ENTERED

DEPARTMENT OF THE ARMY
U.S. ARMY GARRISON WHITE SANDS
100 Headquarters Avenue
WHITE SANDS MISSILE RANGE, NEW MEXICO 88002-5000

DEC 2009

REPLY TO
ATTENTION OF
Directorate of Public Works

December 15, 2009

Mr. James Bearzi
New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303

Subject: Revised Accelerated Corrective Action Completion Report for Remediation of Diesel Contaminated Soil (Multiple Sites) White Sands Missile Range

Dear Mr. Bearzi,

Enclosed for your review is the report submittal titled: *Revised Accelerated Corrective Action Completion Report for Remediation of Diesel Contaminated Soil at Multiple Sites SWMUs 166 amd 199-214 (CCWS Sites 27, 29-32, 34-39, 42, 43 and 53) White Sands Missile Range December 2009.*

The revised report was prepared in response to the New Mexico Environment Department (NMED) Notice of Disapproval dated August 7, 2009 (HWB-WSMR-08-00) and addresses NMED's comments contained in that letter. A 60 day extension of time for the submittal of the revised report was granted by the NMED on a letter dated October 30, 2009 (HWB-WSMR-08-004).

> *"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."*

Copies furnished with enclosure (1 print copy w/CD) to Ms. Lane Andress, NMED-HWB; and, without enclosure to Mr. Dave Cobrain, NMED-HWB; Mr. John Kieling, NMED-HWB; White Sands Technical Services.

Should you have any questions regarding this matter, please contact Mr. Benito Avalos of our Environmental Compliance Branch at (575) 678-2225/1007.

Sincerely,

Thomas A. Ladd

Thomas A. Ladd
Director, Public Work

Enclosure

WSMR Environmental Document ES-EC-TO-045-08-237

REVISED FINAL

REVISED ACCELERATED CORRECTIVE ACTION COMPLETION REPORT FOR REMEDIATION OF DIESEL CONTAMINATED SOIL AT MULTIPLE SITES:

SWMUs 166 and 199-214
(CCWS Sites 27, 29-32, 34-39, 42, 43, and 53)

White Sands Missile Range

December 2009

White Sands Missile Range
Environment and Safety Directorate
White Sands Missile Range, New Mexico 88002
EPA ID# NM 2750211235

WHITE SANDS TECHNICAL SERVICES

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12. DISTRIBUTION AVAILABILITY STATEMENT

13. SUPPLEMENTARY NOTES

14. ABSTRACT

In calendar year 2005-2007, WSMR completed remediation at the following 11 diesel fuel contaminated sites; SE-50, SE-70, ORC Commo, Cowan, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch, Atom and Denver. WSMR completed excavation at the sites with confirmation sample collection indicating no remaining contamination left on site above NMED TPH Screening Levels. Results of the excavations are documented in this ACA report.

15. SUBJECT TERMS

AST, diesel fuel, Cowan, SE-50, SE-70, ORC Commo, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch, Atom, Denver, excavation, remediation, confirmation sample, TPH DRO, VOC, SVOC, disposal, backfill, clean fill, contaminated soil.

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REVISED ACCELERATED CORRECTIVE ACTION COMPLETION REPORT FOR REMEDIATION OF DIESEL CONTAMINATED SOIL AT MULTIPLE SITES: SWMUs 166, and 199-214 (CCWS Sites 27, 29-32, 34-39, 42, 43, and 53), WHITE SANDS MISSILE RANGE

(FACILITY ID # NM2750211235)

Submitted to:

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

December 2009

Submitted by:

White Sands Technical Services, LLC
Building 126
White Sands Missile Range, New Mexico 88002

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EXECUTIVE SUMMARY

In this report, White Sands Missile Range (WSMR) documents compliance activities conducted at locations on WSMR where contamination of soil from leaking above ground storage tanks (AST) was reported to have occurred. Compliance activities including investigation, remediation, documentation and reporting efforts for these sites are completed pursuant to WSMR's Resource Conservation and Recovery Act (RCRA) permit (WSMR Facility ID # NM2750211235) as administered by the New Mexico Environment Department (NMED) Hazardous Waste Bureau (HWB). The remedial actions addressed in this report were planned for and completed under the U.S. Army's Compliance Cleanup (CC) Program.

During a range-wide AST survey conducted in 1997-1999, WSMR personnel noted potential contamination from diesel ASTs at various locations on WSMR. Following the survey, WSMR personnel performed preliminary investigations at 16 locations on the range. At the time of the preliminary investigation conducted in May 2003, it was noted that the ASTs had been removed from all 16 sites. The preliminary investigation determined contamination had occurred to varying degrees at 14 of the 16 sites. Of this number, WSMR determined that 11 of the sites had diesel contamination above the November 2005 NMED Total Petroleum Hydrocarbon (TPH) Screening Guidelines. The remaining sites had contamination well below TPH Screening Guidelines and were determined to not require remediation.

In January 2004, WSMR submitted to the NMED HWB results of the preliminary investigation along with a petition to add these sites to the WSMR permit. Following a technical review of the WSMR report titled *"Addition of New Sites to the WSMR Solid Waste Management Unit/Corrective Action Unit Section of the Hazardous Waste Management Annual Unit Audit Listing" (January 2004)*, the NMED HWB submitted a letter dated 22 November 2004 which requested that WSMR submit a work plan detailing further investigation and remediation of each site. WSMR submitted a Voluntary Corrective Measures (VCM) work plan, drafted to meet the requirements of the NMED HWB in remediating the 11 diesel contaminated sites, to NMED HWB on 17 January 2006. The work plan is titled "*Voluntary Corrective Measures Implementation Work Plan, Diesel Contaminated Soil at 16 Above Ground Storage Tank Sites*."

The actions taken at the diesel contaminated sites were originally planned as VCMs, however, due to changes in regulations (20.4.2.208 NMAC; 8-18-2006), the action was re-named an Accelerated Corrective Action (ACA).

The approach and implementation for the ACA was to complete the following tasks for the 11 diesel contaminated sites:

- contaminated soil removal down to concentrations below the November 2005 NMED TPH Screening Guidelines and NMED Soil Screening Levels for residential exposure,
- confirmation sample collection in the floor and side walls of each excavation to show soil concentrations are below November 2005 NMED TPH Screening Guidelines and NMED Soil Screening Level (SSL) for residential exposure, and
- backfill of each excavation to existing grade with clean soil.

The ACA activities addressed in this report were planned for and conducted under the Army's CC Program. Cleanup activities directed at contamination primarily resulting from recent or current operations are separately funded and managed under the Army CC Program. Sites managed under the CC Program are given CC Identification (CCWS) numbers which are included along with Solid Waste Management Unit (SWMU) numbers for full site identification. Based on fiscal year 2005 funding, WSMR was able to complete remediation at two of the eleven contaminated sites in December 2005. The two sites are SE-50 (SWMU 208; CCWS 34) and SE-70 (SWMU 205; CCWS 31). Additional funding in fiscal year 2006 allowed remediation of the Oscura Range Center (ORC) Commo site (SWMU 203; CCWS 29) during June 2006. Remedial activities at these sites are detailed in the September 2006 report titled "*Voluntary Corrective Measures Report for Remediation of Diesel Contaminated Soil at the SE-50, SE-70, and ORC Commo Sites on White Sands Missile Range*."

Crews completed excavation at the eight remaining sites (Cowan, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch-01, Hardin Ranch-02, and Atom-02) during June-August 2007 with confirmation sample

collection and analysis indicating that no contamination above November 2005 NMED Screening Guidelines was still present at those sites. Results of the remediation activities are documented in this ACA report. Additionally, WSMR continued and completed excavation activities at Denver Site which was not included in the above listed work plan or preliminary investigation. Researchers took previous investigations and remedial actions at Denver Site not previously associated with this project. Excavation originally completed in January 2006 did not completely remove diesel contaminated soil due to potential interference with WSMR Range Road 316. During planning for remediation under this ACA, WSMR decided to complete the contaminated soil removal at Denver Site and resurface the roadway.

WSMR received a Notice of Disapproval (NOD) dated 7 August 2009 on the July 2008 Report titled "*Accelerated Corrective Action Completion Report for Remediation of Diesel Contaminated Soil (Multiple Sites: SWMUs 166 and 199-214)".* WSMR responded to these comments and have published them in this revised report. WSMR's comment response table is included.

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APPENDIX C CONFIRMATION SAMPLE ANALYTICAL RESULTS (on CD only)

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APPENDIX E NMED-WSMR CORRESPONDENCE

APPENDIX F PRELIMINARY INVESTIGATION ANALYTICAL RESULTS (on CD only)

LIST OF ACRONYMS

ACA	Accelerated Corrective Action
AST	Above-Ground Storage Tank
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylene
CCP	Compliance Cleanup Program
CCWS	Compliance Cleanup White Sands
DRO	diesel range organics
ft	feet
HSWA	Hazardous and Solid Waste Amendment
HWB	Hazardous Waste Bureau
HWSF	Hazardous Waste Storage Facility
mg/kg	milligram per kilogram
NMED	New Mexico Environment Department
ORC	Oscura Range Center
RCRA	Resource Conservation and Recovery Act
SSL	soil screening level
SVOC	semi-volatile organic compound
SWMU	Solid Waste Management Unit
TCLP	Toxicity Characteristic Leaching Procedure
TPH	total petroleum hydrocarbon
VCA	Voluntary Corrective Action
VCM	Voluntary Corrective Measure
VOC	volatile organic compound
WSMR	White Sands Missile Range
WSNM	White Sands National Monument

REVISED ACCELERATED CORRECTIVE ACTION COMPLETION REPORT FOR REMEDIATION OF DIESEL CONTAMINATED SOIL AT MULTIPLE SITES: SWMUs 166, and 199-214 (CCWS Sites 27, 29-32, 34-39, 42, 43, and 53), WHITE SANDS MISSILE RANGE (FACILITY ID # NM2750211235)

1.0 INTRODUCTION

In this report, White Sands Missile Range (WSMR) documents compliance activities conducted at locations on WSMR where contamination of soil from leaking above ground storage tanks (AST) was reported to have occurred. Compliance activities including investigation, remediation, documentation and reporting efforts for these sites are completed pursuant to WSMR's Resource Conservation and Recovery Act (RCRA) permit (WSMR Facility ID # NM2750211235) as administered by the New Mexico Environment Department (NMED) Hazardous Waste Bureau (HWB). The remedial actions addressed in this report were planned for and completed under the U.S. Army's Compliance Cleanup (CC) Program. The sites are listed below:

- Hardin Ranch-01 (SWMU 199; CCWS 27) CA
- Hardin Ranch-02 (SWMU 200; CCWS 27) CA
- Ram Site (SWMU 201; CCWS 42) NCA
- Dead Horse Site (SWMU 202; CCWS 43) NCA
- ORC Commo (SWMU 203; CCWS 29) CA
- Harriett Site (SWMU 204; CCWS 30) CA
- SE-70 Site (SWMU 205; CCWS 31) CA
- Atom-01 (SWMU 206; CCWS 32) NCA
- Atom-02 (SWMU 207; CCWS 32) CA
- SE-50 Site (SWMU 208; CCWS 34) CA
- EC-50 Site (SWMU 209; CCWS 35) CA
- Minnow Site (SWMU 210; CCWS 36) NCA
- Cowan Site (SWMU 211; CCWS 37) CA
- NW-70 Site (SWMU 212; CCWS 53) NCA
- Gran Jean Site (SWMU 213; CCWS 38) CA
- NE-50 Site (SWMU 214; CCWS 39) CA
-

CA – Corrective Action required and completed

NCA – No Corrective Action required.

During a range-wide AST survey conducted in 1997-1999, WSMR personnel noted potential contamination from diesel ASTs at various locations on WSMR. Following the survey, WSMR personnel performed preliminary investigations at 16 locations on the range. The scope of the preliminary investigation was to provide an initial site assessment of the extent of diesel related contamination at

each site. WSMR presented the results of this investigation in a letter report titled "*Initial Investigation at Sixteen AST Sites,"* dated 26 November 2003. At the time of the preliminary investigation, conducted in May 2003, personnel noted that ASTs had been removed from all 16 sites. The preliminary investigation determined contamination had occurred to varying degrees at 14 of the 16 sites. WSMR determined that 11 of the contaminated sites had total petroleum hydrocarbons (TPH) concentrations above the November 2005 NMED TPH Screening Guidelines. The remaining sites had contamination well below TPH Screening Guidelines and were determined to not require remediation. Of the original 16 sites, WSMR determined that Ram, Atom 1, Dead Horse, Minnow, and NW-70 sites did not require remediation based on results of the preliminary investigation.

WSMR submitted results of the preliminary investigation along with a petition titled *"Addition of New Sites to the WSMR Solid Waste Management Unit/Corrective Action Unit Section of the Hazardous Waste Management Annual Unit Audit Listing, January 2004,"* to the NMED HWB. Following a technical review of the WSMR petition, NMED HWB submitted a letter dated 22 November 2004 which requested that WSMR submit a work plan detailing further investigation and remediation of each site. Following this reporting, the sites were added as Solid Waste Management Units (SWMU) to WSMR's RCRA permit.

WSMR submitted a Voluntary Corrective Measures (VCM) work plan, titled, "*Voluntary Corrective Measures Implementation Work Plan, Diesel Contaminated Soil at 16 Above Ground Storage Tank Sites,"* (WTS, 2005) to NMED HWB on 17 January 2006. The VCM work plan was intended to meet the requirements of NMED HWB in remediating the 11 diesel contaminated sites that were found to exceed NMED TPH Screening Guidelines.

The actions taken at the diesel contaminated sites were originally planned as VCMs, however, due to changes in NMED's regulations (20.4.2.208 NMAC; 8-18-2006), the plan was re-named an Accelerated Corrective Action (ACA). The ACA activities addressed in this report were planned for and conducted under the Army's CC Program. Cleanup activities directed at contamination primarily resulting from recent or current operations are separately funded and managed under the Army CC Program. Sites managed under the CC Program are given CC Identification (CCWS) numbers which are included along with SWMU numbers for full site identification. Based on fiscal year 2005 funding, WSMR was able to complete remediation at contaminated sites SE-50 (SWMU 208; CCWS 34) and SE-70 (SWMU 205; CCWS 31) in December 2005. Additional funding in fiscal year 2006 allowed remediation of the Oscura Range Center (ORC) Commo site (SWMU 203; CCWS 29) during June 2006. Remedial activities at these sites are detailed in the September 2006 report titled "*Voluntary Corrective Measures Report for Remediation of Diesel Contaminated Soil at the SE-50, SE-70, and ORC Commo Sites on White Sands Missile Range,*" and are included in this report for complete documentation.

Excavation was completed at the eight remaining sites (Cowan, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch-01, Hardin Ranch-02, and Atom-02) during June-August 2007. Confirmation sample collection and analysis indicated no contamination above NMED Screening Guidelines was present at those sites. Results of the remediation activities are documented in this report. Additionally, WSMR continued and completed excavation activities at Denver Site (SWMU 166; CCWS 18) which was not included in the WTS (2005) work plan. Previous investigations and remedial actions were taken at Denver Site and are not previously associated with this project. Excavation originally completed in January 2006 did not completely remove diesel contaminated soil due to potential interference with WSMR Range Road 316. During planning for remediation for this ACA, WSMR decided to complete the contaminated soil removal at Denver site and resurface the roadway. Excavation of Denver Site was completed under this project according to the WTS (2005) work plan. A separate work plan for completion of remediation at Denver Site was not completed.

1.1 Objectives and Scope

The primary objectives of this report are to:

- Document the investigations and corrective actions completed to date at the following sites: Denver, Hardin Ranch-01 and - 02, ORC Commo, Harriett, SE-70, Atom-02, SE-50, EC-50, Cowan, Gran Jean, and NE-50 sites,

- Demonstrate that the ACA has achieved the completion criteria as described in the work plan "*Voluntary Corrective Measures Implementation Work Plan, Diesel Contaminated Soil at 16 Above Ground Storage Tank Sites.*"

WSMR outlined the approach for all field activities at the diesel contaminated sites in the November 2005 "*Voluntary Corrective Measures Implementation Work Plan, Diesel Contaminated Soil at 16 Above Ground Storage Tank Sites.*" The work plan outlines the approach for excavation, disposal of contaminated soils, and collection of confirmation samples. The work plan also describes backfill, following confirmation (by laboratory analysis) that clean-up goals were achieved.

In an effort to decrease costs associated with further characterization of the extent of contamination at each site, WSMR used a proactive approach for contaminated soil removal to concentrations below NMED TPH Screening Guidelines and Soil Screening Levels (November 2005). Field personnel used the Petroflag ® Test Kit to screen samples for hydrocarbons at the edges and base of each excavation prior to collection of confirmation samples in an effort to determine the required extent of excavation. The Petroflag® meter used to run samples has a range up to 2,000 mg/kg using a standard 10 g soil sample. Any concentration above this will register on the meter as "off scale". The method measurement range using the Petroflag ® test kit is from 10 – 10,000 mg/kg. The higher range (> 2,000 mg/kg) can be measured using a dilution (1 g soil sample) and multiplying the meter result by 10. For this project, when a reading of "off scale" was obtained, further Petroflag ® field analysis for a more accurate determination of TPH concentration > 2,000 mg/kg was not warranted. Any determination above NMED TPH Screening Guidelines warranted further excavation until the site was cleaned to below NMED standards.

Following favorable Petroflag ® results (results less than the November 2005 TPH Screening Guidelines) field personnel collected confirmation samples from each excavation (base and sidewalls) for laboratory analysis to verify that contamination above the applicable screening levels were removed. The Petroflag ® screening tool was not used for the SE-50, SE-70, or the ORC Commo excavations due to availability to the field crew.

1.2 Location and Background of White Sands Missile Range

WSMR is a US Army test facility, the majority of which is situated within the Tularosa Basin, with areas along the western and northwestern boundary extending into the Jornada del Muerto Basin. WSMR is located in New Mexico, spanning across Doña Ana, Socorro, Lincoln, Otero, and Sierra counties. The WSMR Main Post area is located at the southwestern corner of the installation, approximately 27 miles east-northeast of Las Cruces, NM and 45 miles north of El Paso, Texas. WSMR headquarters and most installation support activities are located at the Main Post area.

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

1.2.1 Location and Background of the Remediated Sites

The sites are located at various locations across WSMR as shown in figure 1. These sites have served as support installations for WSMR's ongoing military mission. Originally, an AST was located at each site to provide diesel fuel for portable generators. At the time of the May 2003 preliminary investigation, personnel noted that ASTs had been removed from each of the sites. The dates of these removals are not known.

During the 1997-1999 Range-wide AST survey of WSMR, personnel noted that ASTs had leaked diesel fuel. In February 1999, WSMR verbally notified the NMED Ground Water Quality Bureau chief of the releases in accordance with New Mexico Administrative Code, Chapter 6.2, Section 1203 of Title 20.

Following the preliminary investigation, NMED HWB requested WSMR to provide a work plan detailing additional investigation and plans for remedial action. Following submittal of the work plan, WSMR chose to proceed with remediation of the sites under an ACA. WSMR selected this option to expedite clean closure of each site.

The former AST sites have been listed as SWMUs on table 4-1 (SWMU's Requiring Corrective Action) of WSMR's draft Resource Conservation and Recovery Act (RCRA) Permit (NM2750211235) dated 11 June 2007.

2.0 ENVIRONMENTAL SETTING

2.1 Climate

The Tularosa Basin within WSMR is located approximately 4,000 ft above mean sea level and is considered semi-arid. The region's climate is characterized by abundant sunshine throughout the year with relatively low humidity and a mild winter season. The average annual rainfall is approximately 12 inches, with most occurring during late summer storms, accompanied by hail and localized flash flooding during severe events. Snowfall is infrequent and rarely results in a deep or persistent snow cover. During summer months, the temperature ranges from an average high of 93º F to an average low of 65° F. During winter months, the average high is 59° F and the average low is 30° F.

2.2 Geology

The nature of the sedimentary deposits varies both laterally and vertically throughout the Tularosa Basin. Coarse-grained, poorly sorted sediments deposited near mountain fronts grade into fine-grained, well sorted sediments towards the center of the basin (Kelly, 1973). The majority of the sites discussed in this report consist of sediments deposited further from the mountain fronts and generally can contain a greater percentage of clay and gypsum. Site specific lithology is discussed in the following text for each site.

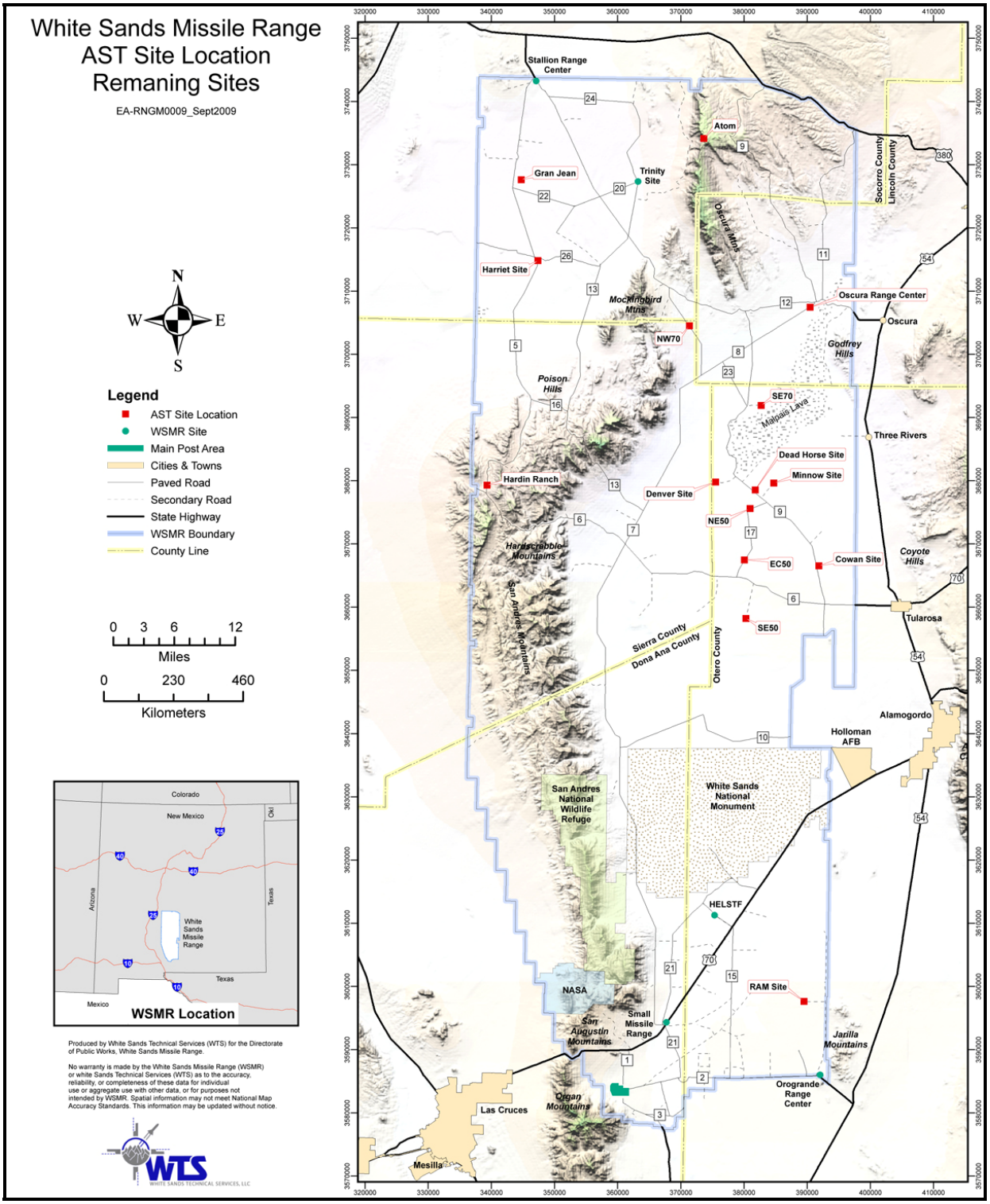

FIGURE 1.
SITE LOCATIONS ON WHITE SANDS MISSILE RANGE

2.3 Hydrology

2.3.1 Surface Water

There is no surface water at the sites, nor any significant features of seasonal surface water runoff. Topsoil conditions are generally favorable for rapid infiltration, and the majority of precipitation can be presumed to infiltrate locally to deeper subsurface layers or be lost to evapotranspiration.

2.3.2 Site Hydrogeological Profile

No monitoring wells or supply wells were located sufficiently close enough to the remediation sites to determine depth to water, with the exception of the Denver site. Based on wells located at the site, depth to ground water is 26 feet below ground surface.

3.0 RESULTS OF CORRECTIVE ACTION

3.1 Denver Site (SWMU 166)

Denver Site was not included in the November 2005 "*Voluntary Corrective Measures Implementation Work Plan, Diesel Contaminated Soil at 16 Above Ground Storage Tank Sites.*" Excavation originally completed in January 2006 did not completely remove diesel contaminated soil due to potential interference with WSMR Range Road 316. During planning for remediation for this ACA, WSMR decided to complete the contaminated soil removal at Denver Site and resurface the roadway if needed. The following sections discuss the previous action taken at Denver Site and the completed soil excavation conducted in July 2007 under this ACA.

3.1.1 Preliminary Investigations/Remediation (WTS, 2006)

During February 1999, several preliminary subsurface hand auger investigations were completed to estimate the horizontal and vertical extent of diesel contamination in the soil at Denver Site. From the hand auger investigations, two plumes of contamination were identified: beneath the former tank location, and beneath the equipment rack where generators were located.

Because the complete extent of contamination beneath the equipment rack was not be defined by the hand auger borings, a hollow stem auger drill rig was used to complete this effort, and to install piezometers and groundwater monitoring wells at the site.

The following tables denote the preliminary investigations results performed at the site. This work is described in more detail in the preliminary report (MEVATEC, 1999). Sample locations are shown in Figure 2.

During February 1999, a total of five hand auger borings were completed at the former tank location to determine the horizontal and vertical extent of diesel contamination. Table 1A shows results from the former tank location at Denver Site.

TABLE 1A. DETECTED DRO RESULTS FROM THE DENVER AST LOCATION. FEBRUARY 1999.

Sample Identification	White Sands Chemistry Laboratory	
	Analytical Results (ppm)	Detection Limit (ppm)
NMED TPH Screening Level	**520**	
Center Borehole		
depth 6"-12"	9,430	5
depth 4.5'-5.0'	14,500	5
depth 9.5'-10.0'	115	5

TABLE 1A. DETECTED DRO RESULTS FROM THE DENVER AST LOCATION. FEBRUARY 1999.		
Sample Identification	**White Sands Chemistry Laboratory**	
	Analytical Results (ppm)	**Detection Limit (ppm)**
depth 14.5'-15.0'	71	5
depth 19.5'-20.0'	38	5
North Borehole	No detection above laboratory detection limits	
South Borehole	No detection above laboratory detection limits	
East Borehole		
East, depth 4.5'-5.0'	7	5
East, depth 9.0'-9.5'	5	5
West Borehole	No detection above laboratory detection limits	

During removal of the product lines, significant diesel contamination was identified in the soil beneath the equipment rack. The contamination was located beneath a 90-degree connection in the product lines, approximately 2-ft bgs. During 18-22 February 1999, a total of ten additional hand auger borings were completed at the equipment rack to determine the horizontal and vertical extent of diesel contamination. Table 1B lists DRO results from samples collected beneath the product line.

TABLE 1B. DETECTED DRO RESULTS FROM BENEATH THE DENVER PRODUCT LINE. FEBRUARY 1999.		
Sample Identification	**White Sands Chemistry Laboratory**	
	Analytical Results (ppm)	**Detection Limit (ppm)**
NMED TPH Screening Level	**520**	
Center Borehole (ER-C)		
ER-C, depth 3.5'-4.0'	5,840	5
ER-C, depth 9.5'-10.0'	44,400	5
ER-C, depth 14.5'-15.0'	7,760	5
ER-C, depth 19.5'-20.0'	12,900	5
ER-C, depth 23.5'-24.0'	9,640	5
West Boreholes (ER-West & ER-W2)		
ER, West, depth 4.5'-5.0'	11	5
ER, West, depth 9.5'-10.0'	7,590	5
ER, West, depth 14.5'-15.0'	4,080	5
ER-W2, depth 6"-12"	7	5
ER-W2, depth 14.5'-15.0'	5	5
East Boreholes (ER-E & ER-E2)		
ER-E, depth 6"-12"	431	5
ER-E, depth 4.5'-5.0'	61	5
ER-E2, depth 10.0'-15.0'	63	5
North Boreholes (ER-N & 316-North1)		
ER-N, depth 1.0'-1.5'	9	5
ER-N, depth 4.5'-5.0'	10	5
ER-N, depth 9.5'-10.0'	5	5
South Boreholes (ER-S, ER-S2, & ER-S3)		
ER-S, depth 6"-12"	1,520	5
ER-S, depth 4.5'-5.0'	2,800	5
ER-S, depth 9.5'-10.0'	153	5
ER-S2, depth 4.5'-5.0'	6	5

TABLE 1B. DETECTED DRO RESULTS FROM BENEATH THE DENVER PRODUCT LINE. FEBRUARY 1999.		
Sample Identification	**White Sands Chemistry Laboratory**	
	Analytical Results (ppm)	**Detection Limit (ppm)**
ER-S2, depth 9.5'-10.0'	1,880	5
ER-S3, depth 9.5'-10.0'	11	5

Using the results of the previous investigations, a hollow-stem auger drill rig was used to further define the horizontal and vertical extent of diesel contamination by completing additional soil borings at the Denver site. Table 1C summarizes DRO detections from the additional soil borings.

TABLE 1C. DETECTED DRO RESULTS, ADDITIONAL SOIL BORINGS (1999).				
Sample Identification	**Trace Analysis Inc.**		**White Sands Chemistry Lab**	
	Analytical Results (mg/kg)	**Detection Limit (mg/kg)**	**Analytical Results (mg/kg)**	**Detection Limit (mg/kg)**
NMED TPH Screening Level	**520**			
Soil Boring 05				
31010-SB-05-(4.5-5.0)	9,500	50	No sample	--
31010-SB-05-(9.5-10.0)	38,000	50	No sample	--
31010-SB-05-(14.5-15.0)	12,000	50	7,490	5
31010-SB-05-(19.5-20.0)	2,100	50	No sample	--
31010-SB-05-(24.5-25.0)	1,000	50	No sample	--
31010-SB-05-(29.5-30.0)	700	50	No sample	--
Soil Boring 06	**No detection above laboratory detection limits**			
Soil Boring 07				
31010-SB-07-(24.5-25.0)	110	50	No sample	--
Soil Boring 08				
31010-SB-08-(29.5-30.0)	840	50	No sample	--
Soil Boring 09				
31010-SB-09-(24.5-25.0)	1,200	50	No sample	--
Soil Boring 10	**No detection above laboratory detection limits**			
Soil Boring 11	**No detection above laboratory detection limits**			
Soil Boring 12	**No detection above laboratory detection limits**			
Soil Boring 13	**No detection above laboratory detection limits**			
Playa Lake	**No detection above laboratory detection limits**			

Following the previously described site investigations, WSMR performed an RFI at the Denver site (Mevatec, 2002). This latest investigation took place from February through April, 2002. It involved advancing a total of ten soil borings in the vicinities of the former diesel AST and the fueling rack, collecting soil samples from the new soil borings. The soil samples were analyzed for VOCs (including MTBE), SVOCs (including naphthalene and phenanthrene), and RCRA metals (including lead). Table 1D (Attachment 1) lists detected results from the RFI sampling event. Sample locations are shown on Figure 2.

Remediation efforts carried out during the January 2006 VCA at Denver Site were based on the *Final Work Plan Voluntary Corrective Action at the Denver Site on White Sands Missile Range* (BAE Systems, 2004). Results of the January 2006 Voluntary Corrective Action (VCA) are detailed in the June 2006 report "*Voluntary Corrective Action Completion Report Former Diesel AST at Denver Site (SWMU 166) White Sands Missile Range Facility ID NM2750211235*" and summarized in this section.

The areas of excavation were delineated based on borehole locations (figure 2) still visible from past investigations and GPS coordinates obtained from a handheld GPS unit. Excavation, disposal, sampling, and backfill took place 16 through 21 January 2006. Once the excavations had reached the initial limits, researchers collected confirmation samples from the walls and floor of each excavation. Results of initial sampling (table 1) analyzed by the WSMR Lab indicated additional excavation along the north side-wall at the former equipment rack/generator location was warranted. Crews removed an additional 2 ft of contaminated soil from the entire face of the north side-wall. Due to the proximity of the road surface and the potential of damage resulting from sloughing in the excavation, WSMR decided to cease excavation at that point, collect an additional confirmation sample from the north side-wall, and begin backfilling the excavation. Based on the findings of prior investigations, researchers assumed the vast majority of the concentrated contamination had been removed.

Approximately 420 cubic yards of contaminated soil was removed during the January 2006 VCA at Denver Site. The excavation at the former location of the AST reached a depth of 10 ft while the excavation at the former equipment rack reached a depth of approximately 21 ft. Contaminated soil was loaded onto 20 cubic yard tractor trailers and transported from the site. Rhino Environmental Services, Inc. transported the contaminated soil to their treatment facility on Highway 54 in Otero County, N M.

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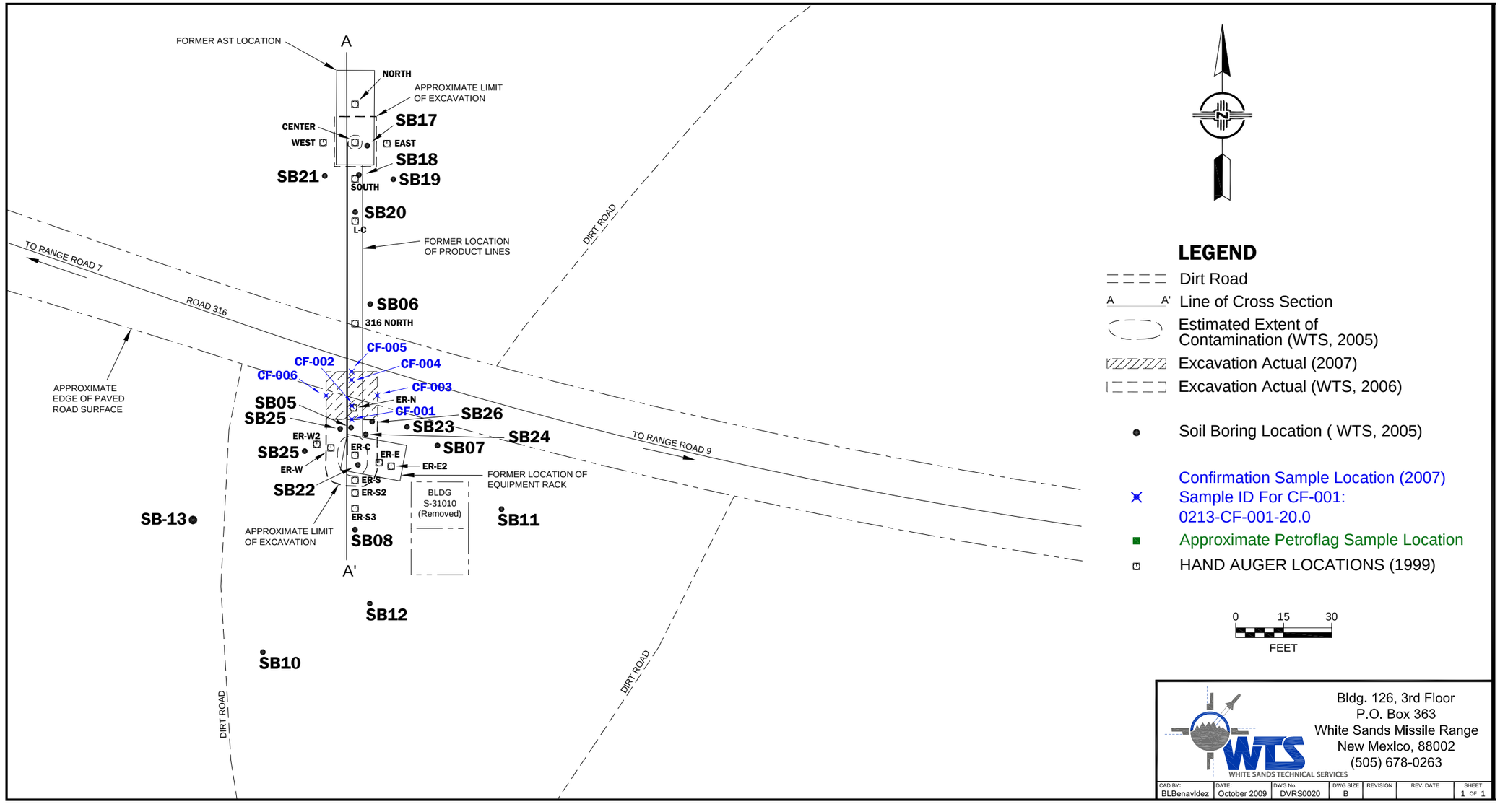

FIGURE 2. PLAN VIEW MAP OF THE DENVER SITE.

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WSMR carried out confirmation sampling at each of the excavation sites on 17 January 2006 (table 1E). No Volatile Organic Compounds (VOCs) or Semi-Volatile Organic Compounds (SVOCs) were detected above November 2005 NMED Residential SSLs. Results of TPH Diesel Range Organics (DRO) analysis confirmed the excavation at the former AST location was complete and no contamination from the diesel fuel was still present. TPH DRO results from the former generator location indicated contamination above NMED TPH Screening Guidelines (8,650 mg/kg) was still present on the north side wall of the excavation. As stated above, WSMR decided at that time to halt the excavation due to the potential for damage to WSMR Range Road 316. The site was backfilled on 21 January 2006.

TABLE 1E. INITIAL CONFIRMATION SAMPLING DENVER SITE

Sample ID	Analyte	Concentration (mg/kg)
SWMU-166-AST-101	TPH-DRO (EPA 418.1)	<10
SWMU-166-AST-102	TPH-DRO (EPA 418.1)	<10
SWMU-166-AST-103	TPH-DRO (EPA 418.1)	<10
SWMU-166-AST-104	TPH-DRO (EPA 418.1)	<10
SWMU-166-AST-105	TPH-DRO (EPA 418.1)	<10
SWMU-166-GEN-101	TPH-DRO (EPA 418.1)	8,650
SWMU-166-GEN-102	TPH-DRO (EPA 418.1)	26
SWMU-166-GEN-103	TPH-DRO (EPA 418.1)	10
SWMU-166-GEN-104	TPH-DRO (EPA 418.1)	<10
SWMU-166-GEN-105	TPH-DRO (EPA 418.1)	<10

3.1.2 Results of Corrective Action Completion

WSMR conducted remediation completion at Denver Site from 6 July 2007 – 12 July 2007. Crews first commenced excavation close to the Range Road 316 roadway. The location of the previous excavation was evident by obvious settling seen at the site from the previous backfill in January 2006. Diesel contaminated soil was evident at this location. The excavation was extended to the north, east and west, following the contamination. The excavation was not extended in the southern direction due to field evidence of clean soil/backfill in that direction. The excavation was extended in the contaminated soil direction until no physical evidence remained of further contamination in that direction. The excavation extended into the roadway approximately 10 ft, requiring destruction of the pavement. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 3.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. The excavation was completed using a backhoe. Additionally, a Petroflag ® Test Kit was used to screen samples at the edges and base of the excavation. Crews ultimately extended the excavation at the former AST at Denver Site to a depth of approximately 20 ft bgs. The sides of the excavation measured approximately 18 ft X 15 ft. Eight test kits were run using the Petroflag ® system (table 2). Results ranged from 0 mg/kg to off scale (>2,000 mg/kg) full range hydrocarbons. Excavation continued in the direction of soil samples having analysis greater than the 520 mg/kg TPH Residential Screening Guideline until results indicated lower concentrations. Excavation was halted following results of the Petroflag analysis indicating the sides and base of the excavation were clean. Personnel completed soil staging, transport, backfill, and grading as described in Sections 3.1.2.1 and 3.1.2.2. Photographs 1-4 show the Denver Site excavation.

TABLE 2. PETROFLAG ® FIELD SCREENING RESULTS FOR DENVER SITE.

Field Sample Location	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Contaminated soil stockpile	>2,000	Not applicable
South side wall at 10 feet bgs	0	No further excavation to south
North side wall at 17 feet bgs	>2,000	Further excavation to north
Base sample near south side	108	No further excavation down
East side wall at 17 feet bgs	382	No further excavation to east
Base sample near north side	0	No further excavation down
North side wall at 15 feet bgs	60	No further excavation to north
West side wall at 15 feet bgs	7	No further excavation to west

PHOTOGRAPH 1.
SURFACE CRACKING AT DENVER SITE INDICATED EXTENT OF THE PREVIOUS JANUARY 2006 EXCAVATION.
The July 2007 excavation began near this point and continued in all directions until no evidence of contamination was discernable. Photograph taken looking west**.**

PHOTOGRAPH 2.
INITIAL STAGES OF EXCAVATION AT DENVER SITE.
Photograph taken looking north.

PHOTOGRAPH 3.
DENVER SITE EXCAVATION NEAR COMPLETION.
Photograph taken looking north-west.

PHOTOGRAPH 4.
TRAFFIC CONTROL MEASURES TAKEN AT DENVER SITE DURING EXCAVATION.
Photograph taken looking east.

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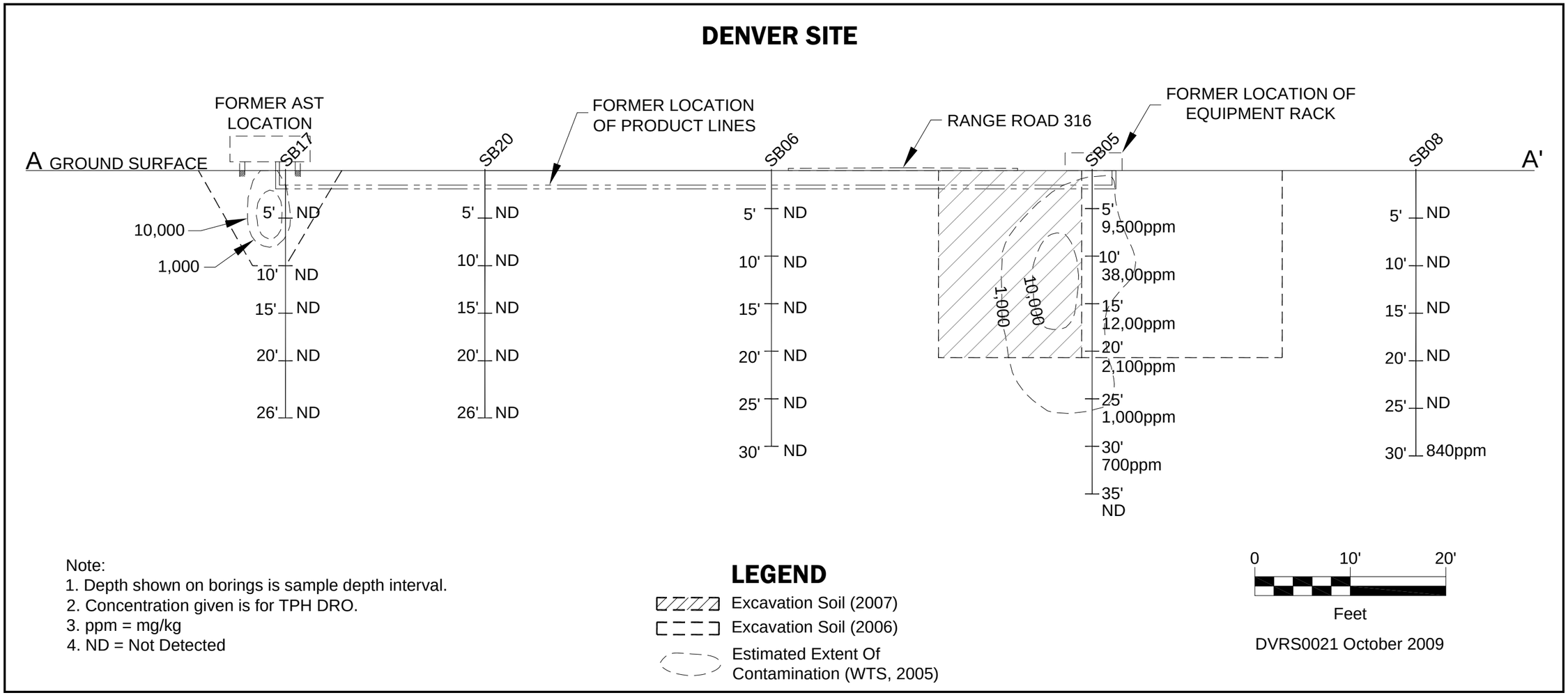

FIGURE 3. APPROXIMATE EXTENT OF EXCAVATION AT DENVER SITE.
The final excavation dimensions were approximately 18 ft X 15 ft X 20 ft.

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3.1.2.1 Soil Staging and Transport

Crews placed excavated contaminated soil directly at a polyethylene sheeting staging area immediately by the excavation (photograph 5). Clean backfill material was staged at a similar unlined location at the site. Transport vehicles (trucks hauling 20-cubic-yard belly-dump trailers) arriving at the site during field work would first drop a load of clean backfill material and then proceed to be loaded with diesel-contaminated material. Covers were then placed over the open trailer tops and the diesel-contaminated soil shipment tracked by use of a non-hazardous waste manifest. Original copies of the waste manifests are on file with WSMR's Environment and Safety Directorate. Photocopies of the waste manifests are included in Appendix A.

3.1.2.2 Backfill and Grading

Crews obtained borrow material from one off-WSMR source selected by the excavation and disposal contractor. The source was sampled for total RCRA metals prior to being accepted by WSMR for use. The analytical results of this test are shown in table 3 with the laboratory report included in appendix B.

Based on the analytical results of these samples, the borrow location (Rhino Environmental Services, Inc. Land Farm) were approved for use for this site. Following confirmation of successful remediation, personnel filled the excavation with the approved backfill material and compacted it using water, heavy equipment packing, roll-over, and a portable compactor. Personnel field tested and laboratory tested the backfilled excavation for density and moisture beneath the roadway to meet project specifications for repavement. Terracon of Las Cruces, NM, completed the testing. Results of testing are included in appendix D. Following compacting, Alamo Earth Work and Paving of Alamogordo, NM, repaved the section of roadway impacted by the excavation. The completed site is shown in photograph 6.

PHOTOGRAPH 5.
SOIL STAGING LOCATION AT DENVER SITE.
Photograph taken looking south-west.

TABLE 3. RESULTS OF TOTAL RCRA METALS ANALYSIS FOR CLEAN BACKFILL				
Analyte	**Method**	**Clean Fill Results mg/kg**	**NMED Soil Screening Level mg/kg**	**Maximum Concentration for TCLP mg/l**
Total Arsenic	6010B	<0.25	3.9	5.0
Total Barium	6010B	35.3	5,450	100.0
Total Cadmium	6010B	<0.25	74.1	1.0
Total Chromium	6010B	5.76	234	5.0
Total Lead	6010B	8.46	400	5.0
Total Selenium	6010B	<0.5	391	1.0
Total Silver	6010B	<0.25	391	5.0
Total Mercury	7471A	< 0.02	23	0.2

PHOTOGRAPH 6.
DENVER SITE AFTER COMPLETION OF BACKFILL AND REPAVING.
Photograph taken looking south-east.

3.1.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from the site, it is reported that 240 cubic yards of contaminated soil was removed from Denver during the July 2007 ACA. This material was taken to a licensed landfarm in Otero County, NM (DP-1051) (Rhino Environmental Services) for further remediation and handling under the requirements and operating procedures of that facility. Combined with the previous excavation conducted in January 2006, at total of 660 cubic yards of contaminated soil was removed from Denver Site.

3.1.4 Verification of Remediation

Prior to excavation backfill, Trace Analysis of Lubbock, Texas, analyzed confirmation soil samples to verify that clean-up objectives were met. The confirmation sidewall sample locations were preferentially selected in locations most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Personnel collected samples directly from the backhoe bucket after directing the operator where to excavate the sample. Personnel then transferred discrete soil samples from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 4. Detected organic compounds are listed in table 5. Additionally, personnel collected an equipment blank using Type II water poured over the sample bowls following decontamination and analyzed for the above listed contaminants. No contaminants of concern were detected that would indicate the sampling equipment would contaminate subsequent samples. Confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding November 2005 NMED Residential Soil Screening Levels. Metals are not expected to be associated with diesel fuel, however, WSMR analyzed for RCRA metals to determine their concentrations at the site. They detected no TPH DRO in any confirmation samples at a reporting limit of 50 mg/kg nor did they detect any VOCs or SVOCs in any confirmation samples from the Denver Site excavation with the exception of bis(2-ethylhexyl)phthalate.

Bis(2-ethylhexyl)phthalate was detected in two samples at a highest concentration of 2.96 mg/kg. These two detections are likely a laboratory artifact and not the result of contamination from the site. The NMED SSL for bis(2-ethylhexyl)phthalate (June 2006) is 347 mg/kg. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at concentrations above regulatory levels.

TABLE 4. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS DENVER SITE

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0166-CF-001-5.0 South side wall sample at 5 ft	<50	<0.250	<2	3.40	<0.200	<0.500	<0.040	<1.00	<2.00
0166-CF-002-20.0 Base sample near south wall at 20 ft	<50	<0.250	<2	227	<0.200	5.36	<0.040	<1.00	<2.00

TABLE 4. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS DENVER SITE

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
0166-CF-003-20.0 East side wall sample at 20 ft	<50	<0.250	<2	29	<0.200	1.97	<0.040	<1.00	<2.00
0166-CF-004-20.0 Base sample near north wall at 20 ft	<50	<0.250	<2	420	0.425	8.40	<0.040	<1.00	<2.00
0166-CF-104-20.0 Duplicate of -004	<50	<0.250	<2	340	0.373	7.67	<0.040	<1.00	<2.00
0166-CF-005-20.0 North side wall sample at 20 ft	<50	<0.250	<2	48.9	0.202	4.77	<0.040	<1.00	<2.00
0166-CF-006-15.0 West side wall sample at 15 ft	<50	<0.250	<2	23.7	<0.200	0.896	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

TABLE 5. LABORATORY ORGANIC DETECTIONS DENVER SITE

Sample ID	Test	Method	Units	Parameter	Result	SSL
0166-CF-002-20.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	0.566	347
0166-CF-001-5.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	2.96	347

3.2 Hardin Ranch (SWMUs 199-200)

3.2.1 Preliminary Investigation (BAE Systems, 2003)

The AST survey performed at Hardin Ranch Site (photograph 7) identified two separate potential environmental release areas associated with two separate ASTs [Hardin-01 (SWMU 199; CCWS 27) and Hardin-02 (SWMU 200; CCWS 27)]. The preliminary investigation at the site identified noticeable odors and the presence of free product in the shallow subsurface. Soils at the site generally appear to be silty clays down to at least 13.5 ft bgs. Approximate depth to ground water at this site is unknown. Hardin Ranch is a former ranch property that is now in the possession of WSMR and is contained within WSMR property. WSMR knows of no wells located in the vicinity of Hardin Ranch. No private wells exist in the area.

PHOTOGRAPH 7.
HARDIN RANCH SITE, PRELIMINARY INVESTIGATION.
Photograph taken looking west.

Analysis of soil samples obtained from direct push borings at the Hardin-01 location detected DRO as high as 71,000 mg/kg (soil boring HRDR-01-SB-01), exceeding the TPH screening guideline for residential direct exposure of 520 mg/kg. Researchers detected toluene, ethylbenzene, xylenes at the site, but none at concentrations exceeding the corresponding residential Soil Screening Level.

Analysis of soil samples at the Hardin-02 release site detected DRO as high as 1,400 mg/kg (soil boring HRDR-02-SB-03), also exceeding the residential screening guideline, but analytical results from borings in this area generally describe a low volume release. Analytical results suggested a significant level of contamination by diesel fuel, with multiple detections of DRO exceeding the NMED TPH residential screening guideline of 520 mg/kg for diesel fuel.

3.2.1.1 Extent of Contamination from the Preliminary Investigation

Hardin Ranch Site has two former AST locations that were underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 4 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. It was originally estimated that approximately 67 cubic yards of contaminated soil was beneath Hardin-01 Site and 56 cubic yards of contaminated soil beneath Hardin-02 Site. Actual excavation dimensions are shown superimposed over the original estimate on figure 4. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 5. Table 6 lists detected anaytes from the preliminary investigation.

TABLE 6. PRELIMINARY INVESTIGATION DETECTED RESULTS HARDIN RANCH SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
HRDR-01-SD-01	HRDR01	surface	5/6/2003	Flash Point (Setaflash)	200	>	degrees F	NE
HRDR-01-SD-01	HRDR01	surface	5/6/2003	Diesel Range Organics (C12-C24)	1000	D	mg/Kg	520
HRDR-01-SD-01	HRDR01	surface	5/6/2003	Oil Range Organics (C24-C40)	2400	D	mg/Kg	2,500
HRDR-01-SB-001-(2.5-3.0)DL	HRDR01-SB01	02.5-3.0	5/26/2003	Diesel Range Organics (C12-C24)	1200	D	mg/Kg	520
HRDR-01-SB-001-(2.5-3.0)	HRDR01-SB01	02.5-3.0	5/26/2003	Bromofluorobenzene	101		µg/Kg	NE
HRDR-01-SB-001-(2.5-3.0)	HRDR01-SB01	02.5-3.0	5/26/2003	Oil Range Organics (C24-C40)	63		mg/Kg	2,500
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Bromofluorobenzene	130		µg/Kg	NE
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	2-Methylnaphthalene	43000	D	µg/Kg	NE
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Acenaphthene	4700	D	µg/Kg	3,440,000
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Fluorene	5600	D	µg/Kg	2,290,000
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Naphthalene	5000	D	µg/Kg	45,000
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Phenanthrene	22000	D	µg/Kg	1,830,000
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Diesel Range Organics (C12-C24)	36000	D	mg/Kg	520
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	2-Methylnaphthalene	38000	E	µg/Kg	NE
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Pyrene	610	JD	µg/Kg	1,720,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Toluene	170	P	µg/Kg	5,570,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Acenaphthene	3700		µg/Kg	3,440,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Ethyl Benzene	2900		µg/Kg	69,600
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Fluoranthene	390		µg/Kg	2,290,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Fluorene	4300		µg/Kg	2,290,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	m,p-Xylene	11000		µg/Kg	1,090,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Naphthalene	4700		µg/Kg	45,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	o-Xylene	6900		µg/Kg	9,550,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Phenanthrene	18000		µg/Kg	1,830,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Pyrene	820		µg/Kg	1,720,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Oil Range Organics (C24-C40)	520		mg/Kg	2,500
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	2-Methylnaphthalene	100000	D	µg/Kg	NE
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Acenaphthene	2900	D	µg/Kg	3,440,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Fluorene	3800	D	µg/Kg	2,290,000

TABLE 6. PRELIMINARY INVESTIGATION DETECTED RESULTS HARDIN RANCH SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Naphthalene	27000	D	µg/Kg	45,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Phenanthrene	27000	D	µg/Kg	1,830,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Diesel Range Organics (C12-C24)	71000	D	mg/Kg	520
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	2-Methylnaphthalene	78000	E	µg/Kg	NE
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Ethylbenzene	3200	E	µg/Kg	69,600
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	m,p-Xylene	6300	E	µg/Kg	1,090,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	o-Xylene	4900	E	µg/Kg	9,550,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Pyrene	390	J	µg/Kg	1,720,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Ethylbenzene	5000		µg/Kg	69,600
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	m,p-Xylene	16000		µg/Kg	1,090,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	o-Xylene	9400		µg/Kg	9,550,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Toluene	510		µg/Kg	5,570,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Acenaphthene	2400		µg/Kg	3,440,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Fluorene	2600		µg/Kg	2,290,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Naphthalene	25000		µg/Kg	45,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Phenanthrene	23000		µg/Kg	1,830,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Toluene	490		µg/Kg	5,570,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Oil Range Organics (C24-C40)	620		mg/Kg	2,500
HRDR-01-SB-001-(13-13.5)DL	HRDR01-SB01	13.0-13.5	5/26/2003	Diesel Range Organics (C12-C24)	1400	D	mg/Kg	520
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	2-Methylnaphthalene	1700		µg/Kg	NE
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	Acenaphthene	120		µg/Kg	3,440,000
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	Bromofluorobenzene	100		µg/Kg	NE
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	Fluorene	130		µg/Kg	2,290,000
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	Naphthalene	190		µg/Kg	45,000
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	Phenanthrene	750		µg/Kg	1,830,000
HRDR-01-SB-003-(3.5-4.0)	HRDR01-SB03	03.5-4.0	5/26/2003	Diesel Range Organics (C12-C24)	94		mg/Kg	520
HRDR-01-SB-003-(7.5-8.0)DL	HRDR01-SB03	07.5-8.0	5/26/2003	Diesel Range Organics (C12-C24)	20000	D	mg/Kg	520
HRDR-01-SB-003-(7.5-8.0)	HRDR01-SB03	07.5-8.0	5/26/2003	Oil Range Organics (C24-C40)	260		mg/Kg	2,500
HRDR-01-SB-003-(11-11.5)DL	HRDR01-SB03	11.0-11.5	5/26/2003	Diesel Range Organics (C12-C24)	16000	D	mg/Kg	520
HRDR-01-SB-003-(11.0-11.5)	HRDR01-SB03	11.0-11.5	5/26/2003	Oil Range Organics (C24-	240		mg/Kg	2,500

TABLE 6. PRELIMINARY INVESTIGATION DETECTED RESULTS HARDIN RANCH SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
				C40)				
HRDR-01-SB-004-(7.5-8.0)	HRDR01-SB04	07.5-8.0	5/26/2003	Oil Range Organics (C24-C40)	73		mg/Kg	2,500
HRDR-02-SB-001-(2.5-3.0)	HRDR02-SB01	02.5-3.0	5/26/2003	Bromofluorobenzene	95		µg/Kg	NE
HRDR-02-SB-001-(2.5-3.0)	HRDR02-SB01	02.5-3.0	5/26/2003	Diesel Range Organics (C12-C24)	40		mg/Kg	520
HRDR-02-SB-001-(2.5-3.0)	HRDR02-SB01	02.5-3.0	5/26/2003	Oil Range Organics (C24-C40)	100		mg/Kg	2,500
HRDR-02-SB-001-(7.5-8.0)	HRDR02-SB01	07.5-8.0	5/26/2003	Bromofluorobenzene	100		µg/Kg	NE
HRDR-02-SB-001-(7.5-8.0)	HRDR02-SB01	07.5-8.0	5/26/2003	Oil Range Organics (C24-C40)	59		mg/Kg	2,500
HRDR-02-SB-001-(10.0-10.5)	HRDR02-SB01	10.0-10.5	5/26/2003	Bromofluorobenzene	94		µg/Kg	NE
HRDR-02-SB-001-(10.0-10.5)	HRDR02-SB01	10.0-10.5	5/26/2003	Diesel Range Organics (C12-C24)	18		mg/Kg	520
HRDR-02-SB-003-(3.5-4.0)DL	HRDR02-SB03	03.5-4.0	5/26/2003	Diesel Range Organics (C12-C24)	850	D	mg/Kg	520
HRDR-02-SB-003-(3.5-4.0)	HRDR02-SB03	03.5-4.0	5/26/2003	Oil Range Organics (C24-C40)	150		mg/Kg	2,500
HRDR-02-SB-003-(7.5-8.0)DL	HRDR02-SB03	07.5-8.0	5/26/2003	Diesel Range Organics (C12-C24)	470	D	mg/Kg	520
HRDR-02-SB-003-(7.5-8.0)	HRDR02-SB03	07.5-8.0	5/26/2003	Oil Range Organics (C24-C40)	80		mg/Kg	2,500
HRDR-02-SB-003-(10-10.5)DL	HRDR02-SB03	10.0-10.5	5/26/2003	Diesel Range Organics (C12-C24)	1400	D	mg/Kg	520
HRDR-02-SB-003-(10.0-10.5)	HRDR02-SB03	10.0-10.5	5/26/2003	Oil Range Organics (C24-C40)	80		mg/Kg	2,500
HRDR-02-SB-004-(2.0-2.5)	HRDR02-SB04	02.0-2.5	5/26/2003	Diesel Range Organics (C12-C24)	37		mg/Kg	520
HRDR-02-SB-104-(2.0-2.5)	HRDR02-SB04	02.0-2.5	5/26/2003	Diesel Range Organics (C12-C24)	140		mg/Kg	520
HRDR-02-SB-104-(2.0-2.5)	HRDR02-SB04	02.0-2.5	5/26/2003	Oil Range Organics (C24-C40)	66		mg/Kg	2,500

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

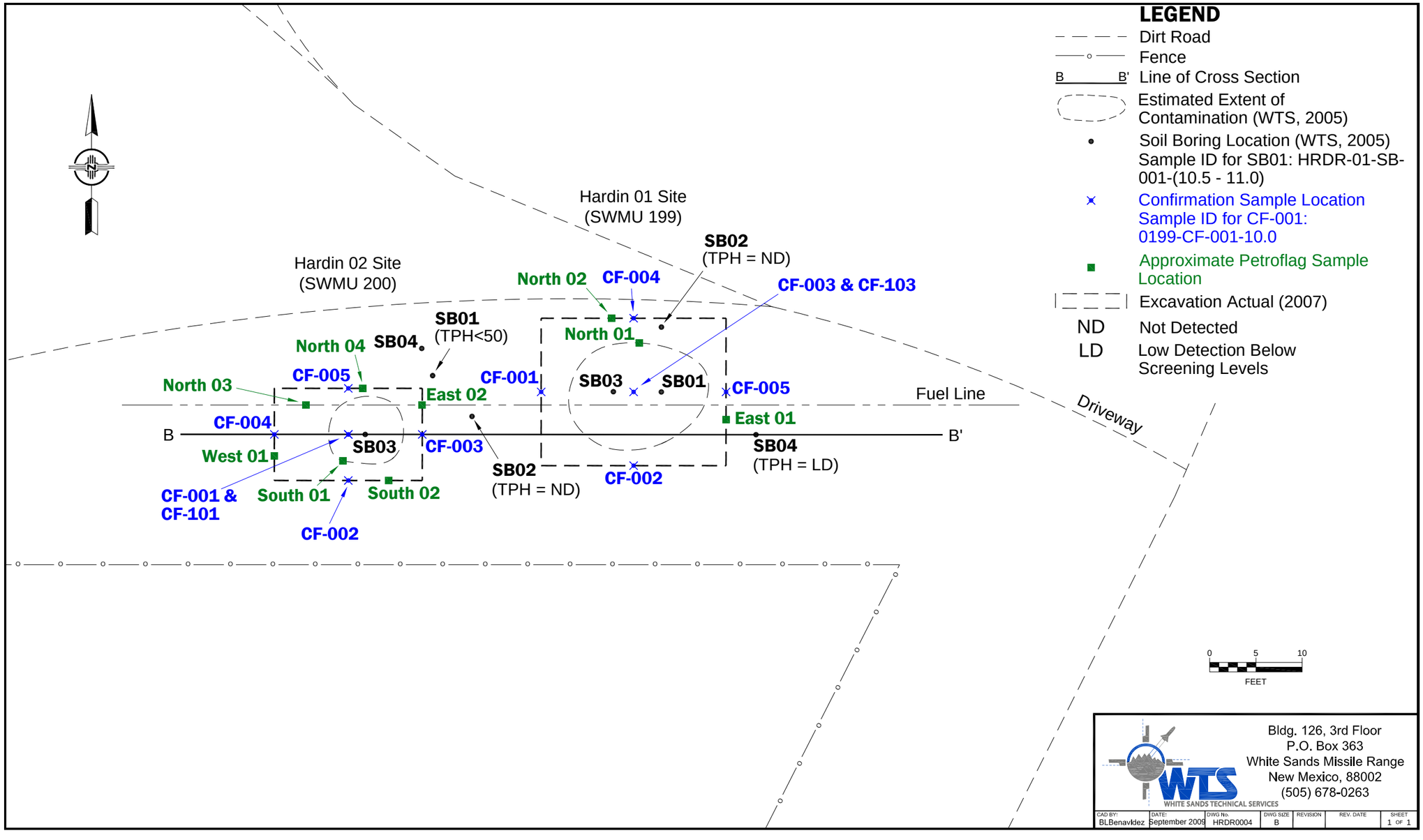

FIGURE 4. PLAN VIEW MAP OF THE HARDIN RANCH SITE.

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3.2.2 Results of Corrective Action (2006-2007 ACA)

WSMR completed remediation at Hardin Ranch from 24 July 2007 – 30 July 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of each excavation, Hardin-01 and Hardin-02 were delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 5.

WSMR completed excavation at Hardin Ranch in two stages (as two separate excavations). Preliminary investigation results indicated that contamination at the two sites was separated by an area of clean soil. Excavation at the site confirmed that the two sites were separate. Excavation at Hardin-01 was started first and excavation proceeded until the furthest extent of contaminated soil in the northern and western direction (in the direction of Hardin-02) was taken out. It was then decided to move to the Hardin-02 location to try and complete excavation there for logistical reasons (complete excavation at Hardin-02 prior to becoming inaccessible due to required continued excavation at the Hardin-01 site to the west and south). Crews completed excavation at the Hardin-02 site on 26 July with Petroflag ® confirmation results indicating clean base and sidewalls. Excavation continued at Hardin-01 until clean side walls were obtained to the south and west. Excavation was completed at Hardin-01 on 26 July 2007.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. Crews completed excavation at each site using a backhoe and used a Petroflag ® Test Kit to screen samples at the edges and base of the excavation (table 7). The excavation at the former AST at Hardin-01 was ultimately extended to a depth of approximately 14 ft bgs. The sides of the excavation measured approximately 20 ft X 16 ft. Three test kits were run using the Petroflag ® system at Hardin-01. Results ranged from 113 mg/kg to 2,453 mg/kg full range hydrocarbons. The 2,453 mg/kg result was obtained using a 1 gram diluted sample in the field. Petroflag® results higher than NMED THP Screening Guidelines initiated further excavation. Photographs 8 and 9 show the Hardin-01 excavation.

TABLE 7. PETROFLAG ® FIELD SCREENING RESULTS FOR HARDIN RANCH SITE.

Field Sample Location (ID)	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Hardin Ranch-01		
North side wall at 10feet bgs (North 01)	2,453	Further excavation to north
East side wall at 11 feet bgs (East 01)	113	No further excavation to east
North side wall at 10feet bgs (North 02)	133	No further excavation to north
Hardin Ranch-02		
South side wall sample at 7 feet (South 01)	2,354	Further excavation to south
South side wall sample at 7 feet (South 02)	203	No further excavation to south
North side wall at 10feet bgs (North 03)	718	Further excavation to north
East side wall at 8 feet bgs (East 02)	96	No further excavation to north
West side wall at 11 feet bgs (West 01)	109	No further excavation to west
North side wall at 10feet bgs (North 04)	143	No further excavation to north

PHOTOGRAPH 8. BEGINNING EXCAVATION AT THE HARDIN-01 SITE.
Photograph taken looking west.

PHOTOGRAPH 9.
NEAR COMPLETION OF EXCAVATION AT HARDIN-01 (FOREGROUND);
CONTINUING EXCAVATION AT HARDIN-02 (BACKGROUND).
Photograph taken looking west.

Crews ultimately extended the excavation at the former AST at Hardin-02 to a depth of approximately 12 ft bgs. The sides of the excavation measured approximately 16 ft X 10 ft and personnel ran six test kits using the Petroflag ® system at Hardin-02. Results ranged from 96 mg/kg to 2,354 mg/kg full range hydrocarbons. Petroflag ® results higher than NMED THP Screening Guidelines initiated further excavation. Photographs 10 and 11 show the Hardin-02 excavation.

PHOTOGRAPH 10. BEGINNING EXCAVATION AT HARDIN-02 SITE; HARDIN-01 EXCAVATION SHOWN TO LEFT IN PHOTOGRAPH.
Photograph taken looking south.

PHOTOGRAPH 11.
NEAR COMPLETION OF EXCAVATION AT HARDIN-02 SITE.
Photograph taken looking west.

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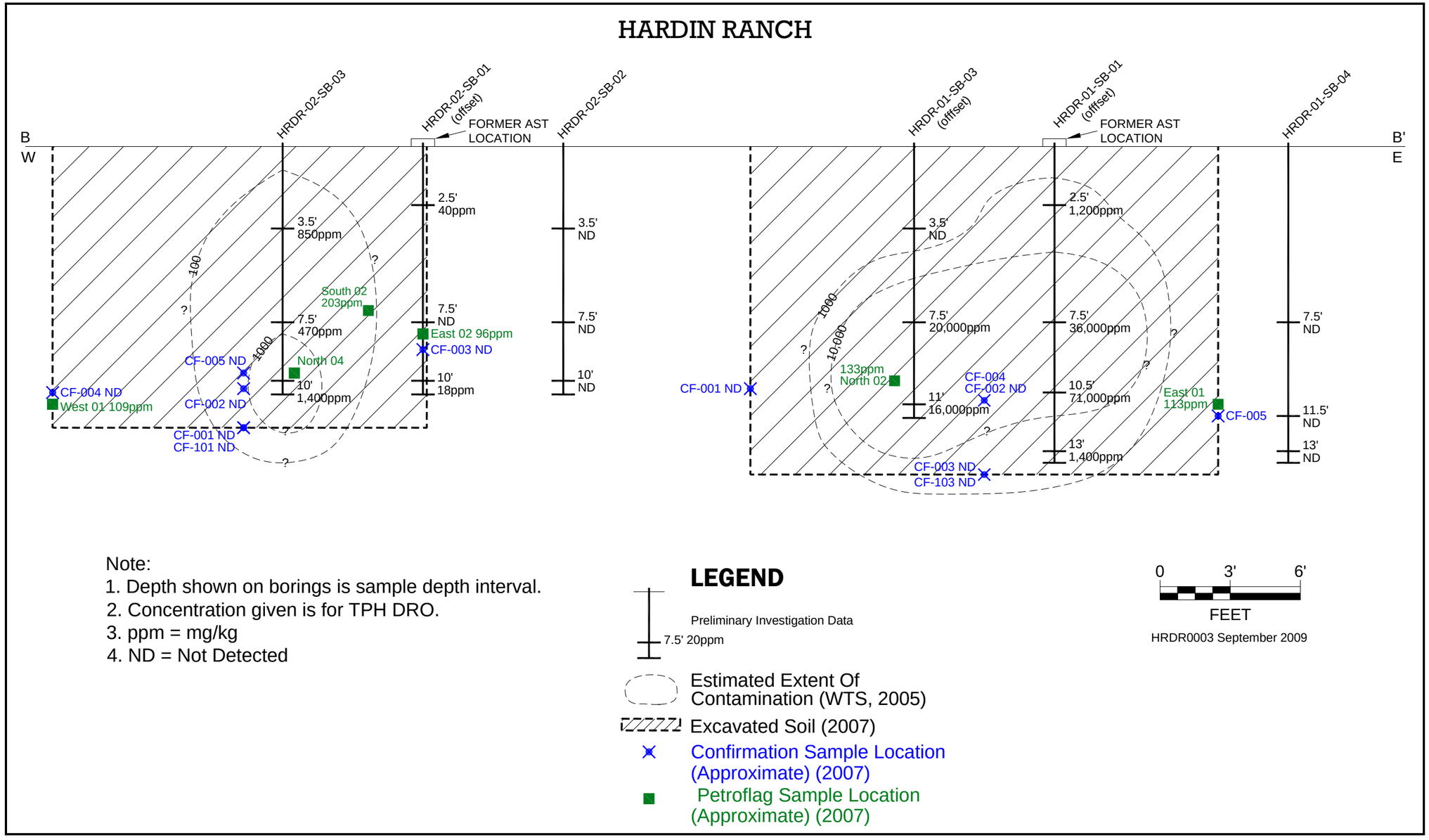

FIGURE 5. APPROXIMATE EXTENT OF EXCAVATIONS AT HARDIN RANCH.
The final excavation dimensions were approximately 20 ft X 16 ft X 14 ft at Hardin-01 and 16 ft X 10 ft X 12 ft at Hardin-02. Dashed line in figure denotes estimated extent of contamination from the work plan.

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3.2.2.1 Soil Staging and Transport

Personnel placed excavated contaminated soil directly at a polyethylene sheeting staging area immediately by the excavation (photograph 12). Clean backfill material was stockpiled at a similar unlined location at the site. Transport vehicles (trucks hauling 20-cubic yard belly-dump trailers) arriving at the site during field work would first drop a load of clean backfill material and then proceed to be loaded with diesel-contaminated material. Covers were then placed over the open trailer tops and the diesel-contaminated soil shipment tracked by use of a non-hazardous waste manifest. Original copies of the waste manifests used are on file with WSMR's Environmental Compliance. Photocopies of the waste manifests are included in appendix A.

PHOTOGRAPH 12. SOIL STAGING LOCATION AT HARDIN RANCH.
Photograph taken looking west.

3.2.2.2 Backfill and Grading

Borrow material was obtained from one off-WSMR source selected by the excavation and disposal contractor. The source was sampled for total RCRA metals prior to being accepted by WSMR for use. The analytical results of this test are shown in table 3 with the laboratory report included in appendix B.

Based on the analytical results of these samples, the borrow location Rhino Environmental Services, Inc. Land Farm, located in Otero County, NM (DP-1051) was approved for Hardin site. Following confirmation of successful remediation, crews filled the excavation with the approved backfill material and compacted it using heavy equipment packing and roll-over, with the final completion status shown in photograph 13.

PHOTOGRAPH 13. HARDIN RANCH SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking west.

3.2.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from each site, it is reported that WSMR removed a total of 220 cubic yards of contaminated soil from Hardin Ranch-01 and Hardin Ranch-02. Approximately 120 cubic yards was estimated for removal based on the preliminary investigation. This material was taken to Rhino Environmental Services, Inc. Land Farm (DP-1051) for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 1,000 mg/kg and was non-ignitable.

3.2.4 Verification of Remediation

To verify that clean-up objectives were met, an analytical laboratory (Trace Analysis of Lubbock. Texas) analyzed confirmation soil samples prior to excavation backfill. As stipulated in the work plan, samples were collected from the bottom of each excavation, from each sidewall, and one duplicate sample per excavation. Sidewall samples were taken preferentially, selecting the location most likely to contain residual diesel contamination in any sidewall, based on observation during excavation. Personnel collected confirmation samples directly from the backhoe bucket after directing the operator where to dig the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH diesel range organics (DRO), and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table8. Additionally, an equipment blank was collected using Type II water poured over the sample bowls following decontamination. Researchers detected no contaminants of concern that would indicate the sampling equipment would contaminate subsequent samples. All confirmation sample laboratory results are included in appendix C.

With the exception of arsenic, results of chemical analysis of confirmation samples indicate no contaminants were detected that exceed NMED Residential Soil Screening Levels. At Hardin-02, arsenic was detected in two samples above the NMED SSL of 3.9 mg/kg. The highest concentration of arsenic at Hardin-02 is 4.83 mg/kg.

At Hardin-01, researchers detected arsenic in one sample that was above the NMED Residential SSL of 3.9 mg/kg. The exceeding arsenic detection was reported as 17.8 mg/kg. However, these detections were from samples collected at the 10 ft depth, which are well below the residential exposure scenario depth of 0-2 ft bgs and is therefore of no concern. Residential exposure to soil, as described by NMED, is expected to occur during home maintenance activities, yard work and landscaping, and outdoor play activities. Contaminant intake is assumed to occur via three exposure pathways – direct ingestion, dermal absorption, and inhalation of volatiles and fugitive dusts. A depth of zero to two feet bgs is listed by NMED as the approximate depth of potential exposure to residential receptors. A pathway does not exist at this site for residential exposure to arsenic. NMED describes construction worker exposure as exposures to surface and subsurface soils (at depths of zero to 10 feet below ground surface) during excavation, maintenance and building construction projects (intrusive operations). A construction worker is assumed to be exposed to contaminants via the following pathways: incidental soil ingestion, dermal contact with soil, and inhalation of contaminated outdoor air (volatile and particulate emissions). The 17.8 mg/kg detection (10 feet bgs) was above the NMED SSL for construction worker of 17.7 mg/kg. Based on four arsenic confirmation samples, collected at 10 feet bgs at the Hardin Ranch site, the mean concentration for this interval is 7.14 mg/kg. The mean concentration is below the NMED construction worker SSL.

For the forseeable future, the construction worker exposure pathway is not complete. No future activities are planned for this location, located on WSMR, that would lead to excavation and potential exposure to construction workers at the site.

The DAF20 for arsenic is 58.3 mg/kg which is well above the highest detection of 17.8 mg/kg of arsenic on-site. Based on this factor, is not expected that the concentration of arsenic is high enough to leach to ground water.

The presence of arsenic in soil across the site at concentrations above background can not be fully explained. WSMR asserts that there are no known anthropogenic sources for arsenic on White Sand Missile Range. Arsenic was not managed as a waste and no arsenic-containing materials are known to have been used at this site. The observed arsenic is likely naturally-occurring.

TPH DRO was not detected in the Hardin-01 and Hardin-02 confirmation samples at a reporting limit of 50 mg/kg. No VOCs or SVOCs were detected in any confirmation samples from the Hardin Ranch excavations. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at levels above human health concern.

TABLE 8. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS HARDIN RANCH SITE

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
Hardin Ranch-01									
0199-CF-001-10.0 West side wall sample at 10 ft	<50	<0.250	2.47	125	1.39	19.4	<0.040	<1.00	<2.00
0199-CF-002-10.0 South side wall sample at 10 ft	<50	<0.250	17.8	140	1.57	19.2	<0.040	<1.00	<2.00
0199-CF-003-14.0 Base sample at 14 ft	<50	<0.250	3.25	124	1.45	21.9	<0.040	<1.00	<2.00
0199-CF-103-14.0 Duplicate of -003 sample	<50	<0.250	2.98	139	1.50	21.8	<0.040	<1.00	<2.00
0199-CF-004-10.0 North side wall sample at 10 ft	<50	<0.250	3.44	156	1.48	21.5	<0.040	<1.00	<2.00
0199-CF-005-11.0 East side wall sample at 11 ft	<50	<0.250	3.27	178	1.44	20.6	<0.040	<1.00	<2.00

TABLE 8. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS HARDIN RANCH SITE

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Hardin Ranch-02									
0200-CF-001-12.0 Base sample at 12 ft	<50	<0.250	4.02	133	1.54	22.1	<0.040	<1.00	<2.00
0200-CF-101-12.0 Duplicate of -001 sample	<50	<0.250	3.32	128	1.39	19.9	<0.040	<1.00	<2.00
0200-CF-002-11.0 South side wall sample at 11 ft	<50	<0.250	3.42	144	1.65	22.6	<0.040	<1.00	<2.00
0200-CF-003-8.0 East side wall sample at 8 ft	<50	<0.250	3.49	140	1.46	20.7	<0.040	<1.00	<2.00
0200-CF-004-11.0 West side wall sample at 11 ft	<50	<0.250	3.88	136	1.40	20.1	<0.040	<1.00	<2.00
0200-CF-005-10.0 North side wall sample at 10 ft	<50	<0.250	4.83	176	1.47	18.9	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

3.3 ORC Commo (SWMU 203)

3.3.1 Preliminary Investigation (BAE Systems, 2003)

The Range-wide AST survey identified a surface stain beneath the location of a former AST at Oscura Commo Site (SWMU 203; CCWS 29). A stained area of gravel with clay was located during the preliminary investigation (photograph 14). Based on examination of cores from the preliminary investigation, soils at Oscura Commo Site appear to generally be clays with some minor silt and sand down to 16 ft bgs. Approximate depth to ground water at this site is unknown.

PHOTOGRAPH 14.
OSCURA COMMO SITE.
Photograph taken looking south.

Four soil borings were made at this site using a direct push geoprobe. Concentrations of DRO were quantified at 1,400 mg/kg in samples taken from 8 ft bgs in the first boring (soil boring ORC-SB-01), presumed to be made at the point of origin of the release. This concentration exceeded the 520 mg/kg NMED residential TPH screening guideline for diesel fuel. Personnel detected no DRO above reporting limits of 12 mg/kg at greater depth in the initial soil boring.

Extent of Contamination from the Preliminary Investigation

ORC Commo Site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 6 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. The full extent of contamination was not determined during the preliminary investigation. Further site characterization through soil sampling (with the exception of confirmation samples) was not completed. The determination of furthest extent of contamination and remediation was accomplished through excavation and soil removal (Section 3.3.2). It was originally estimated that approximately 30 cubic yards of contaminated soil was beneath the ORC Commo site. Actual excavation dimensions are shown superimposed over the original estimate on figure 6. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 7. Table 9 lists detected analytes from the preliminary investigation.

TABLE 9. PRELIMINARY INVESTIGATION DETECTED RESULTS ORC COMMO SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
OSRC-02-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	NE
OSRC-02-SD-01DL	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	1200	D	mg/Kg	520
OSRC-02-SB-001-(1.5-2.0)	SB01	01.5-2.0	5/24/2003	Diesel Range Organics (C12-C24)	170		mg/Kg	520
OSRC-02-SB-001-(1.5-2.0)	SB01	01.5-2.0	5/24/2003	Bromofluorobenzene	102		µg/Kg	NE
OSRC-02-SB-001-(8.0-8.5)DL	SB01	08.0-8.5	5/24/2003	Diesel Range Organics (C12-C24)	1400	D	mg/Kg	520
OSRC-02-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/24/2003	Oil Range Organics (C24-C40)	460		mg/Kg	2,500
OSRC-02-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/24/2003	Bromofluorobenzene	98		µg/Kg	NE
OSRC-02-SB-001-(11.5-12.0)	SB01	11.5-12.0	5/24/2003	Bromofluorobenzene	102		µg/Kg	NE
OSRC-02-SB-001-(15.5-16)	SB01	15.5-16.0	5/24/2003	Bromofluorobenzene	100		µg/Kg	NE
OSRC-02-SB-002-(4.0-4.5)	SB02	04.0-4.5	5/24/2003	Oil Range Organics (C24-C40)	61		mg/Kg	2,500
OSRC-02-SB-003-(1.0-1.5)	SB03	01.0-1.5	5/24/2003	Diesel Range Organics (C12-C24)	25		mg/Kg	520
OSRC-02-SB-003-(5.0-5.5)	SB03	05.0-5.5	5/24/2003	Diesel Range Organics (C12-C24)	14		mg/Kg	520

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

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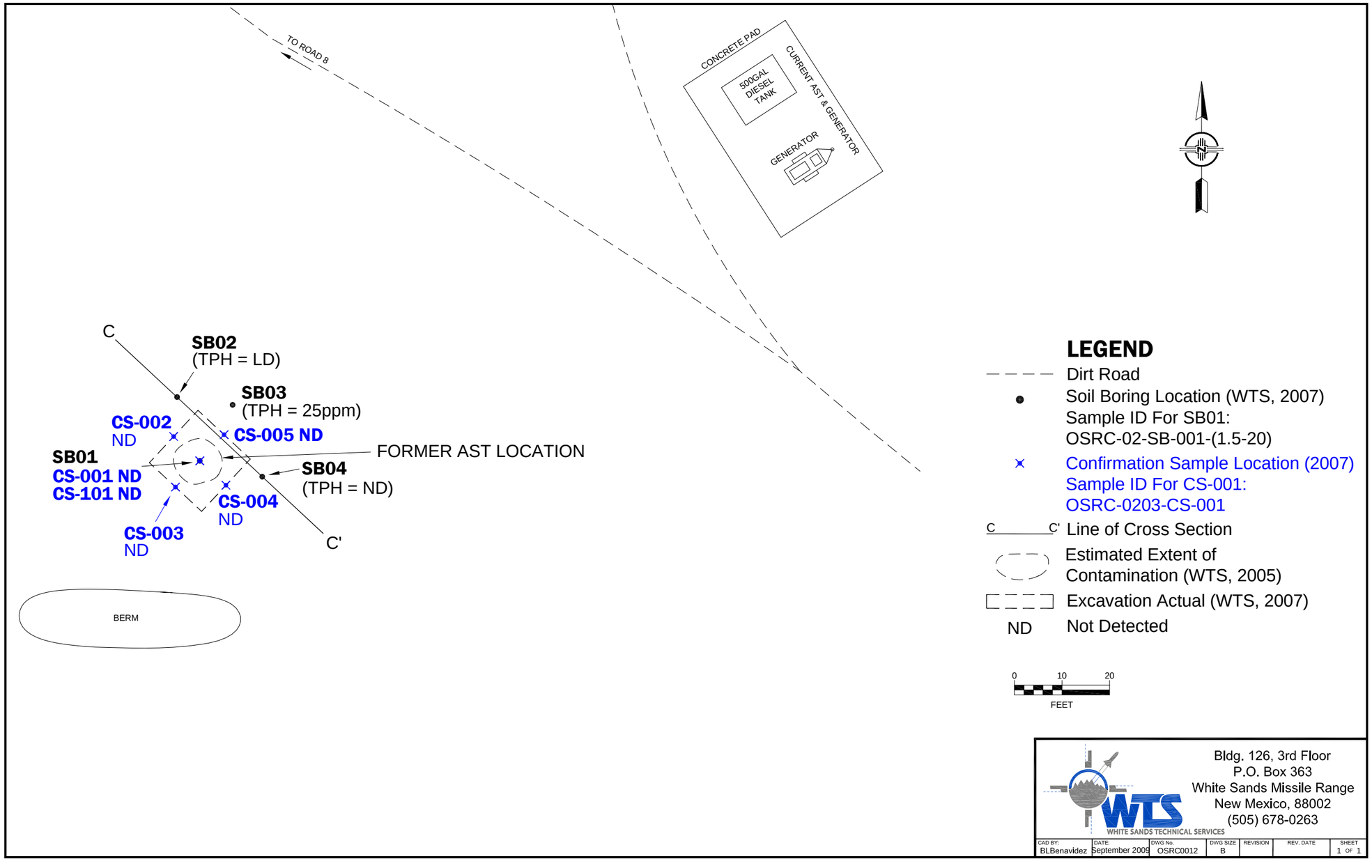

FIGURE 6. PLAN VIEW MAP OF THE ORC COMMO SITE.

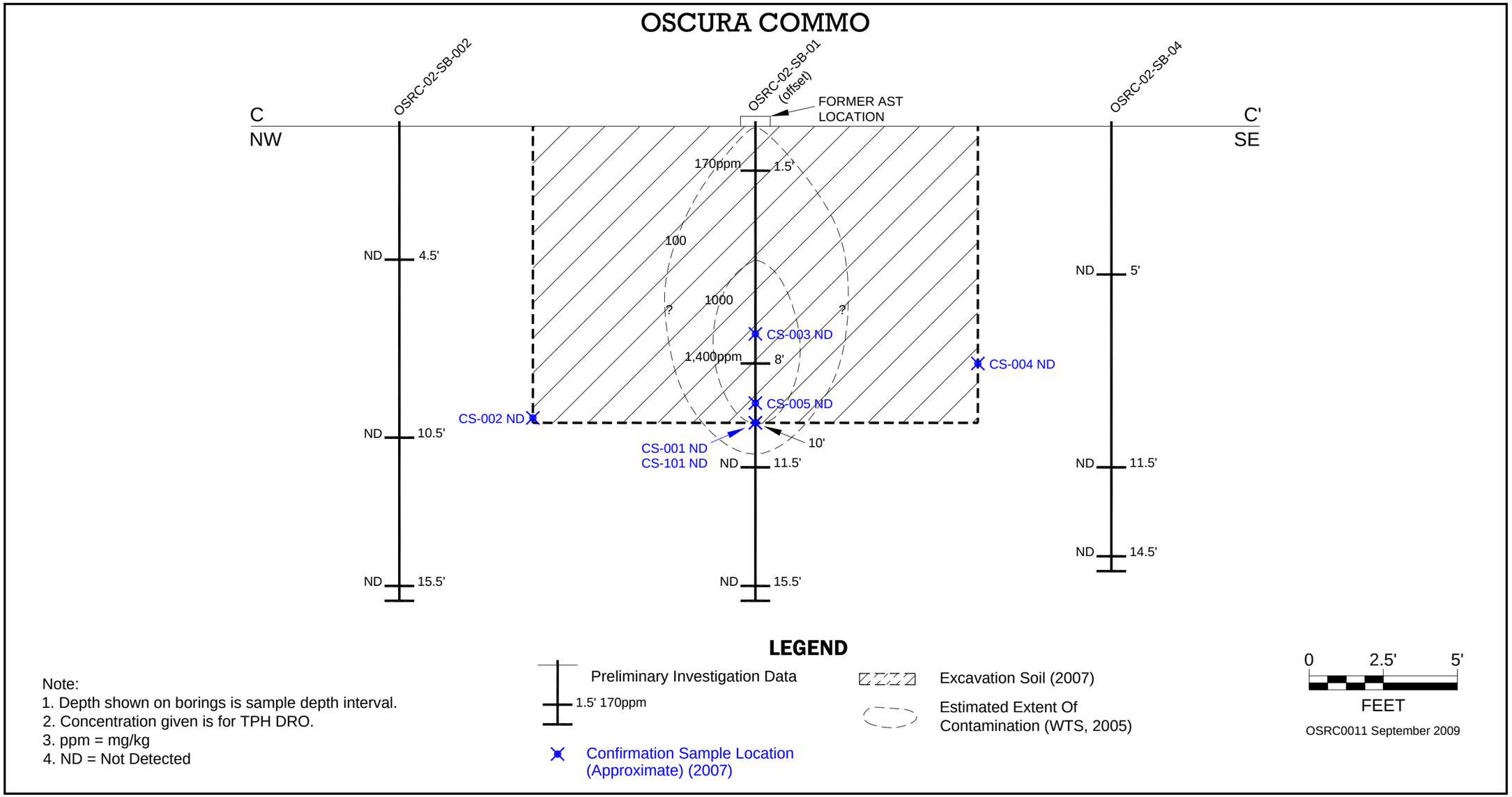

FIGURE 7. APPROXIMATE EXTENT OF EXCAVATIONS AT ORC COMMO SITE.
The final excavation dimensions were approximately 15 ft X 15 ft X 10 ft.
Dashed line in figure denotes estimated extent of contamination from the work plan.

3.3.2 Results of Corrective Action

WSMR completed remediation at the ORC Commo Site from 19-28 June 2006. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation were delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. Petroflag ® analysis was not run on samples from this site. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 7.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation was extended accordingly. The excavation at the former AST at ORC Commo was ultimately extended to a depth of approximately 10 ft bgs. The sides of the excavation measured 15 ft X 15 ft. Photograph 15 shows the ORC Commo excavation.

Personnel completed soil transport, backfill, and grading as described in sections 3.2.2.1 and 3.2.2.2. Soil was not staged at ORC Commo. Soil was excavated and placed directly into the dump trucks for transport. Photograph 16 shows the ORC Commo completion after backfill.

PHOTOGRAPH 15. EXCAVATION AT ORC COMMO SITE.
Photograph taken looking west.

PHOTOGRAPH 16. ORC COMMO SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking south.

3.3.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from the ORC Commo site, it is reported that 80 cubic yards of contaminated soil was removed. Crews took this material to DP-1051 for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 177 mg/kg and was non-ignitable.

3.3.4 Verification of Remediation

To verify that clean-up objectives were met, an analytical laboratory (Trace Analysis of Lubbock. Texas) analyzed confirmation soil samples prior to excavation backfill. As stipulated in the work plan, personnel collected samples from the bottom of the excavation and one from each sidewall. They took one duplicate sample per excavation. Samples were collected from sidewalls preferentially, selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to take the sample. Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 10. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. TPH DRO was not detected above the laboratory reporting limit of 50 mg/kg in any of the samples. No VOCs or SVOCs were detected in any confirmation samples from the ORC Commo excavation. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at levels above regulatory concern.

TABLE 10. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS ORC COMMO SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
OSRC-0203-CS-001 Base sample	<50	0.734	<1.00	47.6	0.910	9.12	<0.040	4.94	<1.00
OSRC-0203-CS-101 Duplicate of Base sample	<50	0.782	<1.00	44.6	0.944	9.05	<0.040	5.11	<1.00
OSRC-0203-CS-002 Northwest side wall sample at 10 ft	<50	0.324	<1.00	168	2.05	20.3	<0.040	15.6	<1.00
OSRC-0203-CS-003 Southwest side wall sample at 7 ft	<50	0.322	<1.00	196	2.04	19.6	<0.040	15.9	<1.00
OSRC-0203-CS-004 Southeast side wall sample at 8 ft	<50	0.351	<1.00	162	2.04	20.3	<0.040	15.4	<1.00
OSRC-0203-CS-005 Northeast side wall sample at 10 ft	<50	0.343	<1.00	176	2.29	22.7	<0.040	17.9	<1.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

3.4 Harriett Site (SWMU 204)

3.4.1 Preliminary Investigation (BAE Systems, 2003)

The AST survey identified surface stains beneath the location of a former AST at the Harriett site (SWMU 204; CCWS 30). This stain was located during the preliminary investigation (photograph 17). Based on examination of cores from the direct push probe, soils at Harriett site appear to generally consist of fine-to-medium-grained sands with clay from the surface down to 4 ft bgs. From 4 to 12 ft bgs, fine- to medium-grained quartz sands were encountered. Beyond 12 ft bgs, researchers encountered clayey-very-fine-to-fine-grained-gypsiferous sands with possible caliche down to 16 ft bgs. An estimated depth to water at this site is greater than 150 ft bgs based on the Murray Test Well located approximately eight miles to the east and the SRM wells located approximately 20 miles to the north at Stallion Range Center.

PHOTOGRAPH 17.
STAINED SOILS AT SITE OF FORMER AST, HARRIETT SITE.

Crews initially made four soil borings at this site using the direct push geoprobe, and made an additional three a week later during additional investigation. Concentrations of DRO were quantified as high as 3,400 mg/kg in samples taken from the first boring which were presumed to be made at the point of origin of the release (soil boring HRRT-SB-01). Samples taken from this borehole all had detectable levels of DRO, but only trace levels (13 mg/kg) were detected in a sample taken at 15.5 ft bgs. DRO was quantified at 2,300 mg/kg at 7.5 ft bgs in a boring made approximately 5 ft northwest and downhill of the initial boring (soil boring HRRT-SB-03). No DRO was detected above reporting limits in samples taken from a boring made approximately 9 ft north and downhill from that boring (soil boring HRRT-SB-02). Trace levels (11 mg/kg) of DRO were also detected at 7.5 and 11.5 ft bgs in a boring (HRRT-SB-06) made 8 ft east of the initial boring.

Extent of Contamination from the Preliminary Investigation

Harriett Site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 8 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the original estimated horizontal extent of contamination. It was originally estimated that approximately 110 cubic yards of contaminated soil was beneath Harriett Site. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 9. Detected analytes from the preliminary investigation are listed in Table 11.

3.4.2 Results of Corrective Action

Personnel completed remediation at the Harriett Site from 19 July 2007 – 31 July 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation was delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, personnel extended excavation in the appropriate direction until no physical evidence remained of further contamination in that direction. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 9. Excavation at Harriett Site was completed in two stages. From 19 July through 23 July, excavation proceeded in the north, east, and west directions from the center point of the spill until clean soil was obtained. Excavation proceeded to the south until the excavation neared a marked fiber optic line. It was determined at this time to halt excavation until either confirmation samples showed no further excavation was needed or if needed, personnel from WSMR's communications directorate could supervise. The first confirmation samples (discussed in section 3.4.4) indicated further excavation to the south was warranted. Excavation was completed on 31 July 2007 under supervision to ensure the fiber optic cable was not damaged. Excavation to the south continued until clean soil was reached with verification from an additional confirmation sample.

Site personnel conducted physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. Excavation at the site was completed using a backhoe. Additionally, a Petroflag ® Test Kit was used to screen samples at the edges and base of the excavation. Personnel ultimately extended excavation at the former AST at Harriett to a depth of approximately 14.5 ft bgs. The sides of the excavation measured approximately 8 ft X 15 ft. Six test kits were run using the Petroflag ® system (table 12). Results ranged from 59 mg/kg to 2,190 mg/kg full range hydrocarbons. PetroFlag ® results greater than 520 mg/kg (TPH Screening Level) elicited further excavation. Personnel completed soil staging, transport, backfill, and grading as described in sections 3.2.2.1 and 3.2.2.2. Photographs 18-21 show the Harriett excavation.

TABLE 11. PRELIMINARY INVESTIGATION DETECTED RESULTS HARRIETT SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
HRRT-01-SD-01	NA	surface	5/6/2003	Flash Point (Setaflash)	200	>	degrees F	69,600
HRRT-01-SD-01DL	NA	surface	5/6/2003	Diesel Range Organics (C12-C24)	230	D	mg/Kg	520
HRRT-01-SB-001-(3.5-4.0)	SB01	03.5-4.0	5/27/2003	Diesel Range Organics (C12-C24)	180		mg/Kg	520
HRRT-01-SB-101-(3.5-4.0)	SB01	03.5-4.0	5/27/2003	Diesel Range Organics (C12-C24)	210		mg/Kg	520
HRRT-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Diesel Range Organics (C12-C24)	3400	D	mg/Kg	520
HRRT-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Chrysene	20	J	µg/Kg	48,100
HRRT-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Oil Range Organics (C24-C40)	100		mg/Kg	2,500
HRRT-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Pyrene	84		µg/Kg	1,720,000
HRRT-01-SB-001-(12-12.5)DL	SB01	12.0-12.5	5/27/2003	Diesel Range Organics (C12-C24)	1100	D	mg/Kg	520
HRRT-01-SB-001-(15.5-16.0)	SB01	15.5-16.0	5/27/2003	Diesel Range Organics (C12-C24)	13		mg/Kg	520
HRRT-01-SB-003-(7.5-8.0)DL	SB03	07.5-8.0	5/27/2003	Diesel Range Organics (C12-C24)	2300	D	mg/Kg	520
HRRT-01-SB-003-(14.5-15.0)	SB03	14.5-15.0	5/27/2003	Diesel Range Organics (C12-C24)	17		mg/Kg	520
HRRT-01-SB-004-(11.5-12.0)	SB04	11.5-12.0	5/27/2003	Diesel Range Organics (C12-C24)	54		mg/Kg	520
HRRT-01-SB-004-(14.5-15.0)	SB04	14.5-15.0	5/27/2003	Diesel Range Organics (C12-C24)	44		mg/Kg	520
HRRT-01-SB-006 (7.5-8.0)	SB06	07.5-8.0	5/29/2003	Diesel Range Organics (C12-C24)	11		mg/Kg	520
HRRT-01-SB-006 (11.5-12.0)	SB06	11.5-12.0	5/29/2003	Diesel Range Organics (C12-C24)	11		mg/Kg	520

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

TABLE 12. PETROFLAG ® FIELD SCREENING RESULTS FOR HARRIETT SITE.

Field Sample Location (ID)	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Southeast side wall at 11 feet bgs (SE01)	59	No further excavation to southeast
Base sample center at 10 feet (Base01)	211	Field crew decided to excavate further
Northeast side wall at 8 feet bgs (NE01)	59	No further excavation to northeast
Base sample center at14.5 feet (Base02)	98	No further excavation down
Northwest side wall at 13 feet (NW01)	79	No further excavation to northwest
Southwest side wall at 10feet bgs (SW01)	2,190	Further excavation to southwest

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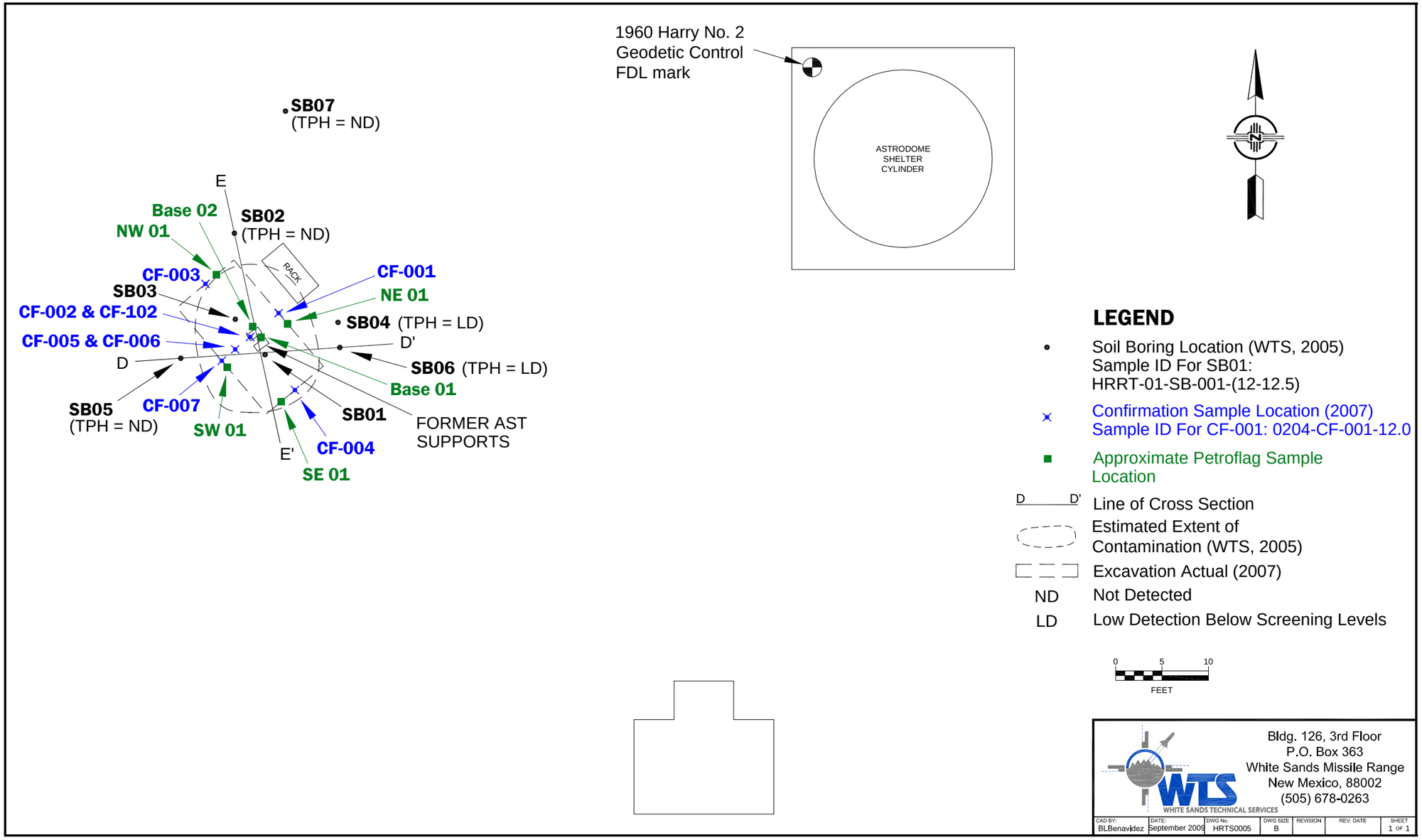

FIGURE 8. PLAN VIEW MAP OF THE HARRIETT SITE.

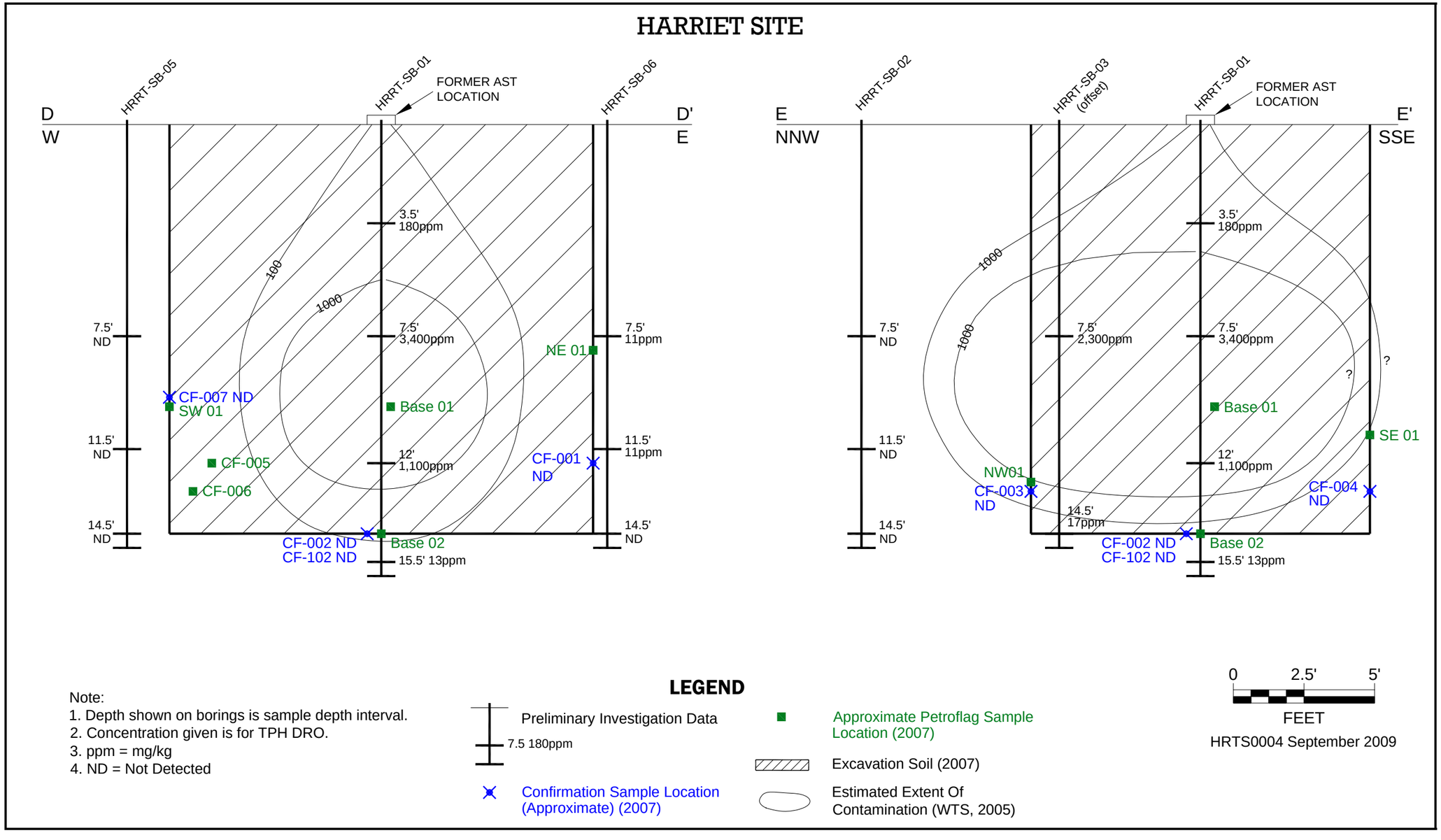

FIGURE 9. APPROXIMATE EXTENT OF EXCAVATIONS AT HARRIETT SITE.
The final excavation dimensions were approximately 8 ft X 15 ft X 14.5 ft. Dashed line in figure denotes estimated extent of contamination from the work plan.

PHOTOGRAPH 18. BEGINNING EXCAVATION AT THE HARRIETT SITE.
Photograph taken looking west.

PHOTOGRAPH 19. CONTINUING EXCAVATION AT HARRIETT SITE.
Photograph taken looking west.

PHOTOGRAPH 20. SOIL STAGING LOCATION AT HARRIETT.
Photograph taken looking north-east.

PHOTOGRAPH 21. HARRIETT SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking west.

3.4.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from each site, it is reported that 92 cubic yards of contaminated soil was removed from Harriett Site which was lower than the estimate of 110 cubic yards from the preliminary investigation. This material was taken to DP-1051for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 230 mg/kg and was non-ignitable.

3.4.4 Verification of Remediation

To verify that clean-up objectives were met, Trace Analysis analyzed confirmation soil samples prior to excavation backfill. As stipulated in the work plan, personnel collected samples from the bottom of the excavation, from each sidewall, and one duplicate sample per excavation. Samples taken from the excavation floors were collected as closely to the lateral centers of the diesel spills as possible. Crews took samples from sidewalls and preferentially selected the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to excavate the sample. Soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. There were no detections of VOCs or SVOCs from the site. Confirmation sample results for TPH DRO and RCRA metals are listed in table 13. Additionally, an equipment blank was collected using Type II water poured over the sample bowls following decontamination and analyzed. Personnel did not detect any contaminants of concern that would indicate the sampling equipment would contaminate subsequent samples. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels with the exception of on DRO sample from the south side-wall. Three confirmation samples were collected from the south side-wall. The first sample (0204-CF-005-13.0) had a TPH DRO laboratory detection of 113 ppm. A corresponding Petroflag ® analysis was 2,190 mg/kg full range hydrocarbons. Due to the difference in result, a resample (0204-CF-006-13.0) for laboratory analysis was collected which resulted in 5,150 mg/kg DRO. Following further excavation to the south to remove the additional contaminated soil, a third confirmation sample (0204-CF-007-10.0) collected resulted in a DRO concentration of 50 mg/kg indicating that contamination on the south side wall had been fully removed. TPH DRO was not detected in any other confirmation samples at a reporting limit of 50 mg/kg. Personnel did not detect VOCs or SVOCs in any confirmation samples from the Harriett excavation. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at concentrations above regulatory concern.

TABLE 13. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS HARRIETT SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0204-CF-001-12.0 Northeast side wall sample at 12 ft	<50	<0.250	<2	64.6	<0.200	5.37	<0.040	<1.00	<2.00
0204-CF-002-14.5 Base sample at 14.5 ft	<50	<0.250	<2	63.3	0.551	7.52	<0.040	<1.00	<2.00
0204-CF-102-14.5 Duplicate of -002 sample	<50	<0.250	2.09	67.4	0.542	7.90	<0.040	<1.00	<2.00

TABLE 13. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS HARRIETT SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
0204-CF-003-13.0 Northwest side wall sample at 13 ft	<50	<0.250	<2	85.6	0.512	6.42	<0.040	<1.00	<2.00
0204-CF-004-13.0 Southeast side wall sample at 13 ft	<50	<0.250	<2	29.1	<0.200	4.60	<0.040	<1.00	<2.00
0204-CF-005-13.0 First southwest side wall sample at 12 ft	113	<0.250	2.16	58.8	0.411	7.76	<0.040	<1.00	<2.00
0204-CF-006-13.0 Resample of southwest side wall sample at 13 ft	5,150	<0.250	<2	101	0.301	5.59	<0.040	<1.00	<2.00
0204-CF-007-10.0 Southwest side wall sample at 10 ft after further excavation	<50	<0.250	<2	27.2	0.220	3.76	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

3.5 SE-70 (SWMU 205)

3.5.1 Preliminary Investigation (BAE Systems, 2003)

The Range-wide AST survey identified a surface stain beneath the former site of an AST at SE-70 Site (SWMU 205; CCWS 31) (photograph 22). This stained area was not visible during the May 2003 preliminary investigation, but laboratory analysis of a soil sample taken at 1.5 ft bgs at that time quantified DRO at 1,000 mg/kg. Based on examination of cores from the preliminary investigation, soils at the site appear to be clayey, silty, gypsiferous fine-grained sands with clay content generally increasing with depth down to 10 ft bgs. The geoprobe also repeatedly encountered shallow refusals in soils at the site. Approximate depth to ground water at this site is unknown.

PHOTOGRAPH 22.
FORMER LOCATION OF AST, SE-70 SITE.
Photograph taken looking south-west.

Five soil borings were made at this site during the preliminary investigation. Only low levels (150 mg/kg) of DRO were detected in laboratory analysis of samples taken from the boring (soil boring SE-70-SB-01) at the presumed point of release, but this boring also could not be extended beyond 6 ft bgs. Laboratory analysis of samples taken from soil borings made approximately 10 ft west and approximately 10 ft south of the initial boring at the presumed point of release quantified DRO at 9,100 mg/kg (soil boring SE-70-SB-03) and 21,000 mg/kg (soil boring SE-70-SB-04), respectively.

Extent of Contamination from the Preliminary Investigation

SE-70 Site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 10 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. Personnel estimated that approximately 80 cubic yards of contaminated soil was beneath the SE-70 site. Actual excavation dimensions are shown superimposed over the original estimate on figure 10. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 11. Table 14 lists detected analytes from the preliminary investigation.

3.5.2 Results of Corrective Action

WSMR completed remediation at SE-70 from 20-23 December 2005. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation were delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. The Petroflag ® test kit was not available to the field crew at the time of this excavation, therefore, no Petroflag ® analysis was run. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 11.

Site personnel conducted physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. Crews ultimately extended excavation at the former AST at SE 70 to a depth of approximately 5 ft bgs. The sides of the excavation measured 45 ft X 22 ft. Photographs 23 and 24 show the SE-70 excavation. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2 (photographs 25-26).

PHOTOGRAPH 23. BEGINNING EXCAVATION AT SE-70 SITE.
Photograph taken looking south-east.

TABLE 14. PRELIMINARY INVESTIGATION DETECTED RESULTS SE-70 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
SE70-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	69,600
SE70-01-SD-01DL	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	1000	D	mg/Kg	520
SE70-01-SD-01	NA	surface	5/7/2003	Oil Range Organics (C24-C40)	290		mg/Kg	2,500
SE70-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/24/2003	Diesel Range Organics (C12-C24)	150		mg/Kg	520
SE70-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/24/2003	Bromofluorobenzene	101		µg/Kg	NE
SE70-01-SB-001-(5.5-6.0)	SB01	05.5-6.0	5/24/2003	Oil Range Organics (C24-C40)	66		mg/Kg	2,500
SE70-01-SB-001-(5.5-6.0)	SB01	05.5-6.0	5/24/2003	Bromofluorobenzene	102		µg/Kg	NE
SE70-01-SB-002-(5.0-5.5)	SB02	05.0-5.5	5/24/2003	Oil Range Organics (C24-C40)	210		mg/Kg	2,500
SE70-01-SB-002-(9.5-10.0)	SB02	09.5-10.0	5/24/2003	Oil Range Organics (C24-C40)	130		mg/Kg	2,500
SE70-01-SB-003-(1.0-1.5)DL	SB03	01.0-1.5	5/24/2003	Diesel Range Organics (C12-C24)	9100	D	mg/Kg	520
SE70-01-SB-003-(3.5-4.0)DL	SB03	03.5-4.0	5/24/2003	Diesel Range Organics (C12-C24)	520	D	mg/Kg	520
SE70-01-SB-004-(0.5-1.0)	SB04	0.5-1.0	5/24/2003	Diesel Range Organics (C12-C24)	3900	D	mg/Kg	520
SE70-01-SB-004-(3.0-3.5)	SB04	03.0-3.5	5/24/2003	Diesel Range Organics (C12-C24)	21000	D	mg/Kg	520
SE70-01-SB-005-(1.0-1.5)	SB05	01.0-1.5	5/24/2003	Bromofluorobenzene	100		µg/Kg	NE
SE70-01-SB-005-(2.5-3.0)	SB05	02.5-3.0	5/24/2003	Oil Range Organics (C24-C40)	90		mg/Kg	2,500

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

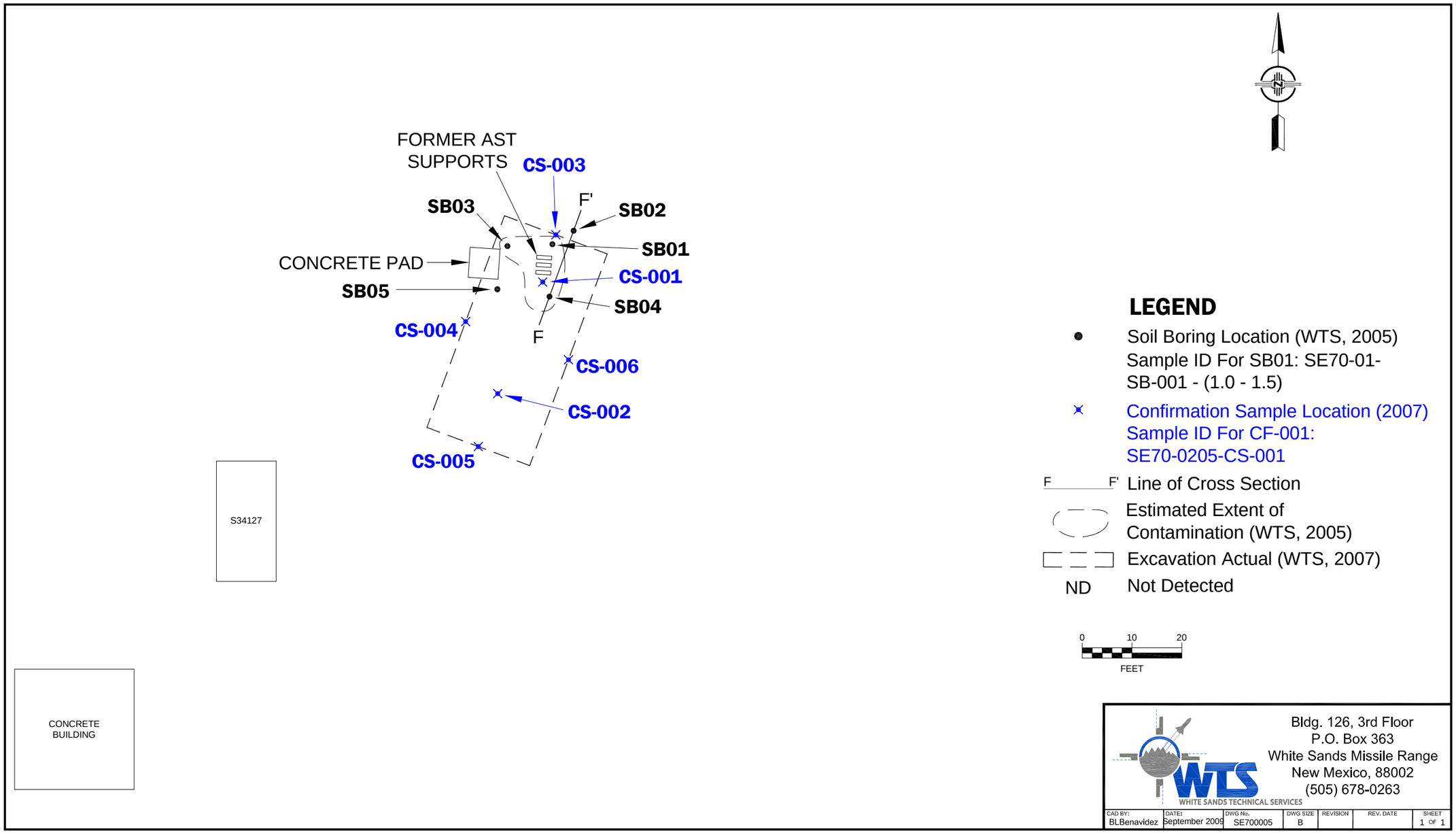

FIGURE 10. PLAN VIEW MAP OF THE SE-70 SITE.

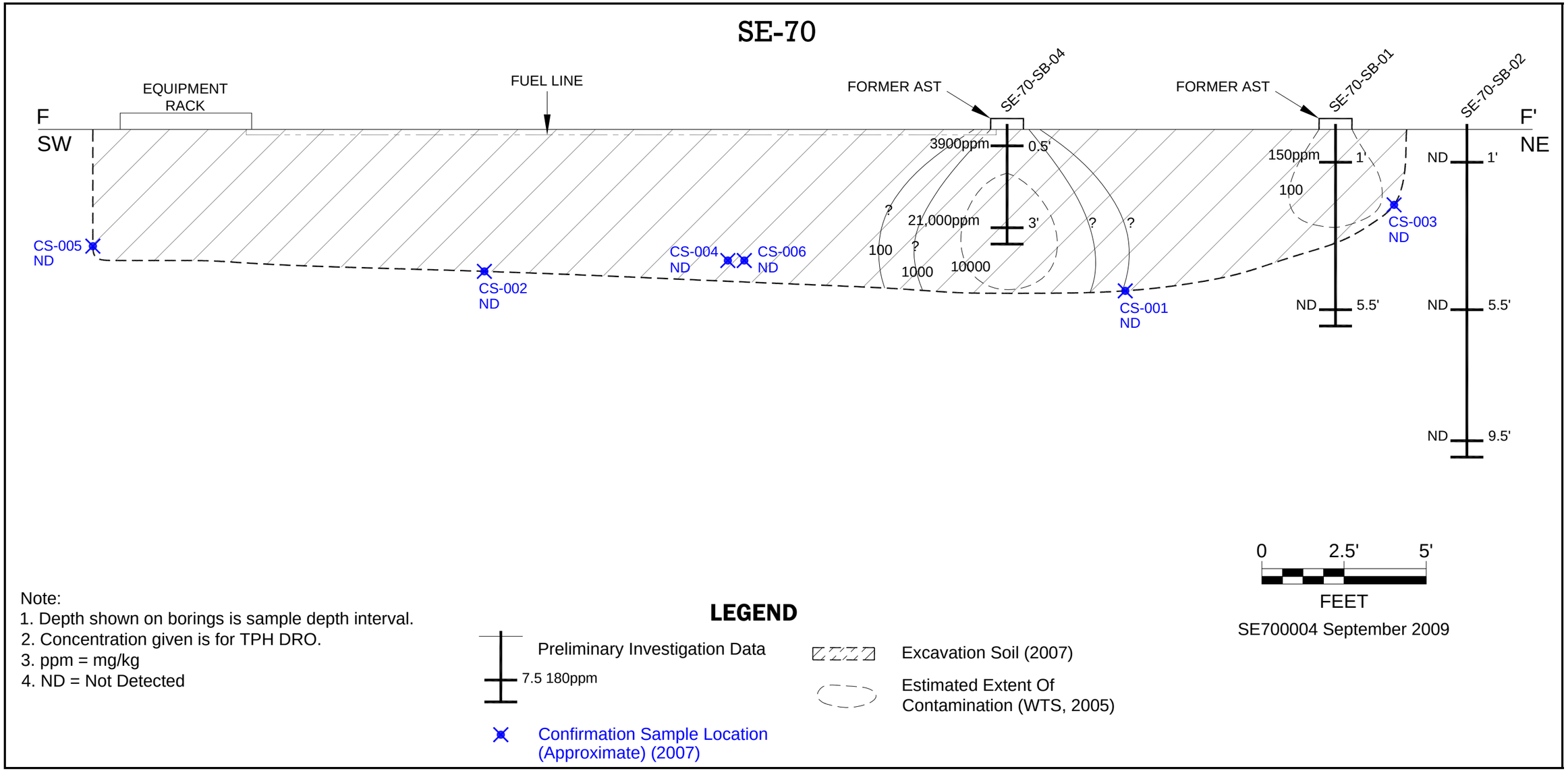

FIGURE 11. APPROXIMATE EXTENT OF EXCAVATIONS AT SE-70 SITE.
The final excavation dimensions were approximately 45 ft X 22 ft X 5 ft.
Dashed line in figure denotes estimated extent of contamination from the work plan.

PHOTOGRAPH 24. COMPLETED EXCAVATION AT SE-70 SITE.
Photograph taken looking south.

PHOTOGRAPH 25. SOIL STAGING LOCATION AT SE-70.
Photograph taken looking west.

PHOTOGRAPH 26. SE-70 SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking south.

3.5.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from SE-70 Site, it was reported that crews removed 200 cubic yards of contaminated soil. This material was taken to DP-1051 for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 3,830 mg/kg and was non-ignitable.

3.5.4 Verification of Remediation

To verify that clean-up objectives were met, Trace Analysis analyzed confirmation soil samples prior to excavation backfill. As stipulated in the work plan, personnel collected samples from the bottom of the excavation, one from each sidewall, and one duplicate sample per excavation. Samples were collected from sidewalls preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to take the sample. Personnel collected discrete soil samples from the bucket into a stainless steel bowl for prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 15. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. TPH DRO was not detected above the laboratory reporting limit of 50 mg/kg in any of the samples. No VOCs or SVOCs were detected in any confirmation samples from the SE-70 excavation. No relevant data quality exceptions were noted that could mask VOC or SVOC detections. Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site.

TABLE 15. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS SE-70 SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
SE70-0205-CS-001 Base sample near northeast side	<50.0	<0.050	<2.00	8.58	<0.100	<0.500	<0.040	<1.00	<1.00
SE70-0205-CS-101 Duplicate of Base sample	<50.0	<0.050	<2.00	8.48	<0.100	<0.500	<0.040	<1.00	<1.00
SE70-0205-CS-002 Base sample near southwest side	<50.0	<0.050	<2.00	7.79	<0.100	<0.500	<0.040	<1.00	<1.00
SE70-0205-CS-003 Northeast side wall sample at 3 ft	<50.0	<0.050	<2.00	18.2	0.224	<0.500	<0.040	<1.00	<1.00
SE70-0205-CS-004 Northwest side wall sample at 5 ft	<50.0	<0.050	<2.00	28.2	0.286	<0.500	<0.040	<1.00	<1.00
SE70-0205-CS-005 Southwest side wall sample at 4 ft	<50.0	<0.050	<2.00	72.9	2.25	15.9	<0.040	90.5	<1.00
SE70-0205-CS-006 Southeast side wall sample at 5 ft	<50.0	<0.050	<2.00	47.2	0.404	<0.500	<0.040	1.70	<1.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

3.6 Atom Site (SWMUs 206-207)

3.6.1 Preliminary Investigation (BAE Systems, 2003)

The survey identified two separate potential release areas associated with two separate ASTs at Atom Site (photograph 27), both of which had been removed at the time of the survey. The preliminary investigation identified a tan-yellow area with no vegetation and another area with a noticeable hydrocarbon odor. Based on examination of cores from the direct push probe, soils at the site appear to consist of alternating layers of maroon and yellow-brown clays down to 8 ft bgs. No wells have been drilled at North Oscura Peak (where the atom sites are located). It is likely, however, that water migrating downward through the soil encounters dipping limestone layers. It is believed that unsaturated flow through the limestone is primarily along fractures and bedding planes where the groundwater ultimately enters the Precambrian basement rock below the sedimentary rock. Almost all of the groundwater in the rocks of Pennsylvanian age occur in fractures in the limestone and appears in springs, shallow wells, and collection galleries on the back slope. These sources yield only very small quantities of water (Davis and Busch, 1965). Another investigation indicated conclusively that potable ground water at North Oscura Peak is not sufficiently plentiful to warrant attempting development of other than very small supplies in a few localities (Weir, 1965).

The limited amount of water and/or fuel that migrates downward through the soil would encounter dipping limestone layers adding an easterly component to the flow direction because unsaturated flow through the limestone is primarily along fractures and bedding planes. Where the groundwater ultimately enters the Precambrian basement rock below the sedimentary rock, the fracture-flow regime causes flow direction to be unpredictable locally. The elevation of the regional aquifer is below the ground surface in both the Tularosa and Jornada del Muerto Basins. Therefore, the depth to regional groundwater (if it exists) below the landfill site is in excess of 1,700 feet. Analysis of soil samples obtained from direct push borings (soil borings Atom-01-SB-01 through Atom-01-SB-03) at Atom-01 Site locations detected no DRO concentrations above reporting limits at the presumed point of release and only trace levels, no higher than 15 mg/kg in three borings made around the presumed point of release, were detected.

Analysis of soil samples at the Atom-02 potential release site detected DRO as high as 13,000 mg/kg in a sample taken at 4 ft bgs at the presumed point of release (soil boring Atom-02-SB-01). Researchers detected a concentration of 1,300 mg/kg in a sample taken at a depth of 7.5 ft bgs in this boring, but the

boring was not extended further due to limitations of the geoprobe. A concentration of 780 mg/kg of DRO was quantified in a diluted sample prepared from soil taken 3.5 ft bgs in a boring approximately 10 ft down slope (east-northeast) (soil boring Atom-02-SB-02) but was not detected at 7.5 ft bgs with a reporting limit of 11 mg/kg. In a boring made approximately 12 ft further down slope (soil boring Atom-02-SB-04), DRO was quantified at 6,100 mg/kg in a sample taken 3.5 ft bgs and was not detected above an 11 mg/kg reporting limit at 6.5 ft bgs.

PHOTOGRAPH 27. FORMER LOCATION OF AST, ATOM SITE;
Buildings in Background were demolished at some time prior to remediation.
Photograph taken looking south-west.

Extent of Contamination from the Preliminary Investigation

Atom Site has two former AST locations. Based on the preliminary investigation soil borings, only one of the AST locations (Atom-02) (SWMU 207; CCWS 32) was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. A surface soil sample (Atom01-SD-01DL) at the Atom-01 site during the preliminary investigation (prior to installation of soil borings) had a DRO concentration of 860 mg/kg. However, the excavation encompassed the location of the high surface sample concentration. Figure 12 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the original estimated horizontal extent of contamination based on the preliminary investigation. The furthest extent of contamination was not determined during the preliminary investigation. Further site characterization through soil sampling (with the exception of confirmation samples) was not completed. The determination of furthest extent of contamination and remediation was accomplished through excavation and soil removal (Section 3.6.2).

Actual excavation dimensions are shown superimposed over the original estimate on figure 12. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 13. Table 16 shows detected analytes from the preliminary investigation.

TABLE 16. PRELIMINARY INVESTIGATION DETECTED RESULTS ATOM SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
ATOM-01-SD-01	Atom 1	surface	5/28/2003	Flash Point (Setaflash)	200	>	degrees F	NE
ATOM-01-SD-01DL	Atom 1	surface	5/28/2003	Diesel Range Organics (C12-C24)	860	D	mg/Kg	520
ATOM-01-SD-01	Atom 1	surface	5/28/2003	Oil Range Organics (C24-C40)	570		mg/Kg	2,500
ATOM-01-SB-003-(3.5-4.0)	Atom 1 SB03	03.5-4.0	5/28/2003	Diesel Range Organics (C12-C24)	13		mg/Kg	520
ATOM-01-SB-003-(3.5-4.0)	Atom 1 SB03	03.5-4.0	5/28/2003	Oil Range Organics (C24-C40)	130		mg/Kg	2,500
ATOM-01-SB-004-(1.0-1.5)	Atom 1 SB04	01.0-1.5	5/28/2003	Diesel Range Organics (C12-C24)	15		mg/Kg	520
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	Diesel Range Organics (C12-C24)	13000	D	mg/Kg	520
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	2-Methylnaphthalene	22000	D	µg/Kg	NE
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	Acenaphthene	2200	D	µg/Kg	3,440,000
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	Fluorene	3500	D	µg/Kg	2,290,000
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	Naphthalene	4500	D	µg/Kg	45,000
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	Phenanthrene	7100	D	µg/Kg	1,830,000
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	2-Methylnaphthalene	13000	E	µg/Kg	NE
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Oil Range Organics (C24-C40)	370		mg/Kg	2,500
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Acenaphthene	1600		µg/Kg	3,440,000
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Fluorene	2600		µg/Kg	2,290,000
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Naphthalene	4100		µg/Kg	45,000
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Phenanthrene	5900		µg/Kg	1,830,000
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Pyrene	240		µg/Kg	1,720,000
ATOM-02-SB-001-(7.5-8.0)DL	Atom 2 SB01	07.5-8.0	5/28/2003	Diesel Range Organics (C12-C24)	1300	D	mg/Kg	520
ATOM-02-SB-001-(7.5-8.0)	Atom 2 SB01	07.5-8.0	5/28/2003	Anthracene	34	J	µg/Kg	17,200,000
ATOM-02-SB-001-(7.5-8.0)	Atom 2 SB01	07.5-8.0	5/28/2003	2-Methylnaphthalene	47		µg/Kg	NE

TABLE 16. PRELIMINARY INVESTIGATION DETECTED RESULTS ATOM SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
ATOM-02-SB-001-(7.5-8.0)	Atom 2 SB01	07.5-8.0	5/28/2003	Acenaphthene	49		µg/Kg	3,440,000
ATOM-02-SB-001-(7.5-8.0)	Atom 2 SB01	07.5-8.0	5/28/2003	Fluorene	54		µg/Kg	2,290,000
ATOM-02-SB-001-(7.5-8.0)	Atom 2 SB01	07.5-8.0	5/28/2003	Phenanthrene	54		µg/Kg	1,830,000
ATOM-02-SB-002-(3.5-4.0)DL	Atom 2 SB02	03.5-4.0	5/28/2003	Diesel Range Organics (C12-C24)	780	D	mg/Kg	520
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Fluoranthene	27	J	µg/Kg	2,290,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Ethyl Benzene	140	P	µg/Kg	69,600
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	o-Xylene	51	P	µg/Kg	9,550,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	2-Methylnaphthalene	2900		µg/Kg	NE
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Acenaphthene	260		µg/Kg	3,440,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Fluorene	400		µg/Kg	2,290,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	m,p-Xylene	240		µg/Kg	1,090,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Naphthalene	280		µg/Kg	45,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Phenanthrene	1200		µg/Kg	1,830,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Pyrene	98		µg/Kg	1,720,000
ATOM-02-SB-004-(3.5-4.0)DL	Atom 2 SB04	03.5-4.0	5/28/2003	Diesel Range Organics (C12-C24)	6100	D	mg/Kg	520
ATOM-02-SB-104-(3.5-4.0)DL	Atom 2 SB04	03.5-4.0	5/28/2003	Diesel Range Organics (C12-C24)	5900	D	mg/Kg	520
ATOM-02-SB-004-(3.5-4.0)	Atom 2 SB04	03.5-4.0	5/28/2003	Oil Range Organics (C24-C40)	68		mg/Kg	2,500
ATOM-02-SB-104-(3.5-4.0)	Atom 2 SB04	03.5-4.0	5/28/2003	Oil Range Organics (C24-C40)	51		mg/Kg	2,500

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

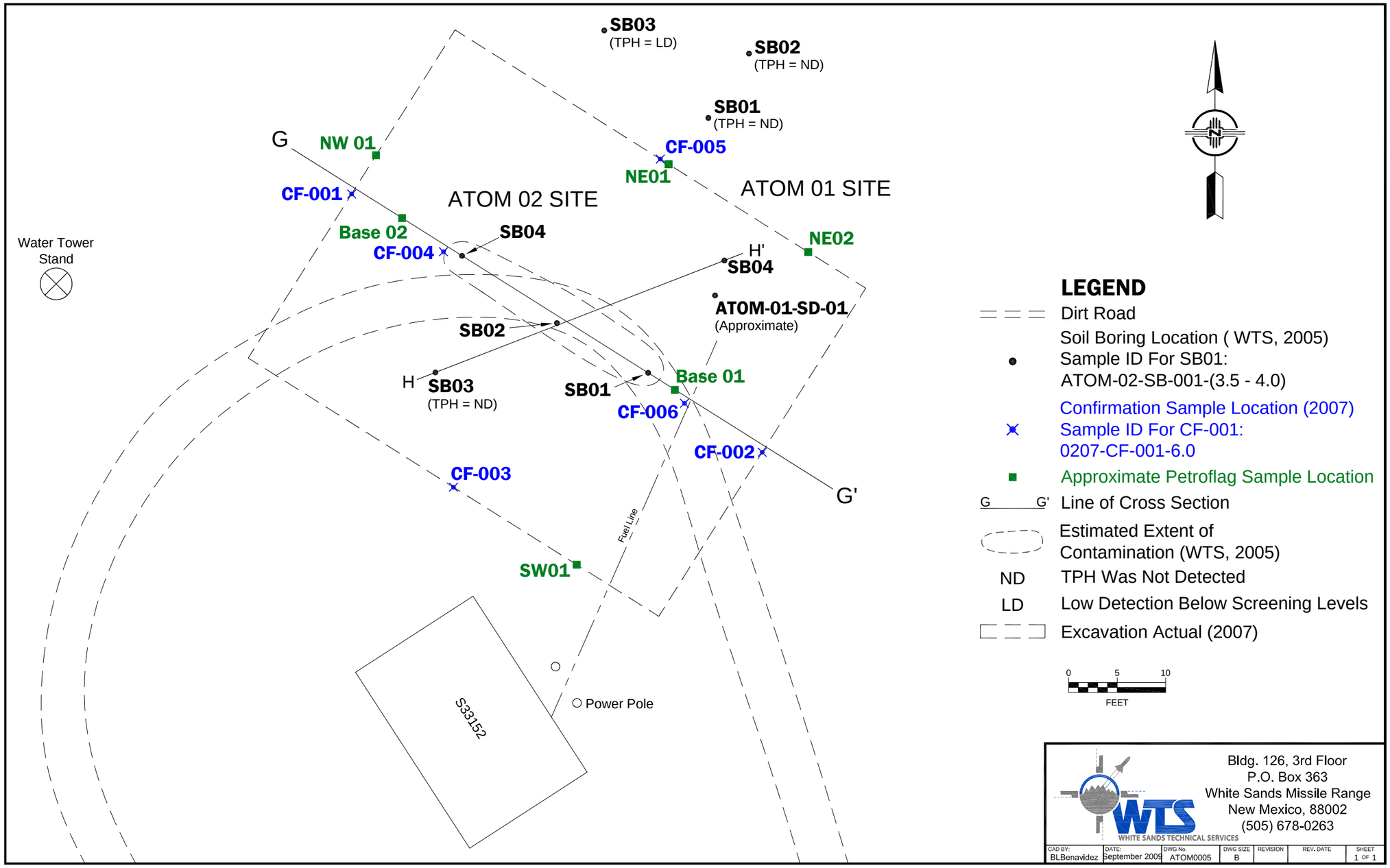

FIGURE 12. PLAN VIEW MAP OF THE ATOM SITE

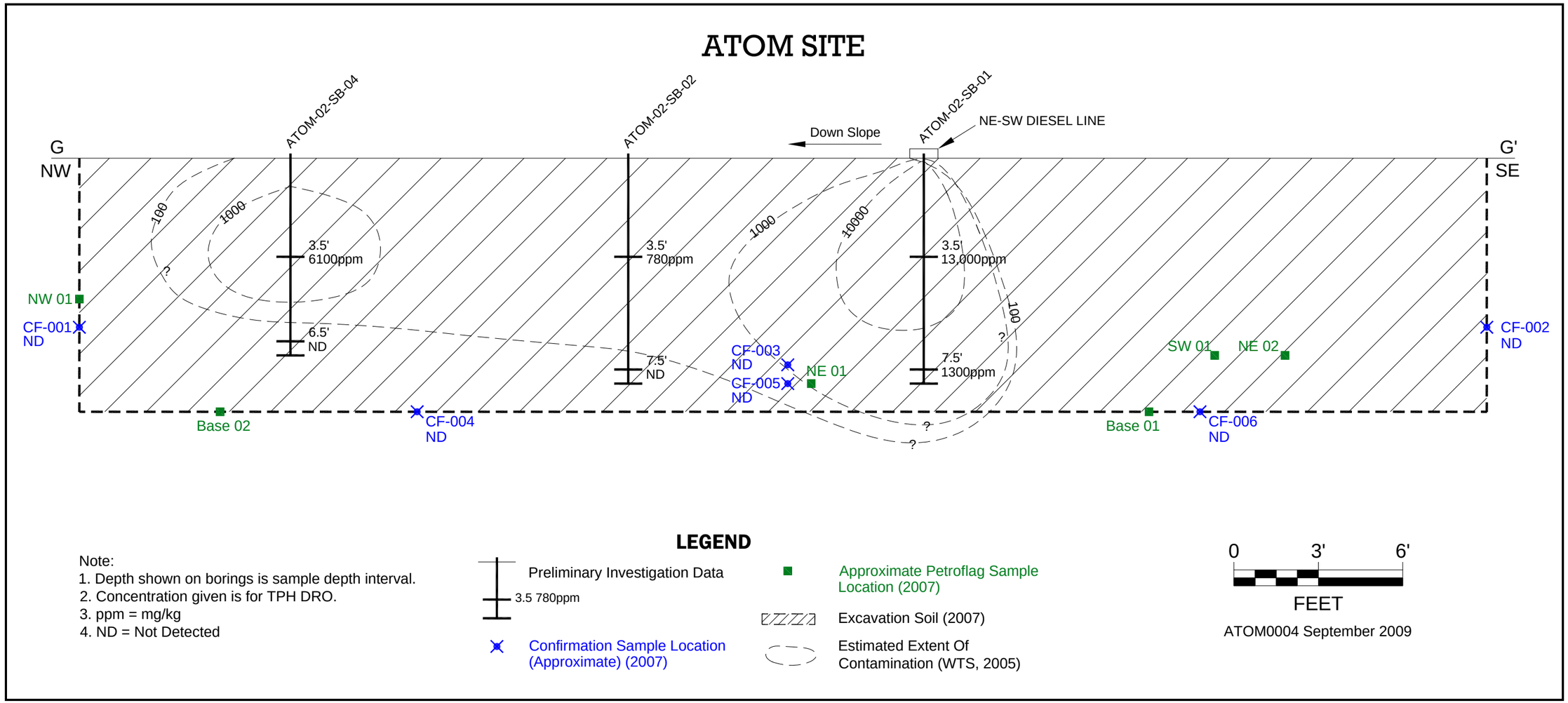

FIGURE 13. APPROXIMATE EXTENT OF EXCAVATIONS AT ATOM SITE.
The final excavation dimensions were approximately 40 ft X 50 ft X 9 ft. Dashed line in figure denotes estimated extent of contamination from the work plan.

3.6.2 Results of Corrective Action

WSMR completed remediation at Atom Site from 31 July 2007 – 13 August 2007. Researchers noted that buildings and vegetation present on site during the preliminary investigation had been removed. Accurate location of the site was obtained using GPS coordinates collected during the preliminary investigation. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation were delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 13.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. Excavation at the site was completed using an excavator (trackhoe). Additionally, personnel used a Petroflag ® Test Kit to screen samples at the edges and base of the excavation. The excavation at the former AST at Atom was ultimately extended to a depth of approximately 9 ft bgs. Limestone bedrock was encountered during excavation between 8 and 9 ft bgs (photograph 28). The sides of the excavation measured approximately 40 ft X 50 ft. Six test kits were run using the Petroflag ® system (table 17). Results ranged from 0 mg/kg to 228 mg/kg full range hydrocarbons, which was well below the 520 mg/kg TPH Screening Guideline. Following results of the Petroflag® analysis, excavation at the site was halted. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2. Photographs 28-31 show the Atom excavation.

TABLE 17. PETROFLAG® FIELD SCREENING RESULTS FOR ATOM SITE.

Field Sample Location (ID)	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Base sample southeast side at 8 feet (Base01)	203	No further excavation down
Northwest side wall at 5 feet (NW01)	58	No further excavation to northwest
Northeast side wall at 8 feet bgs (NE01)	20	No further excavation to northeast
Southwest side wall at 7feet bgs (SW01)	0	No further excavation to southwest
Base sample northwest side at 8 feet (Base02)	228	No further excavation down
Northeast side wall at 7 feet bgs (NE02)	0	No further excavation to northeast

PHOTOGRAPH 28. LIMESTONE BEDROCK (REGOLITH) ENCOUNTERED DURING EXCAVATION.
Photograph taken looking south-west.

PHOTOGRAPH 29. EXCAVATION AT THE ATOM SITE.
Photograph taken looking north-east.

PHOTOGRAPH 30.
COMPLETED EXCAVATION AT ATOM SITE AND SOIL STOCKPILE.
Photograph taken looking south-east.

PHOTOGRAPH 31.
ATOM SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking north-east.

3.6.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from the site, it was reported that crews removed 600 cubic yards of contaminated soil from Atom Site. WSMR originally estimated that 110 cubic yards of contaminated soil would require removal. This material was taken to DP-1051for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 860 mg/kg and was non-ignitable.

3.6.4 Verification of Remediation

To verify that clean-up objectives were met, Trace Analysis analyzed confirmation soil samples prior to excavation backfill. As stipulated in the work plan, personnel collected samples from the bottom of the excavation, from each sidewall, and one duplicate sample per excavation. Personnel collected samples from sidewalls preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to collect the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 18. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. Metals are not expected to be associated with diesel fuel, however, WSMR analyzed for RCRA metals to determine their concentrations at the site. Personnel did not detect TPH DRO in the confirmation samples at a reporting limit of 50 mg/kg. No VOCs or SVOCs were detected in the confirmation samples from the Atom excavation. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Contaminated soil was excavated and followed out to its extent based on field observations by site personnel. Confirmation sample locations were collected based on those field observations at the site during excavation activities. WSMR asserts that samples collected represent potential contamination at the site. Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at concentrations above regulatory concern.

TABLE 18. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS ATOM SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0207-CF-001-6.0 Northest side wall sample at 6 ft	<50	<0.250	<2	103	2.08	27.6	<0.040	<1.00	<2.00
0207-CF-002-6.0 Southeast side wall sample at 6 ft	<50	<0.250	<2	38.6	0.865	20.7	<0.040	<1.00	<2.00
0207-CF-003-7.0 Southwest side wall sample at 7 ft	<50	<0.250	<2	38.9	2.13	28.1	<0.040	<1.00	<2.00
0207-CF-004-8.0 Base sample near northwest wall at 8 ft	<50	<0.250	3.53	37.7	1.40	12.6	0.0762	<1.00	<2.00
0207-CF-005-8.0 Northeast side wall sample at 8 ft	<50	<0.250	<2	36.8	0.790	15.5	0.0752	<1.00	<2.00
0207-CF-006-9.0 Base sample near northeast wall at 9 ft	<50	<0.250	<2	30.0	0.620	17.2	<0.040	<1.00	<2.00
0207-CF-106-9.0 Duplicate of -006	<50	<0.250	<2	31.8	0.657	17.9	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

3.7 SE-50 (SWMU 208)

3.7.1 Preliminary Investigation (BAE Systems, 2003)

The Range-wide AST survey identified a surface stain beneath the former site of an AST at SE-50 (SWMU 208; CCWS 34). Personnel identified a diesel-saturated zone (photograph 32) beneath the surface in the preliminary investigation (photograph 33), and a soil sample taken at 1.5 ft bgs during that investigation contained 25,000 mg/kg DRO, exceeding the 520 mg/kg NMED TPH residential screening guideline for diesel fuel. Soils at the site appear to be fine to medium-grained sands down to approximately 7 ft bgs. Below this, alternating layers of clay and sand exist down to 16 ft bgs. Approximate depth to ground water at this site is unknown.

PHOTOGRAPH 32. DIESEL-SATURATION IN SHALLOW SUBSURFACE AT SE-50.

PHOTOGRAPH 33. FORMER LOCATION OF AST, SE-50 SITE.
Photograph taken looking north-west.

Only two soil borings were made at this site due to difficulties penetrating the sand with the direct push probe. Laboratory analysis of samples taken from the boring (soil boring SE-50-SB-01) made at the presumed point of release detected DRO at concentrations of 13,000 mg/kg and 26,000 mg/kg at 1 ft bgs and 13 ft bgs, respectively. No TPH was detected in a sample taken at 15.5 ft bgs in the same boring. No TPH was detected above reporting limits of 12 mg/kg for DRO in analysis of samples taken from the second boring (soil boring SE-50-SB-02), approximately 20 ft west of the first boring.

Extent of Contamination from the Preliminary Investigation

SE-50 site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 14 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. It was originally estimated that approximately 60 cubic yards of contaminated soil underlies the SE-50 site. Actual excavation dimensions are shown superimposed over the original estimate on figure 14. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 15. Table 19 lists detected results from the preliminary investigation.

3.7.2 Results of Corrective Action

WSMR completed remediation at SE-50 from 14-23 December 2005. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation were delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, crews extended excavation in the appropriate direction until no physical evidence remained of further contamination in that direction. Petroflag ® analysis was not run on samples from this site. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 15.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and they extended excavation accordingly. The excavation at the former AST at SE-50 was ultimately extended to a depth of approximately 15 ft bgs. The sides of the excavation measured 20 ft X 15 ft. Photographs 34 and 35 show the SE-50 excavation. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2 (photographs 36-37).

TABLE 19. PRELIMINARY INVESTIGATION DETECTED RESULTS SE-50 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
SE50-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	NE
SE50-01-SD-01DL	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	25000	D	mg/Kg	520
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Diesel Range Organics (C12-C24)	13000	D	mg/Kg	520
SE50-01-SB-101 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Diesel Range Organics (C12-C24)	8800	D	mg/Kg	520
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Acenaphthene	1300	D	µg/Kg	3,440,000
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Fluorene	910	D	µg/Kg	2,290,000
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Phenanthrene	1400	D	µg/Kg	1,830,000
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Pyrene	740	D	µg/Kg	1,720,000
SE50-01-SB-101 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Acenaphthene	1700	D	µg/Kg	3,440,000
SE50-01-SB-101 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Fluorene	790	D	µg/Kg	2,290,000
SE50-01-SB-101 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Phenanthrene	920	D	µg/Kg	1,830,000
SE50-01-SB-101 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Pyrene	400	D	µg/Kg	1,720,000
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Benzo[a]anthracene	33	J	µg/Kg	4,810
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Chrysene	100	JD	µg/Kg	48,100
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Oil Range Organics (C24-C40)	160		mg/Kg	2,500
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Oil Range Organics (C24-C40)	75		mg/Kg	2,500
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Acenaphthene	1100		µg/Kg	3,440,000
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Chrysene	85		µg/Kg	48,100
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Fluorene	390		µg/Kg	2,290,000
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Phenanthrene	1100		µg/Kg	1,830,000
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Pyrene	790		µg/Kg	1,720,000
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Acenaphthene	900		µg/Kg	3,440,000
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Chrysene	59		µg/Kg	48,100
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Fluorene	400		µg/Kg	2,290,000
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Phenanthrene	580		µg/Kg	1,830,000

TABLE 19. PRELIMINARY INVESTIGATION DETECTED RESULTS SE-50 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Pyrene	380		µg/Kg	1,720,000
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Diesel Range Organics (C12-C24)	26000	D	mg/Kg	520
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	2-Methylnaphthalene	36000	D	µg/Kg	NE
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Acenaphthene	2900	D	µg/Kg	3,440,000
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Fluorene	4500	D	µg/Kg	2,290,000
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Naphthalene	6200	D	µg/Kg	45,000
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Phenanthrene	12000	D	µg/Kg	1,830,000
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Pyrene	950	D	µg/Kg	1,720,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	2-Methylnaphthalene	29000	E	µg/Kg	NE
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Chrysene	130	J	µg/Kg	48,100
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Oil Range Organics (C24-C40)	170		mg/Kg	2,500
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Acenaphthene	1900		µg/Kg	3,440,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Ethyl Benzene	1400		µg/Kg	69,600
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Fluorene	3000		µg/Kg	2,290,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	m,p-Xylene	4000		µg/Kg	1,090,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Naphthalene	5500		µg/Kg	45,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	o-Xylene	2100		µg/Kg	9,550,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Phenanthrene	10000		µg/Kg	1,830,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Pyrene	1000		µg/Kg	1,720,000
SE50-01-SB-001 (15.5-16.0)	SB01	15.5-16.0	5/22/2003	2-Methylnaphthalene	32	J	µg/Kg	NE
SE50-01-SB-001 (15.5-16.0)	SB01	15.5-16.0	5/22/2003	Phenanthrene	28	J	µg/Kg	1,830,000

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

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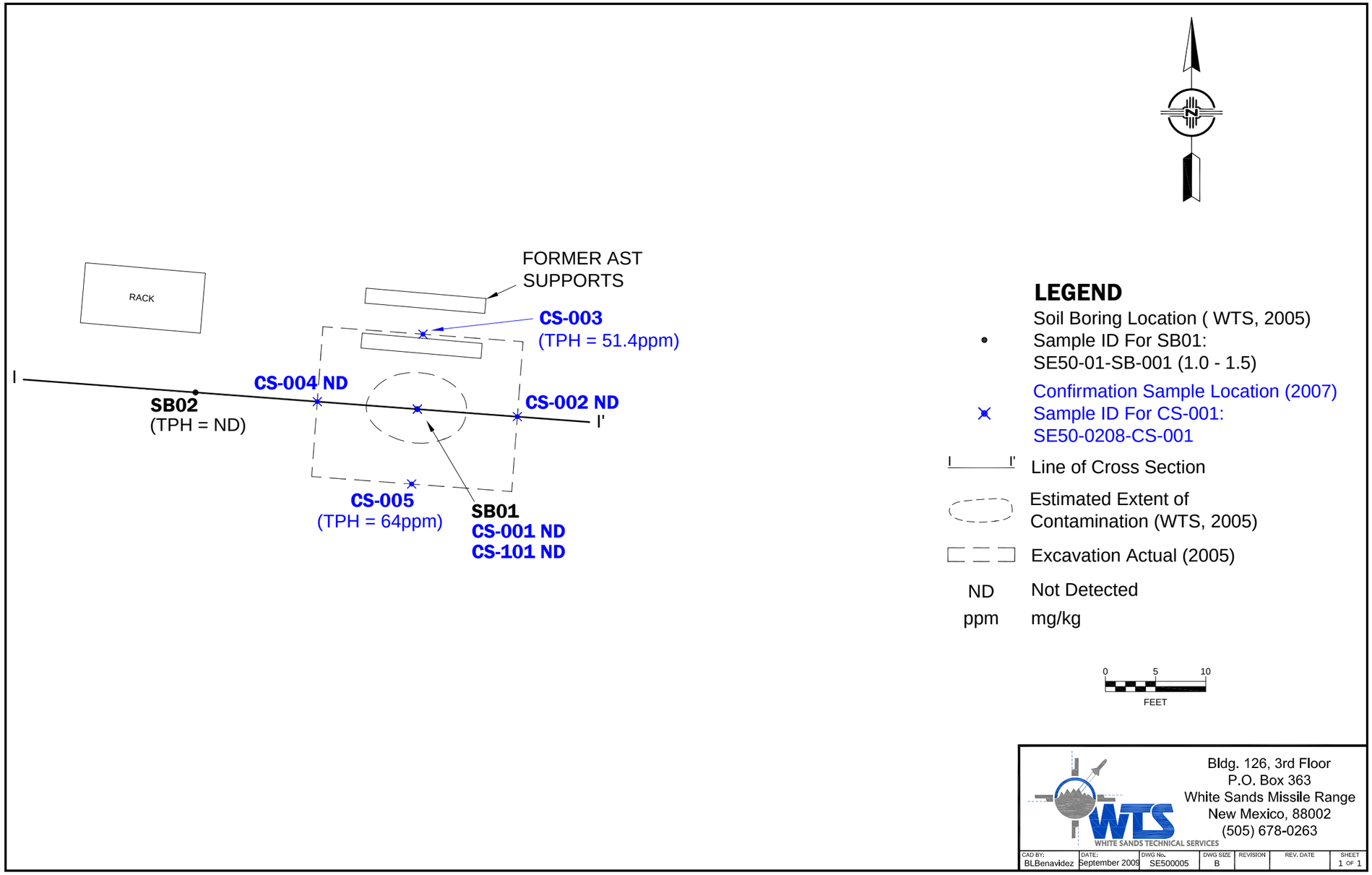

FIGURE 14. PLAN VIEW MAP OF THE SE-50 SITE.

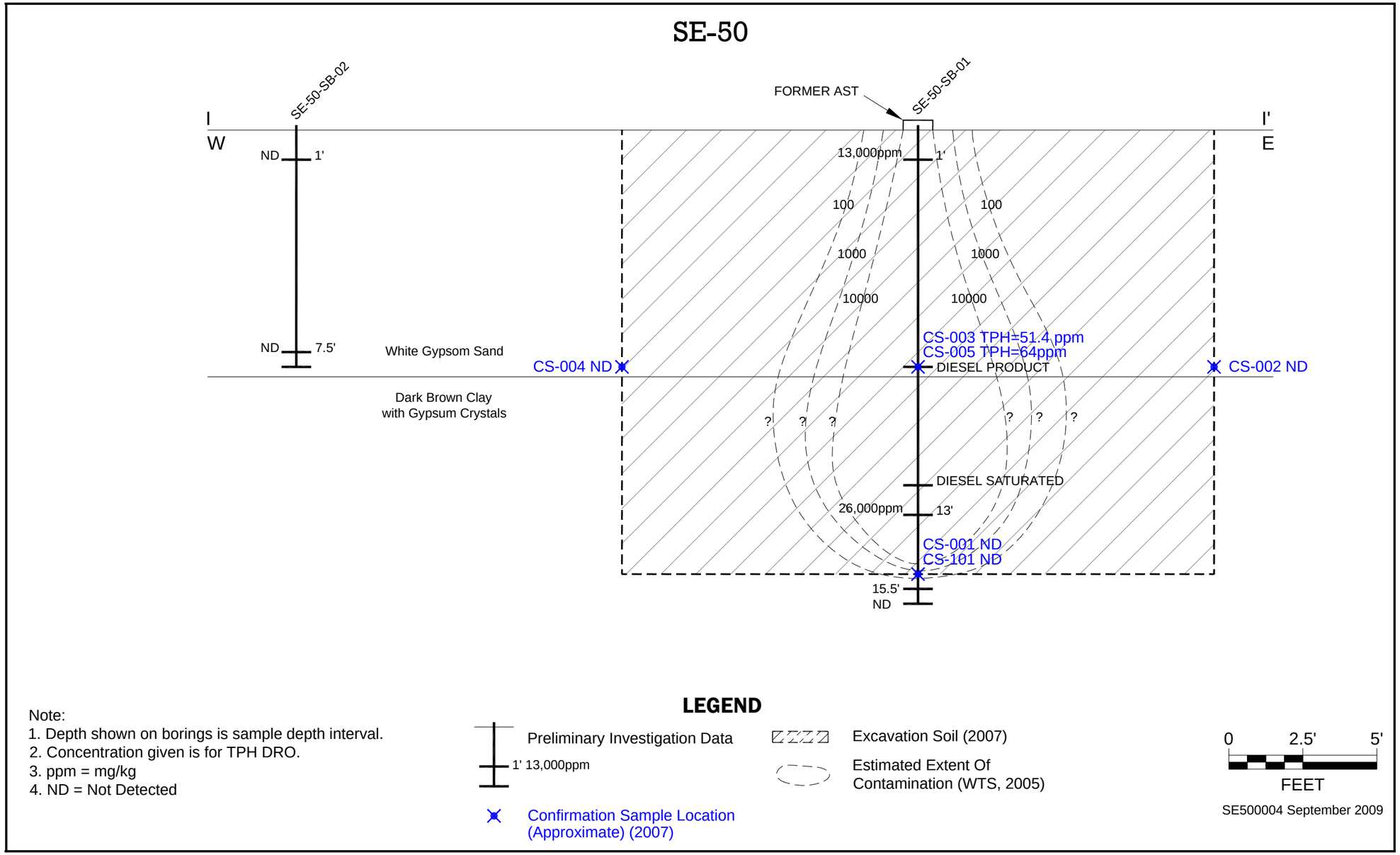

FIGURE 15. APPROXIMATE EXTENT OF EXCAVATIONS AT SE-50 SITE.
The final excavation dimensions were approximately 20 ft X 15 ft X 15 ft.
Dashed line in figure denotes estimated extent of contamination from the work plan.

PHOTOGRAPH 34.
BEGINNING EXCAVATION AT SE-50 SITE.
Photograph taken looking south.

PHOTOGRAPH 35.
COMPLETED EXCAVATION AT SE-50 SITE.
Photograph taken looking north-west.

PHOTOGRAPH 36.
SOIL STAGING LOCATION AT SE-50.
Photograph taken looking north-east.

PHOTOGRAPH 37.
SE-50 SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking west.

3.7.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from the SE-50 site, it is reported that crews removed 160 cubic yards of contaminated soil. This material was taken to DP-1051for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 2,050 mg/kg and was non-ignitable.

3.7.4 Verification of Remediation

To verify that clean-up objectives were met, site personnel collected confirmation soil samples and analyzed by analytical laboratory (Trace Analysis of Lubbock, Texas) prior to excavation backfill. As stipulated in the work plan, samples were collected from the bottom of the excavation, one from each sidewall, and one duplicate sample per excavation. Samples taken from sidewalls were taken preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Personnel collected confirmation samples directly from the backhoe bucket after directing the operator where to take the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 20. Organic detections are shown in table 21. No relevant data quality exceptions were noted that could mask VOC or SVOC detections. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. TPH DRO was detected in two confirmation samples at a highest concentration of 64 mg/kg. TPH was not detected above the laboratory reporting limit of 50 mg/kg in any of the remaining samples. No VOCs or SVOCs were detected in any confirmation samples from the SE-50 excavation with the exception of di-n-octylphthalate. Di-n-octylphthalate was detected at 0.703 mg/kg in the confirmation sample collected from the base of the excavation. The Environmental Protection Agency Region 6 Human Health Screening Level (residential) for di-n-octylphthalate is 2,400 mg/kg. A NMED Soil Screening Level was not listed in the November 2005 Soil Screening Level Guidelines. Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site.

TABLE 20. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS SE-50 SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
SE50-0208-CS-001 Base sample	<50.0	<0.050	<2.00	109	1.46	6.19	<0.040	6.60	<1.00
SE50-0208-CS-101 Duplicate of Base sample	<50.0	<0.050	<2.00	78.2	1.29	5.40	<0.040	3.97	<1.00
SE50-0208-CS-002 East side wall sample at 8 ft	<50.0	<0.050	<2.00	77.0	1.89	9.15	<0.040	3.97	<1.00
SE50-0208-CS-003 North side wall sample at 8 ft	51.4	<0.050	<2.00	21.4	0.327	1.27	<0.040	1.16	<1.00
SE50-0208-CS-004 West side wall sample at 8 ft	<50.0	<0.050	<2.00	50.2	0.637	3.01	<0.040	2.97	<1.00
SE50-0208-CS-005 South side wall sample at 8 ft	64.0	<0.050	<2.00	57.9	0.910	4.48	<0.040	2.94	<1.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

TABLE 21. LABORATORY ORGANIC DETECTIONS CONFIRMATION SAMPLES SE-50 SITE.

Sample ID	Test	Method	Units	Parameter	Result	SSL
SE50-0208-CS-001	Semivolatiles	S 8270C	mg/Kg	Di-n-octylphthalate	0.703	2,400

3.8 EC-50 Site (SWMU 209)

3.8.1 Preliminary Investigation (BAE Systems, 2003)

The Range-wide AST survey identified surface stains beneath an inactive AST at the EC-50 site (SWMU 209; CCWS 35) (photograph 38). Based on WSMR's examination of cores from the direct push probe, the upper 3 ft of soil appears to consist of fine to medium-grained sands with some clay and silt, underlain by a layer of mixed fine-grained sand, silt and clay with possible gypsum or caliche down to approximately 7 ft bgs to 8 ft bgs. Beneath this layer is a thin layer of fine to medium-grained sand, approximately 0.5 to 1 foot thick, with alternating layers of mixed sandy-clays and clayey-sands beneath down to a depth of 15 ft bgs.

PHOTOGRAPH 38. EC-50 SITE.
Photograph taken looking north-west

WSMR initially completed 5 soil borings at this site using the direct push geoprobe, with an additional 3 borings being made in a follow-up sampling event one week later. Concentrations of DRO were quantified at 4,700 mg/kg and 2,000 mg/kg in soil samples taken at depths of 1 ft bgs and 8 ft bgs, respectively, in the first boring (soil boring EC-50-SB-01), presumed to be the point of origin of the release from the AST. No DRO was detected above the reporting limit of 13 mg/kg in a sample taken at 12 ft bgs in this boring. Concentrations of DRO very similar to those detected in the first boring were detected in borings made approximately 10 ft and 15 ft south of the initial boring (soil borings EC-50-SB-02 and EC-50-SB-04), with detections occurring as deep as 14.5 ft bgs, the maximum depth sampled. Detections of DRO were also made in a boring (soil boring EC-50-SB-05) made approximately 35 ft south of the initial boring at all depths, although the concentrations were not quantified any higher than at 1,200 mg/kg, reported for a sample prepared from soil taken at 13.5 ft bgs. No DRO was detected above the reporting limit of 12 mg/kg in a soil boring (soil boring EC-50-SB-03) made approximately 10 ft north-northeast of the initial boring.

<u>Extent of Contamination from the Preliminary Investigation</u>

The EC-50 site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 16 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the original estimated horizontal extent of contamination based on the preliminary investigation. It was originally estimated that approximately 280 cubic yards of contaminated soil was present beneath the EC-50 site. Actual excavation dimensions are shown superimposed over the original estimate on figure 16. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 17. Detected analytes from the preliminary investigation are included in table 22.

TABLE 22. PRELIMINARY INVESTIGATION DETECTED RESULTS EC-50 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
EC50-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	NE
EC50-01-SD-01DL	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	1500	D	mg/Kg	520
EC50-01-SD-01	NA	surface	5/7/2003	Oil Range Organics (C24-C40)	58		mg/Kg	2,500
EC50-01-SB-001-(1.0-1.5)DL	SB01	01.0-1.5	5/23/2003	Diesel Range Organics (C12-C24)	4700	D	mg/Kg	520
EC50-01-SB-001-(1.0-1.5)DL	SB01	01.0-1.5	5/23/2003	Chrysene	170	D	µg/Kg	48,100
EC50-01-SB-001-(1.0-1.5)DL	SB01	01.0-1.5	5/23/2003	Pyrene	950	D	µg/Kg	1,720,000
EC50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Chrysene	130		µg/Kg	48,100
EC50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Pyrene	810		µg/Kg	1,720,000
EC50-01-SB-001-(8.0-8.5)DL	SB01	08.0-8.5	5/23/2003	Diesel Range Organics (C12-C24)	2000	D	mg/Kg	520
EC50-01-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/23/2003	Pyrene	140	J	µg/Kg	1,720,000
EC50-01-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/23/2003	Oil Range Organics (C24-C40)	52		mg/Kg	2,500
EC50-01-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/23/2003	2-Methylnaphthalene	1900		µg/Kg	NE
EC50-01-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/23/2003	Phenanthrene	2200		µg/Kg	1,830,000
EC50-01-SB-002(12.-12.5)DL	SB02	12.0-12.5	5/23/2003	Diesel Range Organics (C12-C24)	2300	D	mg/Kg	520
EC50-01-SB-002-(14.5-15.0)	SB02	14.5-15.0	5/23/2003	Diesel Range Organics (C12-C24)	18		mg/Kg	520
EC50-01-SB-003-(14.5-15.0)	SB03	14.5-15.0	5/23/2003	Oil Range Organics (C24-C40)	70		mg/Kg	2,500
EC50-01-SB-004-(7.5-8.0)DL	SB04	07.5-8.0	5/23/2003	Diesel Range Organics (C12-C24)	3200	D	mg/Kg	520
EC50-01-SB-004-(7.5-8.0)	SB04	07.5-8.0	5/23/2003	Oil Range Organics (C24-C40)	65		mg/Kg	2,500
EC50-01-SB-004(10.-10.5)DL	SB04	10.0-10.5	5/23/2003	Diesel Range Organics (C12-C24)	1900	D	mg/Kg	520
EC50-01-SB-004(14.5-15.)DL	SB04	14.5-15.0	5/23/2003	Diesel Range Organics (C12-C24)	3700	D	mg/Kg	520

TABLE 22. PRELIMINARY INVESTIGATION DETECTED RESULTS EC-50 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
EC50-01-SB-004-(14.5-15.0)	SB04	14.5-15.0	5/23/2003	Oil Range Organics (C24-C40)	83		mg/Kg	2,500
EC50-01-SB-005-(7.5-8.0)	SB05	07.5-8.0	5/23/2003	Diesel Range Organics (C12-C24)	220		mg/Kg	520
EC50-01-SB-005-(13.5-14)DL	SB05	13.5-14.0	5/23/2003	Diesel Range Organics (C12-C24)	1200	D	mg/Kg	520
EC50-01-SB-005-(14.5-15)	SB05	14.5-15.0	5/23/2003	Diesel Range Organics (C12-C24)	160		mg/Kg	520
EC50-01-SB-006 (3.5-4.0)DL	SB06	03.5-4.0	5/30/2003	Diesel Range Organics (C12-C24)	380	D	mg/Kg	520
EC50-01-SB-006 (7.5-8.0)	SB06	07.5-8.0	5/30/2003	Diesel Range Organics (C12-C24)	280		mg/Kg	520
EC50-01-SB-006 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	Diesel Range Organics (C12-C24)	810	D	mg/Kg	520
EC50-01-SB-106 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	Diesel Range Organics (C12-C24)	850	D	mg/Kg	520
EC50-01-SB-006 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	2-Methylnaphthalene	430	D	µg/Kg	NE
EC50-01-SB-006 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	Phenanthrene	580	D	µg/Kg	1,830,000
EC50-01-SB-106 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	2-Methylnaphthalene	480	D	µg/Kg	NE
EC50-01-SB-106 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	Phenanthrene	640	D	µg/Kg	1,830,000
EC50-01-SB-006 (14.5-15.0)	SB06	14.5-15.0	5/30/2003	2-Methylnaphthalene	420		µg/Kg	NE
EC50-01-SB-006 (14.5-15.0)	SB06	14.5-15.0	5/30/2003	Phenanthrene	560		µg/Kg	1,830,000
EC50-01-SB-106 (14.5-15.0)	SB06	14.5-15.0	5/30/2003	2-Methylnaphthalene	450		µg/Kg	NE
EC50-01-SB-106 (14.5-15.0)	SB06	14.5-15.0	5/30/2003	Phenanthrene	590		µg/Kg	1,830,000

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

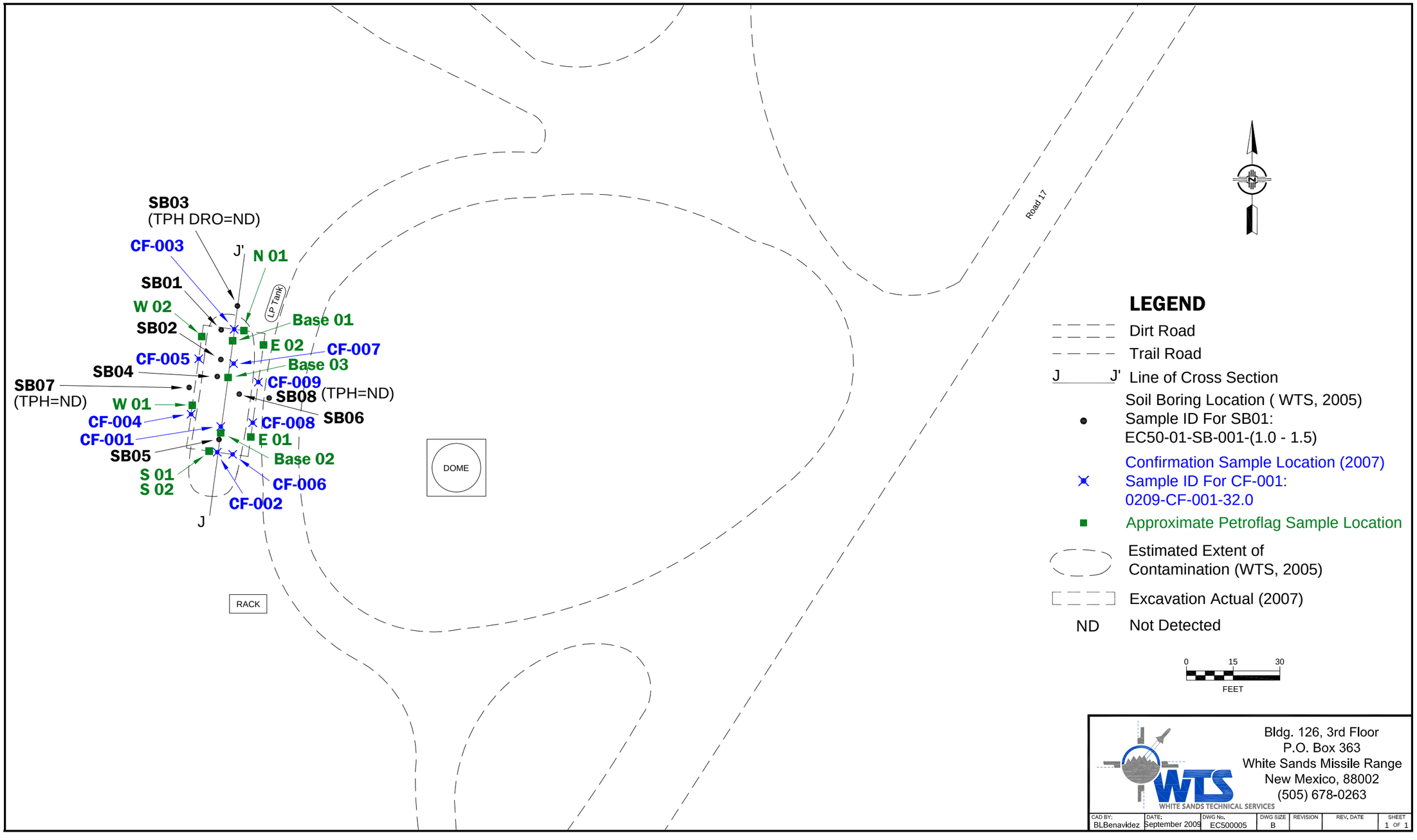

FIGURE 16. PLAN VIEW MAP OF THE EC-50 SITE.

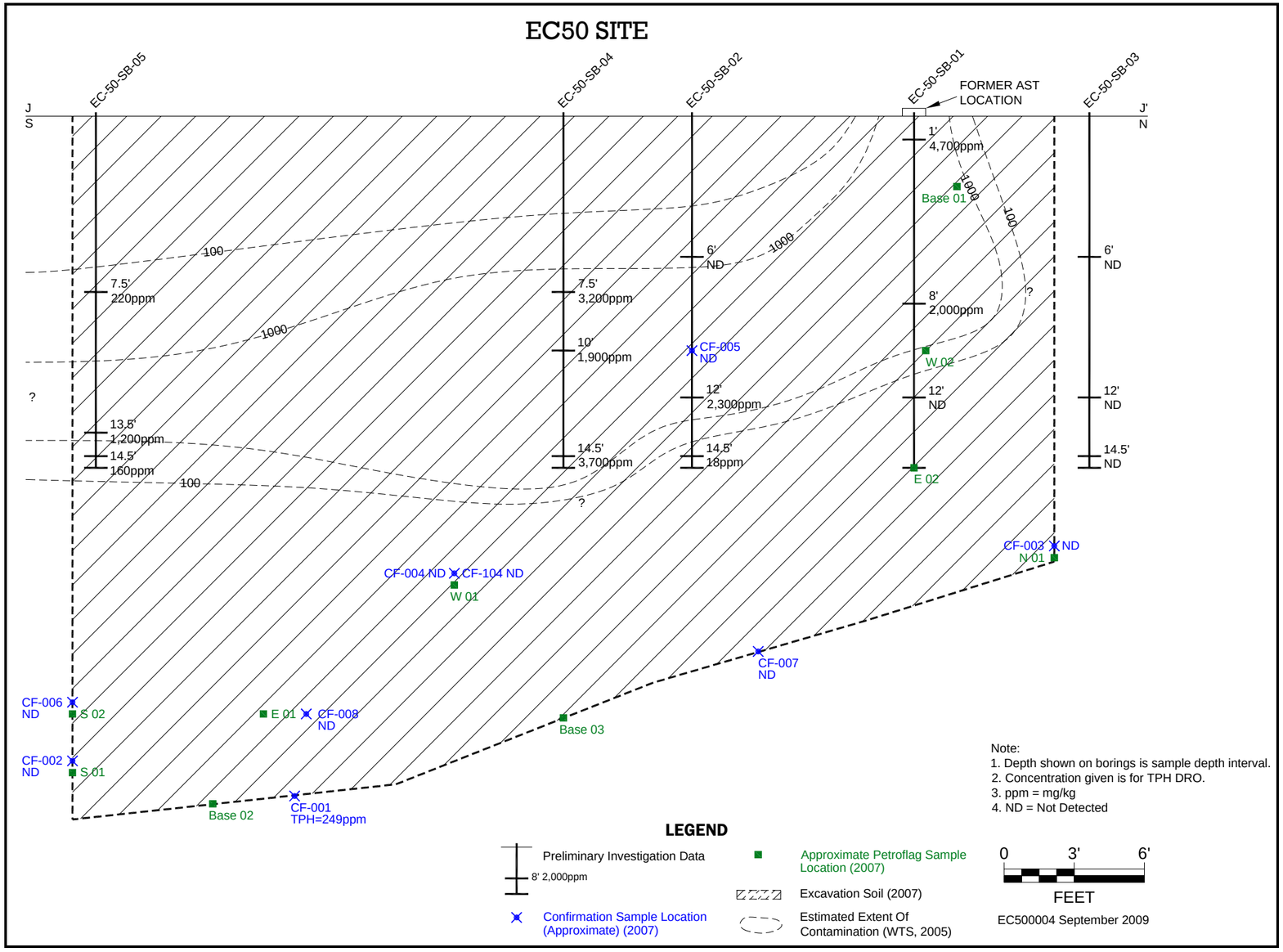

FIGURE 17. APPROXIMATE EXTENT OF EXCAVATIONS AT EC-50 SITE.
The final excavation dimensions were approximately 40 ft X 20 ft X 15-32 ft. Base of excavation slopes from 15 ft bgs at north end to 32 ft bgs at south end. Dashed line in figure denotes estimated extent of contamination from the work plan.

3.8.2 Results of Corrective Action

WSMR completed remediation at EC-50 from 26 June 2007 – 3 July 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation was delineated based on interpolation of results as outlined in the work plan. When site personnel determined contamination extending laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. Clean overburden was removed and set aside to use for backfill. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 17.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation was extended accordingly. Excavation at the site began using a backhoe. When it became obvious to site personnel that the excavation was extending beyond the original estimate, an excavator (trackhoe) was brought on site to complete excavation. Additionally, a Petroflag ® Test Kit was used to screen samples at the edges and base of the excavation. The excavation at the former AST at EC-50 was ultimately extended to a depth of approximately 32 ft bgs. The sides of the excavation measured approximately 40 ft X 20 ft. Ten test kits were run using the Petroflag ® system (table 23). Results ranged from 16 mg/kg to 2,526 mg/kg full range hydrocarbons, which was well below the 520 mg/kg TPH Screening Guideline. Following results of the Petroflag analysis, excavation at the site was halted. Photographs 39-42 show the EC-50 excavation. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2.

TABLE 23. PETROFLAG® FIELD SCREENING RESULTS FOR EC-50 SITE.

Field Sample Location (ID)	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Base sample north side at 3 feet (Base01)	2,526	Required further excavation
Base sample near to south wall at 32 feet (Base02)	95	No further excavation down
South side wall at 30 feet (S01)	82	No further excavation to south
North side wall at 20 feet (N01)	68	No further excavation to north
West side wall to south at 20 feet (W01)	112	No further excavation to west
West side wall to north at 10 feet (W02)	121	No further excavation west
South side wall at 25 feet (S02)	116	No further excavation to south
Base sample at 25 feet (Base03)	139	No further excavation down
East side wall to south at 25 feet (E01)	16	No further excavation to east
East side wall to north at 15 feet (E02)	78	No further excavation to east

PHOTOGRAPH 39. BEGINNING EXCAVATION AT THE EC-50 SITE.
Photograph taken looking north.

PHOTOGRAPH 40. COMPLETED EXCAVATION AT EC-50 SITE.
Photograph taken looking south-east.

PHOTOGRAPH 41. SOIL STAGING LOCATION AT EC-50.
Photograph taken looking south-west.

PHOTOGRAPH 42. EC-50 SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking south.

3.8.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from each site, it is reported that 880 cubic yards (above the estimate from the preliminary investigation of 280 cubic yards) of contaminated soil was removed from EC-50. This material was taken to DP-1051for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 1,500 mg/kg and was non-ignitable.

It is noted that on 2 July 2007, during the remediation of the EC-50 site, one load of diesel impacted soil (20 cubic yards) was unintentionally dumped near mile marker 24 on Highway 54 in New Mexico. This was the result of a tire blowout on the dump truck. The excavation subcontractor, Rhino Environmental Services, responded to the spill on 2 July 2007 and removed the impacted soil from the site for disposal at its land farming facility. Confirmation samples were collected from the site. All impacted areas along the highway having TPH concentrations greater than the background (> 50 ppm) were excavated on 30 July 2007. Additional confirmation samples were collected which indicate the impacted soils were removed from the area. Results of this incident are included in the summary report included in appendix A.

3.8.4 Verification of Remediation

To verify that clean-up objectives were met, WSMR collected confirmation soil samples and analyzed by Trace Analysis prior to excavation backfill. As stipulated in the work plan, site personnel collected samples from the bottom of the excavation, from each sidewall, and one duplicate sample per excavation. Samples taken from the excavation floors were collected as closely to the lateral centers of the diesel spills as possible. Samples taken from sidewalls were taken preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. The confirmation sample locations do not reflect contamination shown during the preliminary investigation. The preliminary investigation was only able to complete borings to a total depth of 14.5 feet due to push probe refusal at the site. During excavation, additional contamination was discovered and removed at a depth greater than 14.5 feet. The field crew made a determination to collect confirmation samples at the greater depths based on determination of contamination using the physical methods (visual and olfactory) and results of Petroflag ® analyses.

Due to the size of the excavation, site personnel collected additional samples than planned from the base and sidewalls of the excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to excavate the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 24. Detected organics are listed in table 25. No relevant data quality exceptions were noted that could mask VOC or SVOC detections. Additionally, WSMR collected an equipment blank using Type II water poured over the sample bowls following decontamination and analyzed. No contaminants of concern were detected that would indicate the sampling equipment would contaminate subsequent samples. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. Metals are not expected to be associated with diesel fuel, however, WSMR analyzed for RCRA metals to determine their concentrations at the site. TPH DRO was detected in one confirmation sample at a concentration of 249 mg/kg, below the TPH Screening Guideline of 520 mg/kg. TPH DRO was not detected at a reporting limit of 50 mg/kg in the remaining confirmation samples. No VOCs or SVOCs were detected in any confirmation samples from the EC-50 excavation with the exception of bis(2-ethylhexyl)phthalate. Bis(2-ethylhexyl)phthalate was detected at a highest concentration of 12.3 mg/kg in one confirmation sample. This detection is likely a laboratory artifact and not the result of contamination from the site. The NMED SSL for bis(2-ethylhexyl)phthalate (June 2006) is 347 mg/kg.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site.

TABLE 24. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS EC-50 SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0209-CF-001-32.0 base sample near south wall at 32 ft	249	<0.250	<2	11.2	<0.200	2.02	<0.040	<1.00	<2.00
0209-CF-002-30.0 South side wall sample at 30 ft	<50	<0.250	<2	49.1	<0.200	2.71	<0.040	<1.00	<2.00
0209-CF-003-20.0 North side wall sample at 20 ft	<50	<0.250	<2	175	0.711	8.72	<0.040	<1.00	<2.00
0209-CF-004-20.0 West side sample near south at 20 ft	<50	<0.250	<2	48.0	0.719	5.66	<0.040	<1.00	<2.00
0209-CF-104-20.0 Duplicate of -004	<50	<0.250	2.10	43.7	0.754	5.57	<0.040	<1.00	<2.00
0209-CF-005-10.0 West side sample near north at 10 ft	<50	<0.250	<2	40.7	0.382	4.63	<0.040	<1.00	<2.00
0209-CF-006-25.0 South side wall sample at 25 ft	<50	<0.250	<2	64.8	0.749	4.28	<0.040	<1.00	<2.00
0209-CF-007-15.0 base sample near north wall at approx. 22 ft. Original sample depth misreported.	<50	<0.250	<2	19.9	0.555	7.67	<0.040	<1.00	<2.00
0209-CF-008-25.0 East side wall sample near south wall at 25 ft	<50	<0.250	2.44	20.5	0.480	1.96	<0.040	<1.00	<2.00
0209-CF-009-15.0 East side wall sample near north wall at 15 ft	<50	<0.250	<2	109	0.436	5.73	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

TABLE 25. LABORATORY ORGANIC DETECTIONS EC-50 SITE

Sample ID	Test	Method	Units	Parameter	Result	SSL
0209-CF-003-20.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	12.3	347
0209-CF-104-20.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	0.594	347

3.9 Cowan Site (SWMU 211)

3.9.1 Preliminary Investigation (BAE Systems, 2003)

The Range-wide AST survey identified a surface stain beneath the former site of an AST at the Cowan site (SWMU 211; CCWS 37). Site personnel noted a stain on surface gravel during the preliminary investigation (photograph 43). Based on examination of cores from the preliminary investigation, soils at the site appear to be silty, fine-grained sands down to approximately 9 ft bgs to 12 ft bgs, with a compact, plastic clay layer with some gypsum underlying this layer down to at least 14 ft bgs. Approximate depth to ground water at this site is unknown.

WSMR completed 4 soil borings at this site during the preliminary investigation. Concentrations of DRO were quantified in the first boring (soil boring CWAN-SB-01), presumed to be the point of origin of the release.

A concentration of 11,000 mg/kg was reported for samples taken from both 2.5 ft bgs and 7.5 ft bgs in this boring. This exceeds the NMED TPH residential screening guideline for diesel fuel of 520 mg/kg. Analysis of sample from soil taken at 5 ft bgs in a boring made approximately 7.5 ft north-northeast of the first boring (soil boring CWAN-SB-03) reported a DRO concentration of 6,400 mg/kg, though no detections above the 12 mg/kg reporting limit were made in analysis of samples taken at 2 ft bgs and 12.5 ft bgs in this boring. No DRO was detected above reporting limits in soil borings CWAN-SB-02 and CWAN-SB-04.

PHOTOGRAPH 43. FORMER LOCATION OF AST, COWAN SITE.
Photograph taken looking east.

Extent of Contamination from the Preliminary Investigation

Cowan Site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 18 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. It was originally estimated that approximately 55 cubic yards of contaminated soil was beneath Cowan Site. Actual excavation dimensions are shown superimposed over the original estimate on figure 18. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 19. Table 26 lists detected analytes from the preliminary investigation. The full extent of contamination was not determined during the preliminary investigation. Further site characterization through soil sampling (with the exception of confirmation samples) was not completed. The determination of furthest extent of contamination and remediation was accomplished through excavation and soil removal (Section 3.9.2).

TABLE 26. PRELIMINARY INVESTIGATION DETECTED RESULTS COWAN SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
CWAN-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	NE
CWAN-01-SD-01	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	150		mg/Kg	520
CWAN-01-SD-01	NA	surface	5/7/2003	Oil Range Organics (C24-C40)	150		mg/Kg	2,500
CWAN-01-SB-001 (2.5-3.0)DL	SB01	02.5-3.0	5/21/2003	Diesel Range Organics (C12-C24)	11000	D	mg/Kg	520
CWAN-01-SB-001 (2.5-3.0)DL	SB01	02.5-3.0	5/21/2003	2-Methylnaphthalene	160	D	µg/Kg	NE
CWAN-01-SB-001 (2.5-3.0)DL	SB01	02.5-3.0	5/21/2003	Phenanthrene	1800	D	µg/Kg	1,830,000
CWAN-01-SB-001 (2.5-3.0)DL	SB01	02.5-3.0	5/21/2003	Pyrene	220	D	µg/Kg	1,720,000
CWAN-01-SB-001 (2.5-3.0)DL	SB01	02.5-3.0	5/21/2003	Chrysene	93	JD	µg/Kg	48,100
CWAN-01-SB-001 (2.5-3.0)	SB01	02.5-3.0	5/21/2003	Oil Range Organics (C24-C40)	230		mg/Kg	2,500
CWAN-01-SB-001 (2.5-3.0)	SB01	02.5-3.0	5/21/2003	2-Methylnaphthalene	120		µg/Kg	NE
CWAN-01-SB-001 (2.5-3.0)	SB01	02.5-3.0	5/21/2003	Chrysene	72		µg/Kg	48,100
CWAN-01-SB-001 (2.5-3.0)	SB01	02.5-3.0	5/21/2003	Phenanthrene	1500		µg/Kg	1,830,000
CWAN-01-SB-001 (2.5-3.0)	SB01	02.5-3.0	5/21/2003	Pyrene	220		µg/Kg	1,720,000
CWAN-01-SB-001 (7.5-8.0)DL	SB01	07.5-8.0	5/21/2003	Diesel Range Organics (C12-C24)	11000	D	mg/Kg	520

TABLE 26. PRELIMINARY INVESTIGATION DETECTED RESULTS COWAN SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
CWAN-01-SB-001 (7.5-8.0)DL	SB01	07.5-8.0	5/21/2003	2-Methylnaphthalene	7100	D	µg/Kg	NE
CWAN-01-SB-001 (7.5-8.0)DL	SB01	07.5-8.0	5/21/2003	Naphthalene	2400	D	µg/Kg	45,000
CWAN-01-SB-001 (7.5-8.0)DL	SB01	07.5-8.0	5/21/2003	Phenanthrene	5200	D	µg/Kg	1,830,000
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	2-Methylnaphthalene	6500	E	µg/Kg	NE
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	Phenanthrene	3700	E	µg/Kg	1,830,000
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	Chrysene	36	J	µg/Kg	48,100
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	Oil Range Organics (C24-C40)	190		mg/Kg	2,500
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	Naphthalene	2400		µg/Kg	45,000
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	o-Xylene	110		µg/Kg	9,550,000
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	Pyrene	75		µg/Kg	1,720,000
CWAN-01-SB-003 (5.0-5.5)DL	SB03	05.0-5.5	5/21/2003	Diesel Range Organics (C12-C24)	6400	D	mg/Kg	520
CWAN-01-SB-003 (5.0-5.5)	SB03	05.0-5.5	5/21/2003	Oil Range Organics (C24-C40)	89		mg/Kg	2,500

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

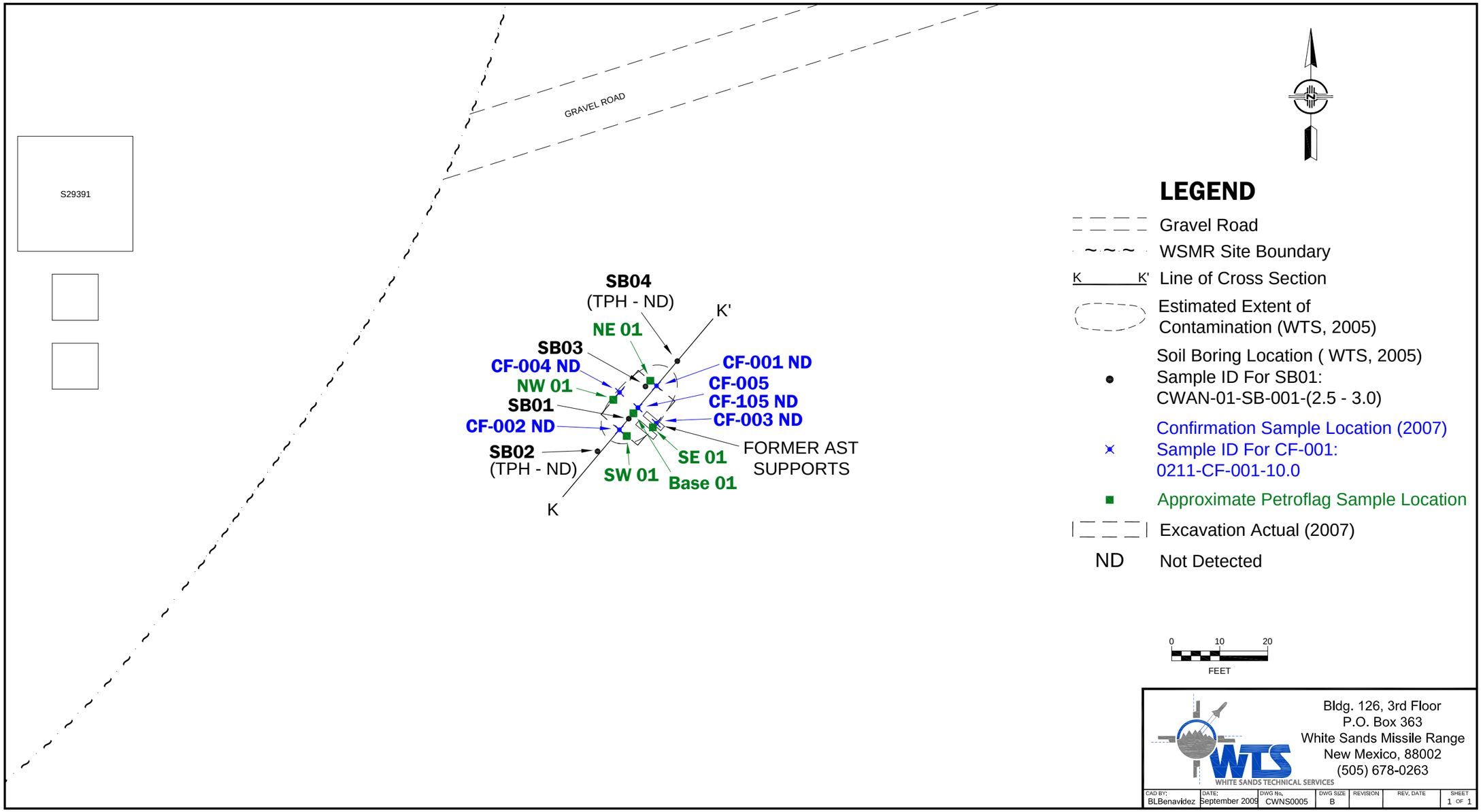

FIGURE 18. PLAN VIEW MAP OF THE COWAN SITE.

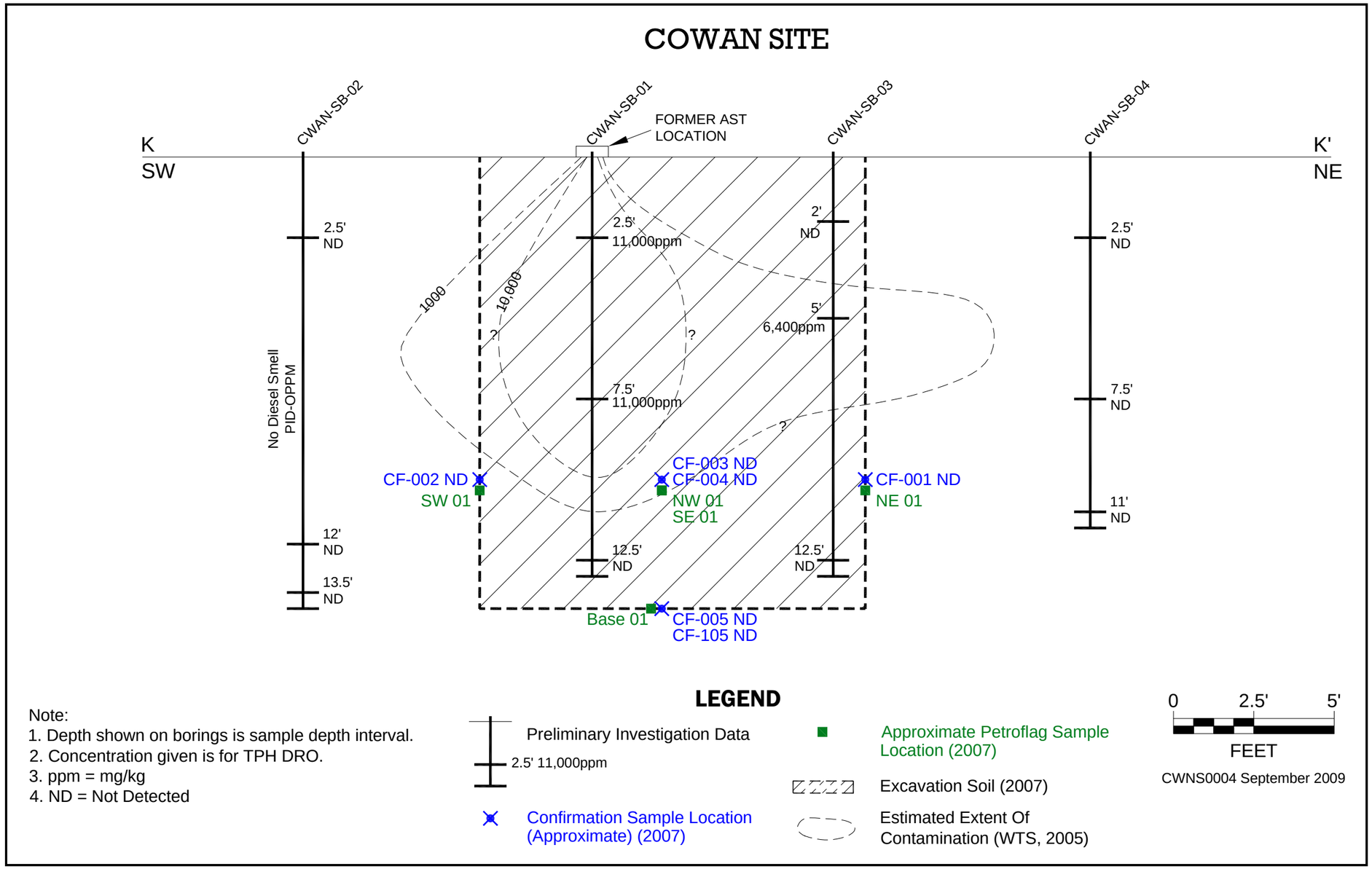

FIGURE 19. APPROXIMATE EXTENT OF EXCAVATIONS AT COWAN SITE.
The final excavation dimensions were approximately 12 ft X 10 ft X 14 ft.
Dashed line in figure denotes estimated extent of contamination from the work plan.

3.9.2 Results of Corrective Action

WSMR completed remediation at Cowan Site from 25-26 June 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation was delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, site personnel extended the excavation in the appropriate direction until no physical evidence remained of further contamination in that direction. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 19.

Physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) by site personnel were used to determine when contamination was still present in soil and the excavation extended accordingly. Additionally, a Petroflag ® Test Kit was used to screen samples at the edges and base of the excavation. Site personnel ultimately extended the excavation to a depth of approximately 14 ft bgs. The sides of the excavation measured 12 ft X 10 ft. Five test kits were run using the Petroflag ® system (table 27). Results ranged from 251 mg/kg to 330 mg/kg full range hydrocarbons, which was well below the 520 mg/kg TPH Screening Guideline. Following results of the Petroflag analysis, excavation at the site was halted. Photographs 44 and 45 show the Cowan excavation. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2 (photographs 46-47).

TABLE 27. PETROFLAG® FIELD SCREENING RESULTS FOR COWAN SITE.

Field Sample Location	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Base sample at 14 feet (Base01)	330	No further excavation
Southwest side wall at 10 feet (SW01)	251	No further excavation
Northeast side wall at 10 feet (SW01)	260	No further excavation
Southeast side wall at 10 feet (SE01)	254	No further excavation
Northwest side wall at 10 feet (NW01)	257	No further excavation

PHOTOGRAPH 44. BEGINNING EXCAVATION AT COWAN SITE.

PHOTOGRAPH 45. COMPLETED EXCAVATION AT COWAN SITE.
Photograph taken looking south-east.

PHOTOGRAPH 46. SOIL STAGING LOCATION AT COWAN.
Photograph taken looking north-east.

PHOTOGRAPH 47. COWAN SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking south-east.

3.9.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from Cowan Site, it is reported that 80 cubic yards of contaminated soil was removed. This material was taken to DP-1051for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 150 mg/kg and was non-ignitable.

3.9.4 Verification of Remediation

To verify that clean-up objectives were met, WSMR collected confirmation soil samples which were analyzed by Trace Analysis prior to excavation backfill. As stipulated in the work plan, samples were collected from the bottom of the excavation, one from each sidewall, and one duplicate sample per excavation. Samples taken from sidewalls were taken preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were not collected based solely on location of contamination shown in the preliminary investigation. As excavation progressed, contamination was discovered deeper than the 7.5 feet determined during the preliminary investigation. Therefore, the field crew made a determination to collect confirmation samples at the greater depths based on determination of contamination using the physical methods (visual and olfactory) and results of Petroflag ® analyses.

Site personnel collected confirmation samples directly from the backhoe bucket after directing the operator where to excavate the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl for prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were

analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 28. Organics detected in confirmation samples are listed in Table 29. No relevant data quality exceptions were noted that could mask VOC or SVOC detections. Additionally, site personnel collected equipment blank using Type II water poured over the sample bowls following decontamination and analyzed. No contaminants of concern were detected that would indicate the sampling equipment would contaminate subsequent samples. All confirmation sample laboratory results are included in appendix C.

With the exception of arsenic, results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. Arsenic was detected in the base sample at 4.72 mg/kg (NMED SSL = 3.9 mg/kg), however, this detection was from a sample at 14 ft depth which is well below the residential exposure scenario depth of 0 ft bgs to 2 ft bgs and is therefore of no concern. A pathway does not exist at this site for residential exposure to arsenic.

NMED describes construction worker exposure as exposures to surface and subsurface soils (at depths of zero to 10 feet below ground surface) during excavation, maintenance and building construction projects (intrusive operations). The highest detection of arsenic, sampled at 14 feet bgs is 4.72 mg/kg detection which is below the NMED SSL for construction worker of 17.7 mg/kg. Additionally, this depth is below the exposure depth of concern. A pathway for construction worker exposure to arsenic does not exist.

TPH DRO was not detected above the laboratory reporting limit of 50 mg/kg in any of the samples. No VOCs or SVOCs were detected in any confirmation samples from the Cowan excavation with the exception of bis(2-ethylhexyl)phthalate. Bis(2-ethylhexyl)phthalate was detected at 5.04 mg/kg in one confirmation sample. This detection is likely a laboratory artifact and not the result of contamination from the site. The NMED SSL for bis(2ethylhexyl)phthalate (June 2006) is 347 mg/kg.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at levels above regulatory concern.

TABLE 28. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS COWAN SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0211-CF-001-10.0 Northeast side wall sample at 10 ft	<50	<0.25	<2	40.9	<0.2	2.72	<0.04	<1	<2
0211-CF-002-10.0 Southwest side wall sample at 10 ft	<50	<0.25	<2	58.5	0.432	8.57	<0.04	<1	<2
0211-CF-003-10.0 Southeast side wall sample at 10 ft	<50	<0.25	<2	66.7	0.43	9.12	<0.04	<1	<2
0211-CF-004-10.0 Northwest side wall sample at 10 ft	<50	<0.25	2.83	78.4	0.543	8.6	<0.04	<1	<2
0211-CF-005-14.0 Base sample	<50	<0.25	4.72	140	0.767	10.4	<0.04	<1	<2
0211-CF-105-14.0 Duplicate of Base sample	<50	<0.25	4.31	140	0.759	10.4	<0.04	<1	<2

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

TABLE 29. LABORATORY ORGANIC DETECTIONS COWAN SITE.						
Sample ID	**Test**	**Method**	**Units**	**Parameter**	**Result**	**SSL**
0211-CF-005-14.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	5.04	347
0211-CF-105-14.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	1.76	347

3.10 Gran Jean Site (SWMU 213)

3.10.1 Preliminary Investigation (BAE Systems, 2003)

The AST survey identified surface stains beneath the former location of an AST at Gran Jean Site (SWMU 213; CCWS 38). Site personnel identified stained soils during the preliminary investigation (photograph 48). Based on WSMR's examination of cores from the direct push probe, the upper 3 ft of soil at the site consisted of silty, fine to medium-grained sands. Underlying this layer is an approximately 5-ft thick layer of silty fine-grained- sand with clay and caliche. Beneath this layer, soils are medium to coarse-grained sands down to 15 ft bgs. Approximate depth to ground water at this site is unknown.

PHOTOGRAPH 48.
STAINED SOILS AT LOCATION OF FORMER AST, GRAN JEAN SITE.

WSMR initially completed four soil borings at this site using the direct push geoprobe, with an additional three borings being made in a follow-up sampling event one week later. Concentrations of DRO were quantified as high as 14,000 mg/kg in the first boring (soil boring GRJN-SB-01), made at the presumed point of origin of the release. Quantifications of DRO above screening guidelines were also made in samples taken from a boring (soil boring GRJN-SB-04) approximately 10 ft south of the initial boring and another boring located approximately 10 ft east of the initial boring (soil boring GRJN-SB-02).

Extent of Contamination from the Preliminary Investigation

Gran Jean Site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 20 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. It was originally estimated that approximately 510 cubic yards of contaminated soil was beneath Gran Jean Site. Actual excavation dimensions are shown superimposed over the original estimate on figure 20. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 21. Table 30 lists detected analytes from the preliminary investigation. The full extent of contamination was not determined during the preliminary investigation. Further site characterization through soil sampling (with the exception of confirmation samples) was not completed. The determination of furthest extent of contamination and remediation was accomplished through excavation and soil removal (Section 3.10.2).

TABLE 30. PRELIMINARY INVESTIGATION DETECTED RESULTS GRAN JEAN SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
GRJN-01-SD-01	NA	surface	5/6/2003	Flash Point (Setaflash)	200	>	degrees F	NE
GRJN-01-SD-01	NA	surface	5/6/2003	Diesel Range Organics (C12-C24)	35		mg/Kg	520
GRJN-01-SD-01	NA	surface	5/6/2003	Oil Range Organics (C24-C40)	140		mg/Kg	2,500
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Diesel Range Organics (C12-C24)	14000	D	mg/Kg	520
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	2-Methylnaphthalene	32000	D	µg/Kg	NE
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Acenaphthene	970	D	µg/Kg	3,440,000
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Fluorene	1500	D	µg/Kg	2,290,000
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Naphthalene	4100	D	µg/Kg	45,000
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Phenanthrene	13000	D	µg/Kg	1,830,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	2-Methylnaphthalene	38000	E	µg/Kg	NE
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Oil Range Organics (C24-C40)	240		mg/Kg	2,500
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Acenaphthene	760		µg/Kg	3,440,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Fluoranthene	230		µg/Kg	2,290,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Fluorene	1300		µg/Kg	2,290,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Naphthalene	3900		µg/Kg	45,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Phenanthrene	11000		µg/Kg	1,830,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Pyrene	550		µg/Kg	1,720,000
GRJN-01-SB-001-(11.5-12)DL	SB01	11.5-12.0	5/27/2003	Diesel Range Organics (C12-C24)	9500	D	mg/Kg	520
GRJN-01-SB-001-(11.5-12)DL	SB01	11.5-12.0	5/27/2003	2-Methylnaphthalene	53000	D	µg/Kg	NE
GRJN-01-SB-001-(11.5-12)DL	SB01	11.5-12.0	5/27/2003	Naphthalene	7400	D	µg/Kg	45,000
GRJN-01-SB-001-(11.5-12)DL	SB01	11.5-12.0	5/27/2003	Phenanthrene	11000	D	µg/Kg	1,830,000
GRJN-01-SB-001-(11.5-12.0)	SB01	11.5-12.0	5/27/2003	2-Methylnaphthalene	49000	E	µg/Kg	NE
GRJN-01-SB-001-(11.5-12.0)	SB01	11.5-12.0	5/27/2003	Oil Range Organics (C24-C40)	120		mg/Kg	2,500
GRJN-01-SB-001-(11.5-12.0)	SB01	11.5-12.0	5/27/2003	Naphthalene	8200		µg/Kg	45,000
GRJN-01-SB-001-(11.5-12.0)	SB01	11.5-12.0	5/27/2003	Phenanthrene	9900		µg/Kg	1,830,000
GRJN-01-SB-001-(14.5-15)DL	SB01	14.5-15.0	5/27/2003	Diesel Range Organics (C12-C24)	1600	D	mg/Kg	520

TABLE 30. PRELIMINARY INVESTIGATION DETECTED RESULTS GRAN JEAN SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
GRJN-01-SB-001-(14.5-15)DL	SB01	14.5-15.0	5/27/2003	2-Methylnaphthalene	3100	D	µg/Kg	NE
GRJN-01-SB-001-(14.5-15)DL	SB01	14.5-15.0	5/27/2003	Naphthalene	160	D	µg/Kg	45,000
GRJN-01-SB-001-(14.5-15)DL	SB01	14.5-15.0	5/27/2003	Phenanthrene	1600	D	µg/Kg	1,830,000
GRJN-01-SB-001-(14.5-15.0)	SB01	14.5-15.0	5/27/2003	2-Methylnaphthalene	3000	E	µg/Kg	NE
GRJN-01-SB-001-(14.5-15.0)	SB01	14.5-15.0	5/27/2003	Fluoranthene	35		µg/Kg	2,290,000
GRJN-01-SB-001-(14.5-15.0)	SB01	14.5-15.0	5/27/2003	Naphthalene	170		µg/Kg	45,000
GRJN-01-SB-001-(14.5-15.0)	SB01	14.5-15.0	5/27/2003	Phenanthrene	1500		µg/Kg	1,830,000
GRJN-01-SB-001-(14.5-15.0)	SB01	14.5-15.0	5/27/2003	Pyrene	37		µg/Kg	1,720,000
GRJN-01-SB-002-(7.5-8.0)DL	SB02	07.5-8.0	5/27/2003	Diesel Range Organics (C12-C24)	13000	D	mg/Kg	520
GRJN-01-SB-002-(7.5-8.0)	SB02	07.5-8.0	5/27/2003	Oil Range Organics (C24-C40)	71		mg/Kg	2,500
GRJN-01-SB-002(13.5-14.)DL	SB02	13.5-14.0	5/27/2003	Diesel Range Organics (C12-C24)	14000	D	mg/Kg	520
GRJN-01-SB-102-(13.5-14)DL	SB02	13.5-14.0	5/27/2003	Diesel Range Organics (C12-C24)	18000	D	mg/Kg	520
GRJN-01-SB-002-(13.5-14.0)	SB02	13.5-14.0	5/27/2003	Oil Range Organics (C24-C40)	110		mg/Kg	2,500
GRJN-01-SB-102-(13.5-14.0)	SB02	13.5-14.0	5/27/2003	Oil Range Organics (C24-C40)	480		mg/Kg	2,500
GRJN-01-SB-003-(10.0-10.5)	SB03	10.0-10.5	5/27/2003	Diesel Range Organics (C12-C24)	20		mg/Kg	520
GRJN-01-SB-004-(7.5-8.0)DL	SB04	07.5-8.0	5/27/2003	Diesel Range Organics (C12-C24)	570	D	mg/Kg	520
GRJN-01-SB-004(10.5-11)DL	SB04	10.5-11.0	5/27/2003	Diesel Range Organics (C12-C24)	1500	D	mg/Kg	520
GRJN-01-SB-004-(14.0-14.5)	SB04	14.0-14.5	5/27/2003	Acetone	8	J	µg/Kg	67,500,000
GRJN-01-SB-004-(14.0-14.5)	SB04	14.0-14.5	5/27/2003	Diesel Range Organics (C12-C24)	31		mg/Kg	520
GRJN-01-SB-004-(14.0-14.5)	SB04	14.0-14.5	5/27/2003	Phenanthrene	48		µg/Kg	1,830,000

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

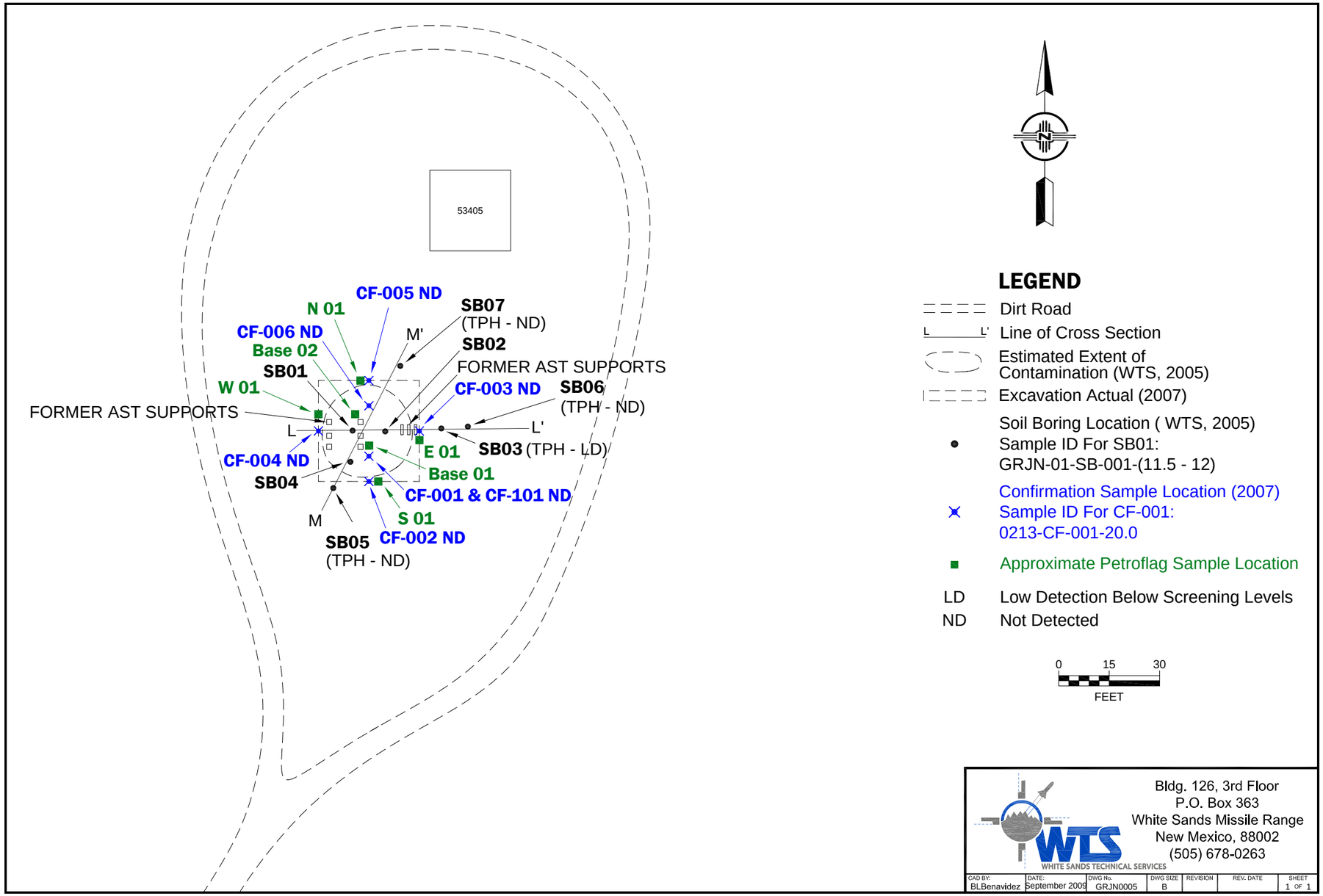

FIGURE 20. PLAN VIEW MAP OF THE GRAN JEAN SITE

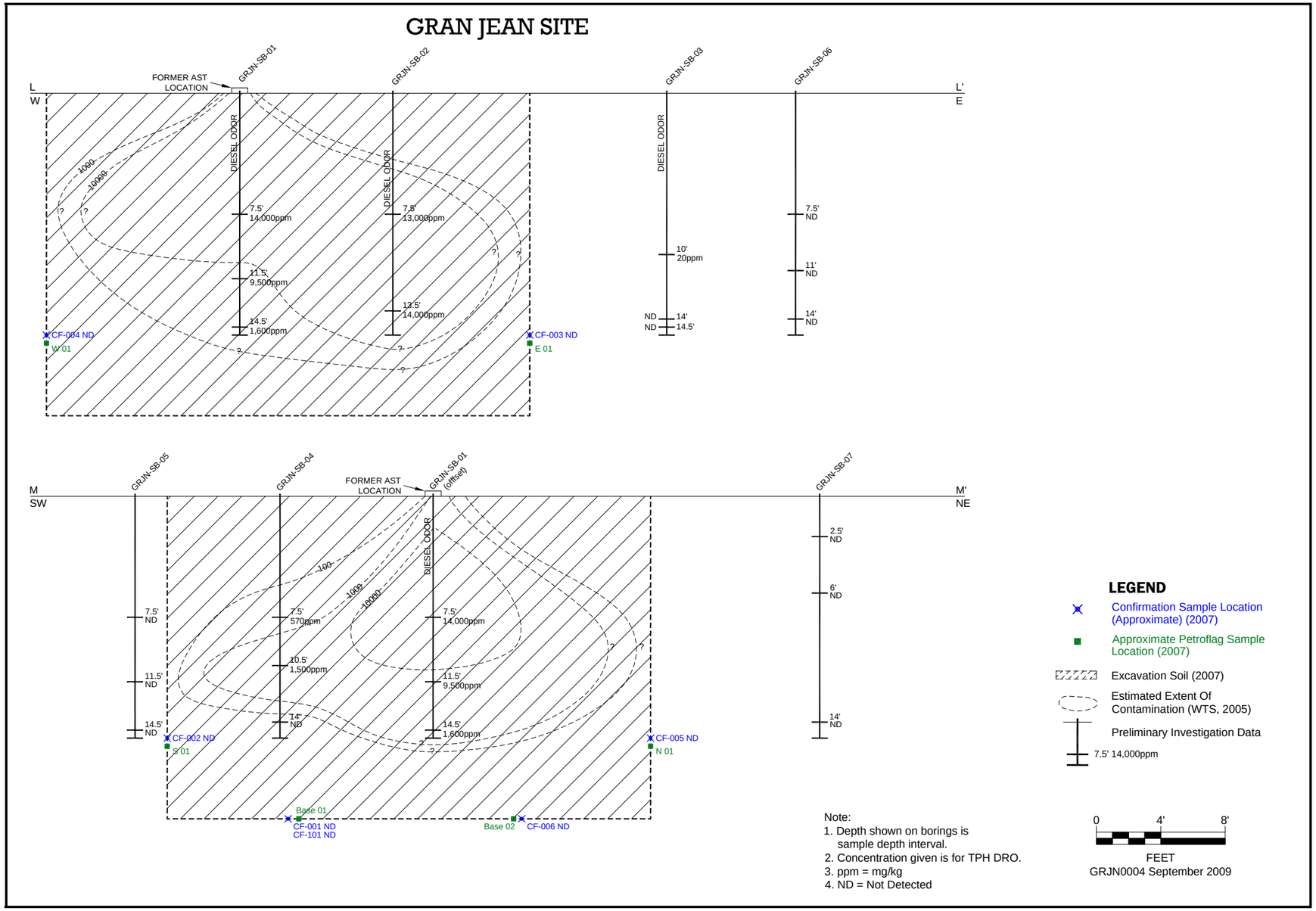

FIGURE 21. APPROXIMATE EXTENT OF EXCAVATIONS AT GRAN JEAN SITE.
The final excavation dimensions were approximately 30 ft X 30 ft X 20 ft. Dashed line in figure denotes estimated extent of contamination from the work plan.

3.10.2 Results of Corrective Action

WSMR completed remediation at Gran Jean Site from 12 July 2007 – 23 July 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation were delineated by site personnel based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. Clean overburden (approximately 200 cubic yards) was removed and set aside to use for backfill. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 21.

Physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) by site personnel were used to determine when contamination was still present in soil and the excavation extended accordingly. Site personnel completed excavation at the site using an excavator (trackhoe). Additionally, a Petroflag ® Test Kit was used to screen samples at the edges and base of the excavation. The excavation at the former AST at Gran Jean was ultimately extended to a depth of approximately 20 ft bgs. The sides of the excavation measured approximately 30 ft X 30 ft. Six test kits were run using the Petroflag ® system (table 31). Results ranged from 31 mg/kg to 162 mg/kg full range hydrocarbons, a reading which was well below the 520 mg/kg TPH Screening Guideline. Following results of the Petroflag analysis, excavation at the site was halted. Site personnel completed soil staging, transport, backfill, and grading as described in Sections 3.2.2.1 and 3.2.2.2. Photographs 49-52 show the Gran Jean excavation.

TABLE 31. PETROFLAG® FIELD SCREENING RESULTS FOR GRAN JEAN SITE.

Field Sample Location	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Base sample near to south at 20 feet (Base01)	91	No further excavation
South side wall at 15 feet (S01)	60	No further excavation
East side wall at 15 feet (E01)	31	No further excavation
West side wall at 15 feet (W01)	42	No further excavation
North side wall at 15 feet (N01)	82	No further excavation
Base sample near to north at 20 feet (Base02)	162	No further excavation

PHOTOGRAPH 49. BEGINNING EXCAVATION AT THE GRAN JEAN SITE.
Photograph taken looking north.

PHOTOGRAPH 50. COMPLETED EXCAVATION AT GRAN JEAN SITE.
Photograph taken looking south.

PHOTOGRAPH 51. SOIL STAGING LOCATION AT GRAN JEAN.
Photograph taken looking east.

PHOTOGRAPH 52. GRAN JEAN SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking south-west.

3.10.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from each site, it is reported that 820 cubic yards of contaminated soil was removed from Gran Jean which was above the estimated cubic yardage of 510 based on the preliminary investigation. This material was taken to a DP-1051for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 35 mg/kg and was non-ignitable.

3.10.4 Verification of Remediation.

To verify that clean-up objectives were met, site personnel collected confirmation soil samples which were analyzed by Trace Analysis prior to excavation backfill. As stipulated in the work plan, samples were collected from the bottom of the excavation, from each sidewall, and one duplicate sample per excavation. Samples taken from the excavation floors were collected as closely to the lateral centers of the diesel spills as possible. Samples taken from sidewalls were taken preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were not collected based entirely on results of the preliminary investigation. As excavation progressed, contamination was discovered deeper than the 7.5 feet to 14.5 feet determined for contamination during the preliminary investigation (due to push probe refusal). Therefore, the field crew made a determination to collect confirmation samples at the greater depths based on determination of contamination using the physical methods (visual and olfactory) and results of Petroflag ® analyses.

Site personnel collected confirmation samples directly from the backhoe bucket after directing the operator where to excavate the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. There were no significant detections of VOCs or SVOCs from the site. Confirmation sample results for TPH DRO and RCRA metals are listed in table 32. Table 33 lists detected organics from confirmation samples. No relevant data quality exceptions were noted that could mask VOC or SVOC detections. Additionally, site personnel collected an equipment

blank using Type II water poured over the sample bowls following decontamination. No contaminants of concern were detected that would indicate the sampling equipment would contaminate subsequent samples. All confirmation sample laboratory results are included in appendix C.

TABLE 32. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS GRAN JEAN SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0213-CF-001-20.0 Base sample near south wall at 20 ft	<50	<0.250	3.44	199	0.690	11.7	<0.040	<1.00	<2.00
0213-CF-101-20.0 duplicate of -001	<50	<0.250	3.37	110	0.722	12.6	<0.040	<1.00	<2.00
0213-CF-002-15.0 South side wall sample at 15 ft	<50	<0.250	<2	63.5	0.316	2.63	<0.040	<1.00	<2.00
0213-CF-003-15.0 East side wall sample at 15 ft	<50	<0.250	<2	112	0.220	2.80	<0.040	<1.00	<2.00
0213-CF-004-15.0 West side wall sample at 15 ft	<50	<0.250	<2	39.8	0.267	2.05	<0.040	<1.00	<2.00
0213-CF-005-15.0 North side wall sample at 15 ft	<50	<0.250	<2	57.4	0.317	2.68	<0.040	1.00	<2.00
0213-CF-006-20.0 Base sample near north wall at 20 ft	<50	<0.250	3.46	151	0.589	12.3	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. Metals are not expected to be associated with diesel fuel, however, WSMR analyzed for RCRA metals to determine their concentrations at the site. TPH DRO was not detected in the confirmation samples at a reporting limit of 50 mg/kg. No VOCs or SVOCs were detected in any confirmation samples from the EC-50 excavation with the exception of bis (2-ethylhexyl)phthalate. Bis(2-ethylhexyl)phthalate was detected at a highest concentration of 0.511 mg/kg in one confirmation sample. This detection is likely a laboratory artifact and not the result of contamination from the site. The NMED SSL for bis(2ethylhexyl)phthalate (June 2006) is 347 mg/kg.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site.

TABLE 33. LABORATORY ORGANIC DETECTIONS GRAN JEAN SITE.

Sample ID	Test	Method	Units	Parameter	Result	SSL
0213-CF-006-20.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	0.511	347

3.11 NE-50 Site (SWMU 214)

3.11.1 Preliminary Investigation (BAE Systems, 2003)

The AST survey identified surface stains beneath the location of a former AST at the NE-50 site (SWMU 214; CCWS 39). Site personnel identified a small stained area during the preliminary investigation (photograph 53). Based on examination of cores from the direct push probe, portions of the NE-50 site appear to have a layer of gravel fill up to one-foot thick overlying fine to medium-grained sands with some silt and clay. The clay content increases with depth, and predominantly clay soils were encountered at 6 ft bgs in one boring. The geoprobe encountered repeated refusals before target depths were reached, resulting in a maximum depth of exploration of 8 ft bgs. Approximate depth to ground water at this site is unknown.

WSMR completed 4 soil borings at this site using the direct push geoprobe. Concentrations of DRO were quantified as high as 11,000 mg/kg in samples from the first boring (soil boring NE-50-SB-01), presumed to be made at the point of origin of the release. Samples taken from this borehole all had DRO levels above the NMED residential TPH screening guideline of 520 mg/kg for diesel fuel, and the highest concentration was detected in the maximum depth explored (7.5 ft bgs).

PHOTOGRAPH 53. FORMER LOCATION OF AST, NE-50 SITE.
Photograph taken looking east.

Extent of Contamination from the Preliminary Investigation

The NE-50 site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 22 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the original estimated horizontal extent of contamination based on the preliminary investigation. WSMR originally estimated that approximately 55 cubic yards of contaminated soil was beneath the NE-50 site. Actual excavation dimensions are shown superimposed over the original estimate on figure 22. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 23. Table 34 lists detected analytes from the preliminary investigation. The full extent of contamination was not determined during the preliminary investigation. Further site characterization through soil sampling (with the exception of confirmation samples) was not completed. The determination of furthest extent of contamination and remediation was accomplished through excavation and soil removal (Section 3.11.2).

TABLE 34. PRELIMINARY INVESTIGATION DETECTED RESULTS NE-50 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
NE50-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	69,600
NE50-01-SD-01DL	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	1800	D	mg/Kg	520
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Diesel Range Organics (C12-C24)	2200	D	mg/Kg	520
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Oil Range Organics (C24-C40)	16000	D	mg/Kg	2,500
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	2-Methylnaphthalene	130	J	µg/Kg	NE
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Fluorene	84	J	µg/Kg	2,290,000
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Phenanthrene	93	J	µg/Kg	1,830,000
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Pyrene	91	J	µg/Kg	1,720,000
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	Fluorene	90	J	µg/Kg	2,290,000
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	Phenanthrene	91	J	µg/Kg	1,830,000
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	Pyrene	90	J	µg/Kg	1,720,000
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Acenaphthene	190		µg/Kg	3,440,000
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Chrysene	860		µg/Kg	48,100
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	2-Methylnaphthalene	150		µg/Kg	NE
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	Acenaphthene	200		µg/Kg	3,440,000
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	Chrysene	980		µg/Kg	48,100
NE50-01-SB-001-(5.0-5.5)DL	SB01	05.0-5.5	5/23/2003	Diesel Range Organics (C12-C24)	5200	D	mg/Kg	520
NE50-01-SB-001-(5.0-5.5)DL	SB01	05.0-5.5	5/23/2003	2-Methylnaphthalene	32000	D	µg/Kg	NE
NE50-01-SB-001-(5.0-5.5)DL	SB01	05.0-5.5	5/23/2003	Naphthalene	3100	D	µg/Kg	45,000
NE50-01-SB-001-(5.0-5.5)DL	SB01	05.0-5.5	5/23/2003	Phenanthrene	6000	D	µg/Kg	1,830,000
NE50-01-SB-001-(5.0-5.5)	SB01	05.0-5.5	5/23/2003	2-Methylnaphthalene	24000	E	µg/Kg	NE
NE50-01-SB-001-(5.0-5.5)	SB01	05.0-5.5	5/23/2003	m,p-Xylene	110	J	µg/Kg	1,090,000
NE50-01-SB-001-(5.0-5.5)	SB01	05.0-5.5	5/23/2003	o-Xylene	140	P	µg/Kg	9,550,000

TABLE 34. PRELIMINARY INVESTIGATION DETECTED RESULTS NE-50 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
NE50-01-SB-001-(5.0-5.5)	SB01	05.0-5.5	5/23/2003	Naphthalene	3100		µg/Kg	45,000
NE50-01-SB-001-(5.0-5.5)	SB01	05.0-5.5	5/23/2003	Phenanthrene	5200		µg/Kg	1,830,000
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	Diesel Range Organics (C12-C24)	11000	D	mg/Kg	520
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	2-Methylnaphthalene	74000	D	µg/Kg	NE
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	Acenaphthene	2700	D	µg/Kg	3,440,000
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	Fluorene	2000	D	µg/Kg	2,290,000
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	Naphthalene	12000	D	µg/Kg	45,000
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	Phenanthrene	11000	D	µg/Kg	1,830,000
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	2-Methylnaphthalene	49000	E	µg/Kg	NE
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	Naphthalene	13000	E	µg/Kg	45,000
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	Pyrene	130	J	µg/Kg	1,720,000
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	Acenaphthene	2100		µg/Kg	3,440,000
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	Fluorene	1100		µg/Kg	2,290,000
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	m,p-Xylene	140		µg/Kg	1,090,000
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	o-Xylene	170		µg/Kg	9,550,000
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	Phenanthrene	9100		µg/Kg	1,830,000
NE50-01-SB-002-(4.0-4.5)	SB02	04.0-4.5	5/23/2003	Diesel Range Organics (C12-C24)	51		mg/Kg	520
NE50-01-SB-003-(4.0-4.5)	SB03	04.0-4.5	5/23/2003	Diesel Range Organics (C12-C24)	19		mg/Kg	520

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

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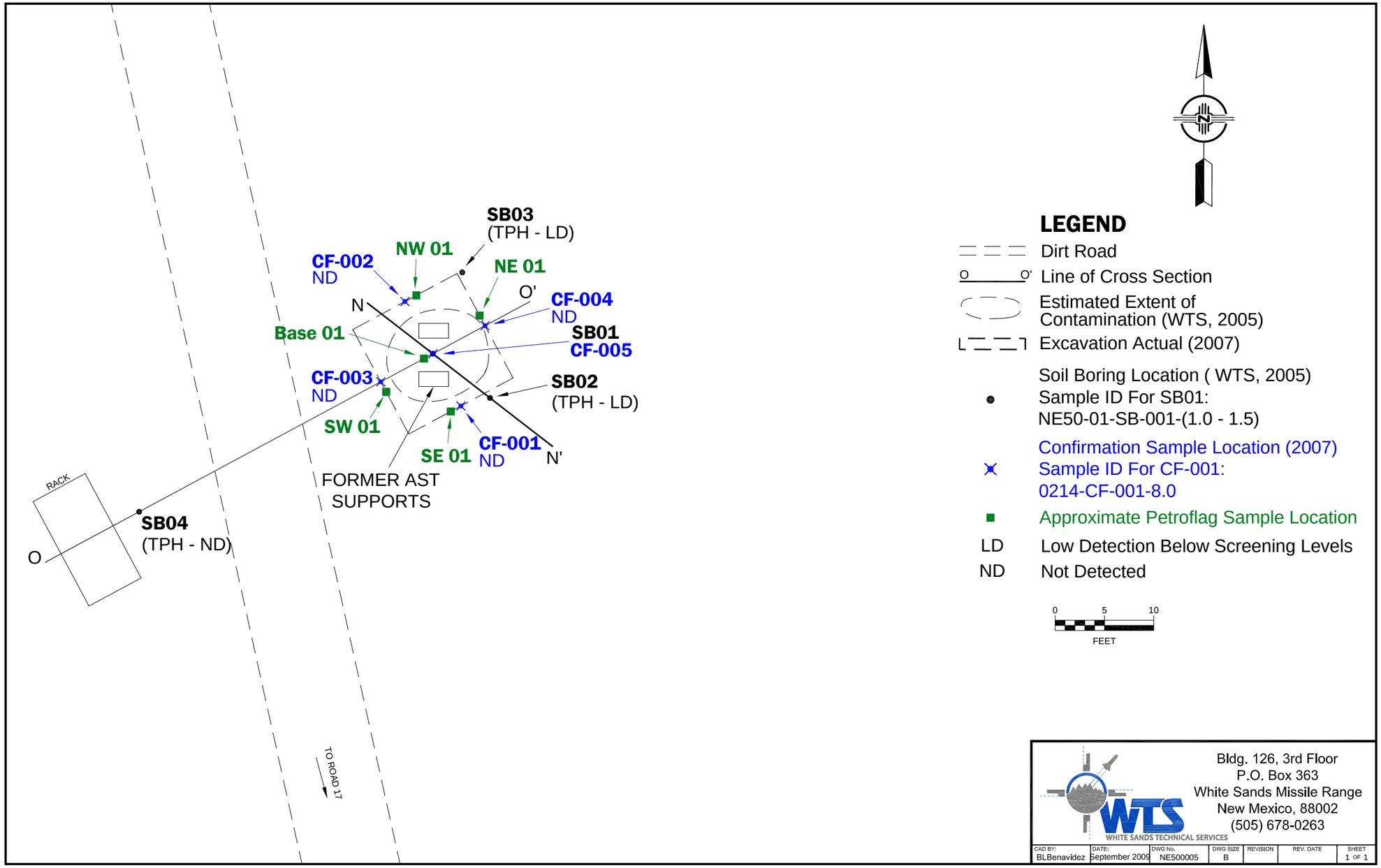

FIGURE 22. PLAN VIEW MAP OF THE NE-50 SITE.

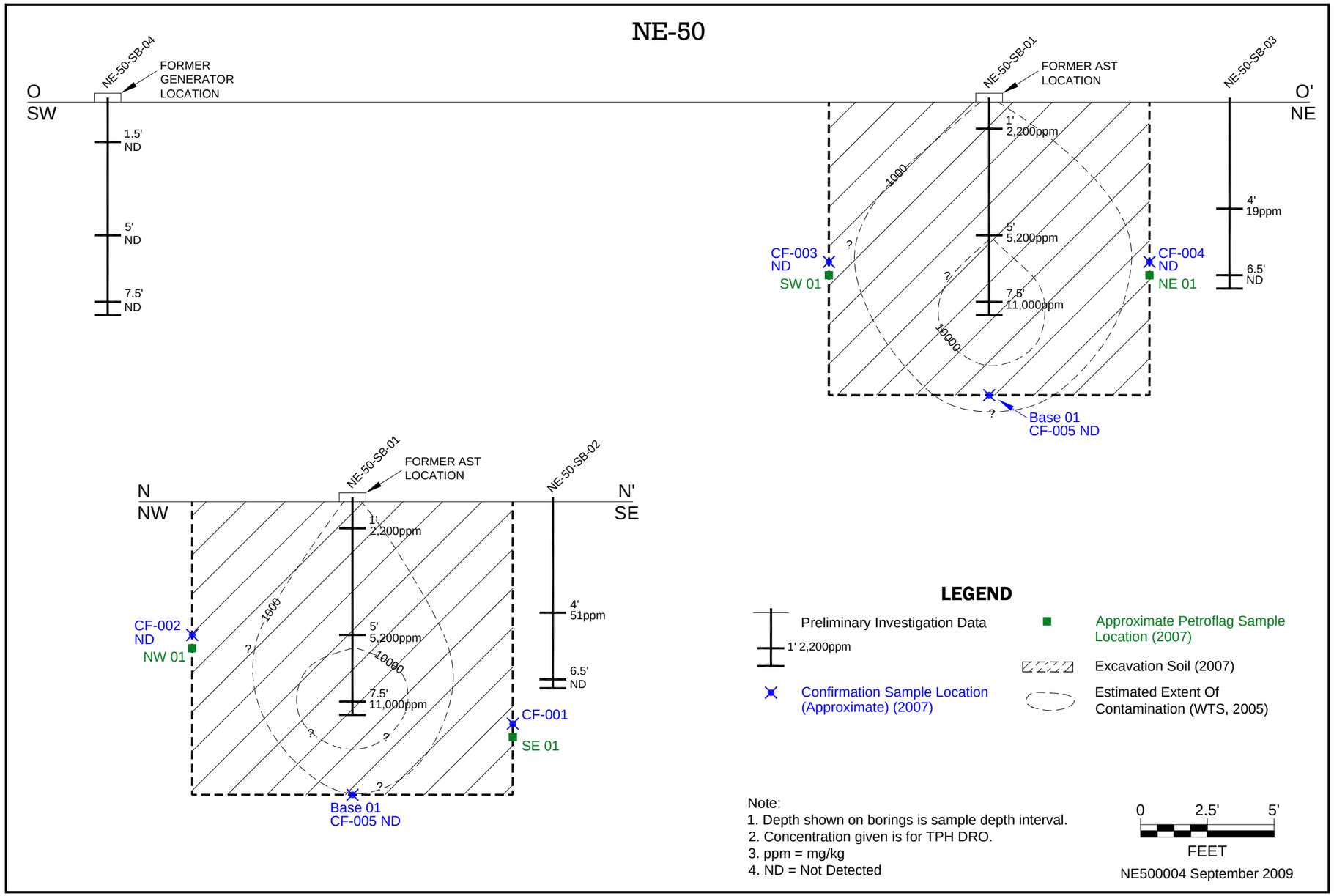

FIGURE 23. APPROXIMATE EXTENT OF EXCAVATIONS AT NE-50 SITE.
The final excavation dimensions were approximately 12 ft X 12 ft X 11 ft. Dashed line in figure denotes estimated extent of contamination from the work plan.

3.11.2 Results of Corrective Action

WSMR completed remediation at NE-50 on 5 July 2007 with backfilling on 10 July 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation was delineated based on interpolation of results as outlined in the work plan. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 23.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. Excavation at the site was accomplished using a backhoe. Additionally, personnel used a Petroflag ® Test Kit to screen samples at the edges and base of the excavation. The excavation at the former AST at NE-50 was ultimately extended to a depth of approximately 11 ft bgs. The sides of the excavation measured approximately 12 ft X 12 ft. Six test kits were run using the Petroflag ® system (table 35). Results ranged from 47 mg/kg to 119 mg/kg full range hydrocarbons, which was well below the 520 mg/kg TPH Screening Guideline. Following results of the Petroflag analysis, excavation at the site was halted. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2. Photographs 54-56 show the NE-50 excavation.

TABLE 35. PETROFLAG® FIELD SCREENING RESULTS FOR NE-50 SITE.

Field Sample Location	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Base sample at 11 feet (Base01)	47	No further excavation
Southwest side wall at 6 feet (SW01)	63	No further excavation
Southeast side wall at 8 feet (SE01)	67	No further excavation
Northwest side wall at 5 feet (NW01)	49	No further excavation
Northeast side wall at 6 feet (NE01)	119	No further excavation

PHOTOGRAPH 54. BEGINNING EXCAVATION AT THE NE-50 SITE; SOIL STAGING SHOWN.
Photograph taken looking south-west.

PHOTOGRAPH 55. COMPLETED EXCAVATION AT NE-50 SITE.

PHOTOGRAPH 56. NE-50 SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking west.

3.11.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from each site, researchers reported that 80 cubic yards of contaminated soil was removed from NE-50 above the estimate from the preliminary investigation of 55 cubic yards. This material was taken to DP-1051 for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 1,800 mg/kg and was non-ignitable.

3.11.4 Verification of Remediation

To verify that clean-up objectives were met, site personnel collected confirmation soil samples which were analyzed by Trace Analysis prior to excavation backfill. As stipulated in the work plan, samples were collected from the bottom of the excavation, from each sidewall, and one duplicate sample per excavation. Samples taken from the excavation floors were collected as closely to the lateral center of the diesel spill as possible. Samples taken from sidewalls were taken preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to collect the sample. Site personnel collected discrete soil samples from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals.

Confirmation sample results for TPH DRO and RCRA metals are listed in table 36. Additionally, site personnel collected an equipment blank using Type II water poured over the sample bowls following decontamination and analyzed. No contaminants of concern were detected that would indicate the sampling equipment would contaminate subsequent samples. All confirmation sample laboratory results are included in appendix C.

TABLE 36. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS NE-50 SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0214-CF-001-8.0 Southeast side wall sample at 8 ft	<50	<0.250	<2	88.7	0.499	7.25	<0.040	<1.00	<2.00
0214-CF-002-5.0 Northwest side wall sample at 5 ft	<50	<0.250	2.62	67.3	0.464	7.15	<0.040	<1.00	<2.00
0214-CF-003-6.0 Southwest side wall sample at 6 ft	<50	<0.250	2.59	86.1	0.457	8.71	<0.040	<1.00	<2.00
0214-CF-004-6.0 Northeast side wall sample at 6 ft	<50	<0.250	<2	64.1	0.417	6.58	<0.040	<1.00	<2.00
0214-CF-005-11.0 Base sample at 11 ft	<50	<0.250	<2	34.7	0.827	6.33	<0.040	<1.00	<2.00
0214-CF-105-11.0 Duplicate of -005	<50	<0.250	<2	43.9	0.467	3.86	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. Metals are not expected to be associated with diesel fuel, however, WSMR analyzed for RCRA metals to determine their concentrations at the site. Neither TPH DRO nor VOCs or SVOCs were detected at their respective laboratory reporting limits in any confirmation samples collected. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site above levels of regulatory concern.

4.0 POL SITES NOT REQUIRING CORRECTIVE ACTION

4.1 RAM Site (SWMU 201)

The AST survey identified a surface stain beneath the location of an active AST at the Ram site (SWMU 201; CCWS 42). Analysis of a sample during the AST survey, taken at 1.5 ft bgs at this stain, quantified both DRO and ORO at 150 mg/kg. The tank had been removed at the time of the preliminary investigation, but a small stain was located near a concrete pad sloping toward the building at the site (photograph 57). Two soil borings were made at the site of the former AST during the preliminary investigation (soil borings RAM-SB-01 and RAM-SB-02) (figures 24 and 25). No DRO was detected above reporting limits of 11 mg/kg in any of the samples taken during the drilling investigation. One surface sample at the presumed point of release had a DRO level of 16 mg/kg (Ram-01-SD-01). Appendix F contains laboratory results from the preliminary investigation. Table 37 lists detected analytes from the preliminary investigation.

TABLE 37. PRELIMINARY INVESTIGATION DETECTED RESULTS RAM SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
RAM0-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	69,600
RAM0-01-SD-01	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	16		mg/Kg	520

> - Greater than indicated temperature.

Results of the AST survey show that a potential release, below NMED TPH Screening Guidelines, may have occurred at the RAM site, however, results of the preliminary investigation show no contamination present. Because the AST potentially serving as a future point of release has been removed from the site, no corrective action is required.

PHOTOGRAPH 57.
FORMER LOCATION OF AST, RAM SITE.

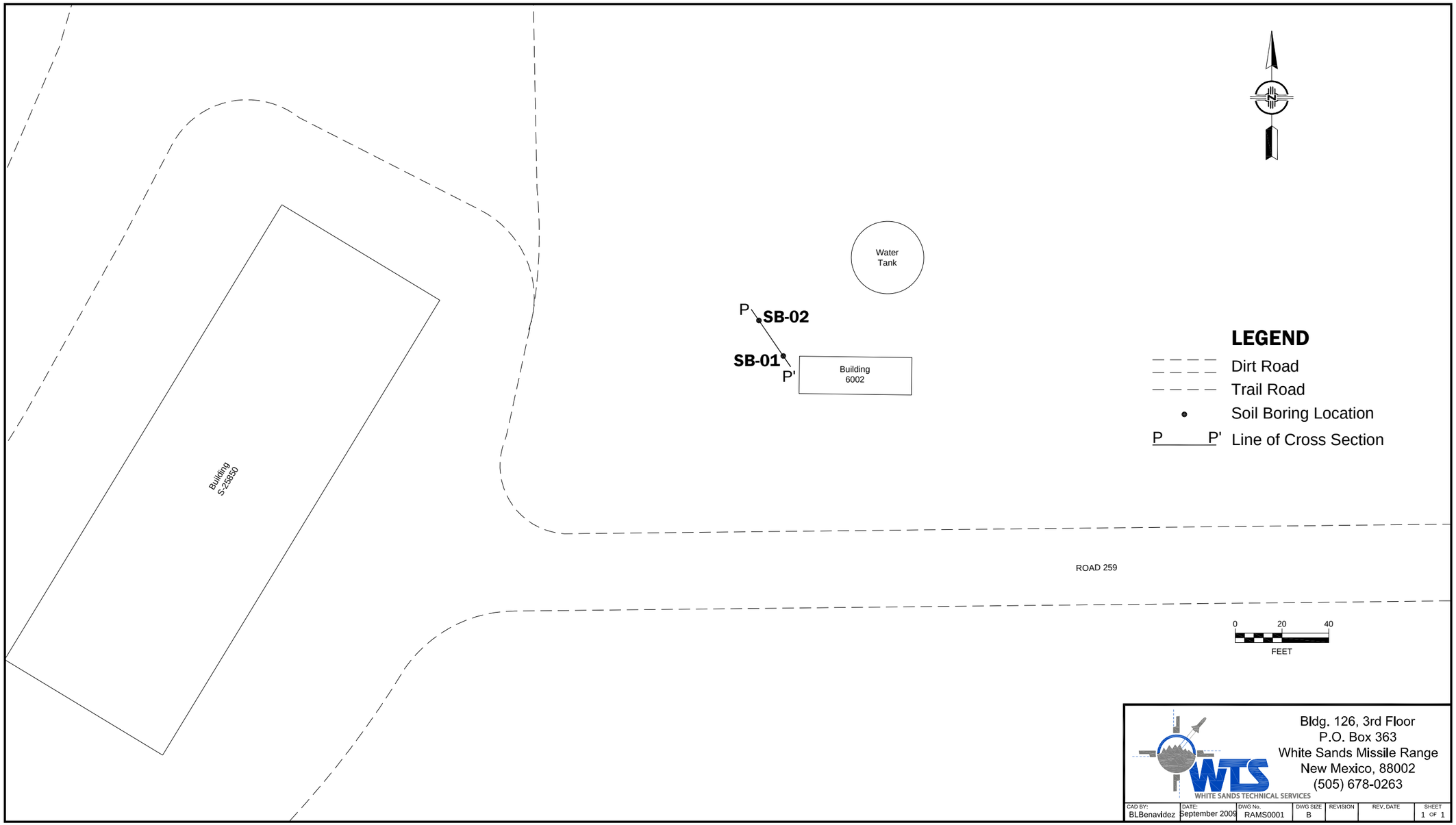

FIGURE 24. PLAN VIEW MAP OF THE RAM SITE.

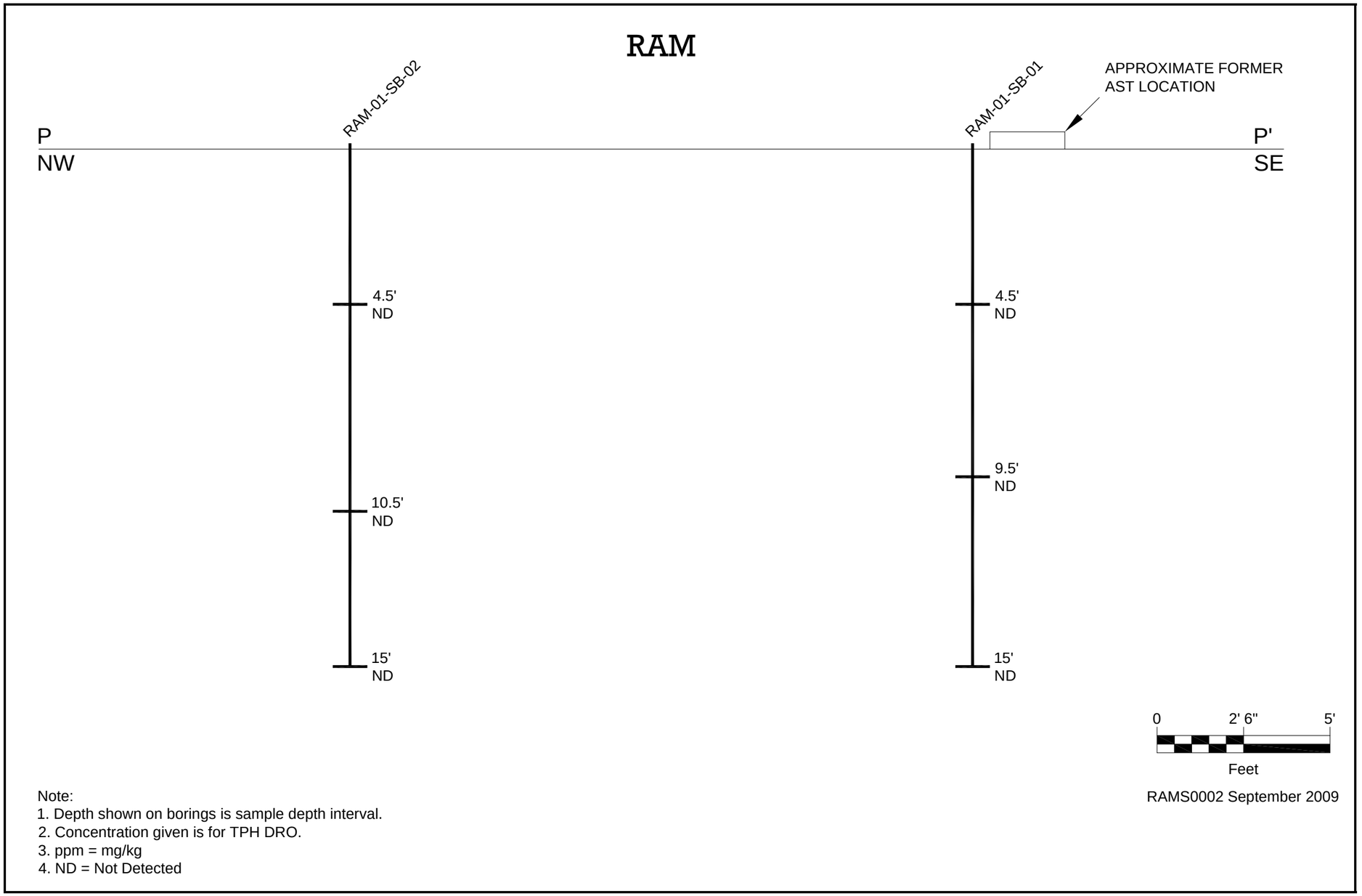

FIGURE 25. RAM SITE CROSS-SECTION SHOWING SAMPLE CONCENTRATIONS

4.2 Dead Horse Site (SWMU 202)

Eight soil borings (soil borings DHRS-SB-01 through DHRS-SB-08) were completed at the Dead Horse Site (SWMU 202; CCWS 43) during the preliminary investigation. Laboratory analysis of samples taken at 6 ft bgs in two of the borings quantified DRO as 17 mg/kg, though both borings were seemingly unrelated to the former AST. No DRO was detected above reporting limits of 12 mg/kg in borings made closer to the former AST. ORO was detected a 300 mg/kg in one sample (SB-03) at 5.0 to 5.5 feet bgs. No DRO was detected. Additionally, no TPH was detected in the same boring at the surface and at 3.5 to 4.0 feet bgs indicating no spill at that location. The 300 mg/kg detection is likely and anomaly. Figures 26 and 27 show sample locations from the preliminary investigation. No analytical evidence of an environmental release was found at this site. The AST had been removed at the time of the 1998 AST survey, so it will not serve as a potential future source. Table 38 lists detected analytes from the preliminary investigation.

TABLE 38. PRELIMINARY INVESTIGATION DETECTED RESULTS DEAD HORSE SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
DEAD-01-SD-01	NA	surface	5/8/2003	Flash Point (Setaflash)	200	>	degrees F	69,600
DEAD-01-SB-003-(5.0-5.5)	SB03	05.0-5.5	5/25/2003	Oil Range Organics (C24-C40)	300		mg/Kg	2,500
DEAD-01-SB-006 (6.0-6.5)	SB06	06.0-6.5	5/29/2003	Diesel Range Organics (C12-C24)	17		mg/Kg	520
DEAD-01-SB-007 (5.5-6.0)	SB07	05.5-6.0	5/29/2003	Diesel Range Organics (C12-C24)	17		mg/Kg	520

> - Greater than indicated temperature.

Results of the preliminary investigation indicate that a release at the Dead Horse site (photograph 58) has not occurred. Appendix F contains laboratory results from the preliminary investigation. The former AST location is not known. WSMR placed nine borings in the approximate area of the former AST location identified by hand drawn site map from the AST survey and could not locate demonstrable contamination. WSMR asserts that the site has been adequately characterized. Because the AST potentially serving as a future point of release has been removed from the site, no corrective action is required.

PHOTOGRAPH 58. DEAD HORSE SITE.

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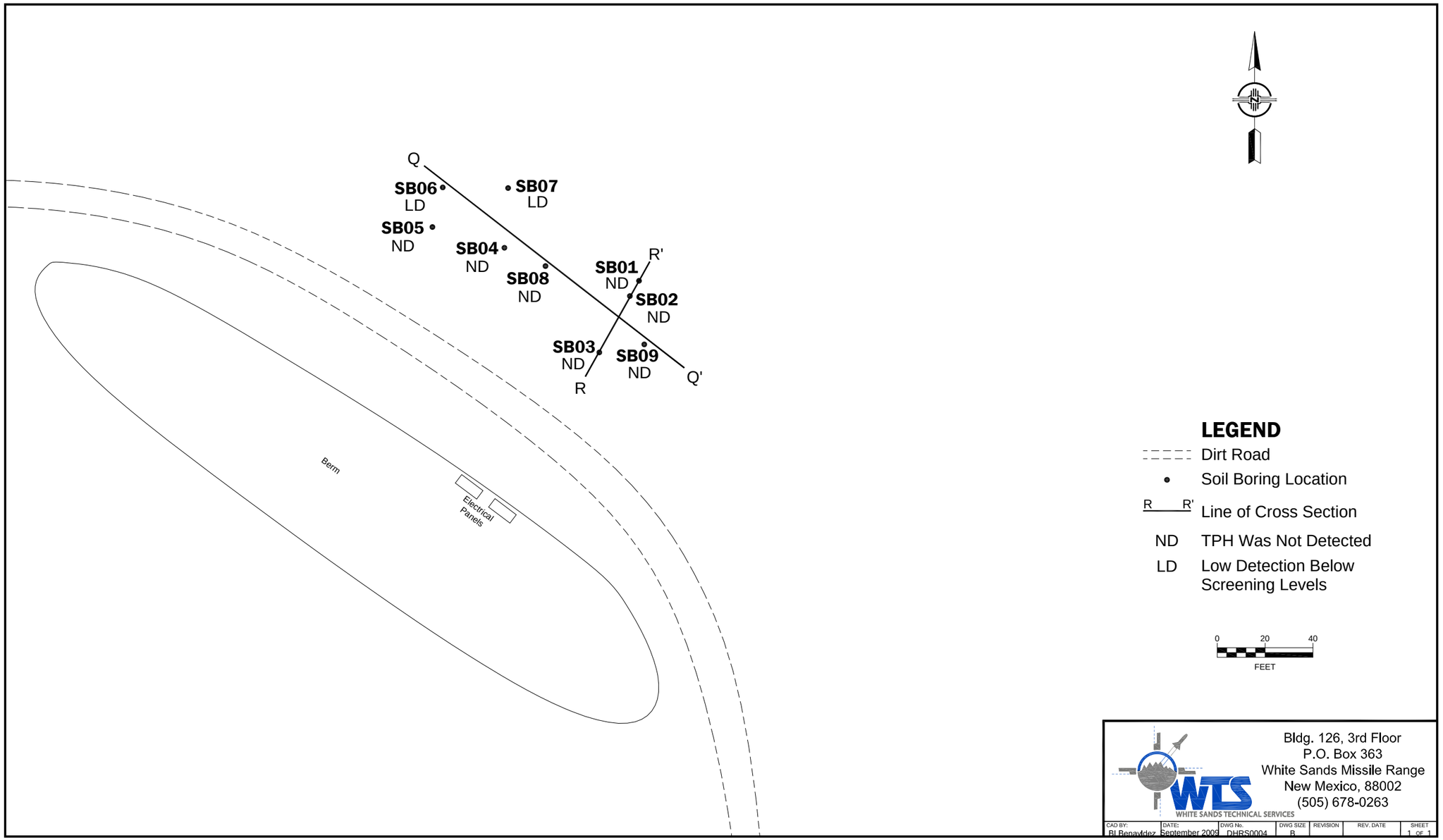

FIGURE 26. PLAN VIEW MAP OF THE DEAD HORSE SITE.

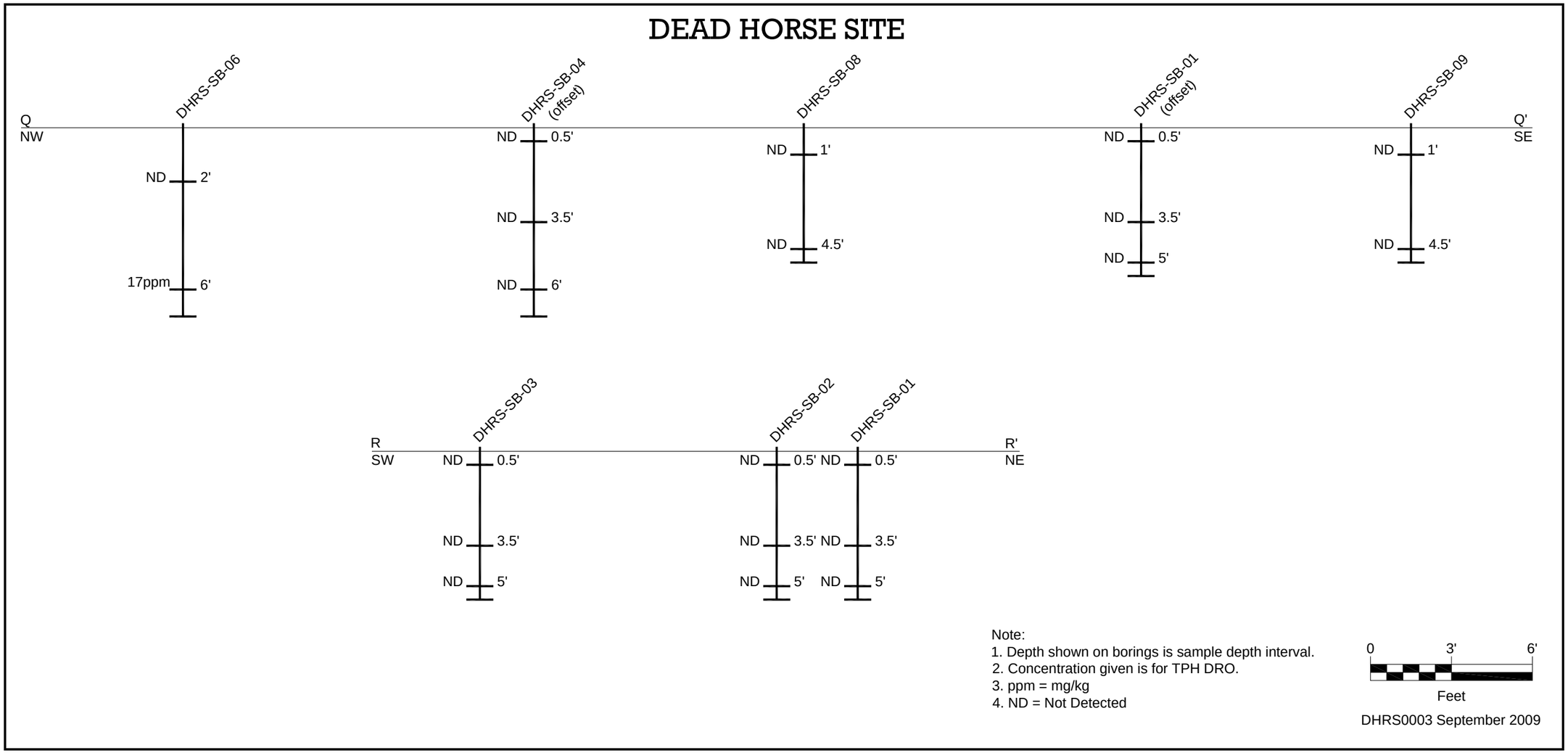

FIGURE 27. DEAD HORSE SITE CROSS-SECTIONS SHOWING SAMPLE CONCENTRATIONS.

4.3 Minnow Site (SWMU 210)

The AST survey identified surface stains beneath an inactive AST and associated equipment rack at the Minnow site (SWMU 210; CCWS 36) (photograph 59). Six soil borings (soil borings MNNW-SB-01 through MNNW-SB-06) were made at this site during the preliminary investigation. Only low levels of DRO were detected at the site, and neither at the borings made nearest to the presumed point of release. DRO was detected at a highest concentration of 170 mg/kg in a sample taken at 6.5 ft bgs from a boring made approximately 30 feet south of the former AST. No samples exceeded the NMED TPH Screening Guidelines for residential exposure. Figures 28 and 29 show sample locations from the preliminary investigation. Appendix F contains laboratory results from the preliminary investigation. No significant contamination was identified at the Minnow site and the potential source identified in the AST survey has since been removed. Table 39 lists detected analytes from the preliminary investigation.

TABLE 39. PRELIMINARY INVESTIGATION DETECTED RESULTS MINNOW SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
MNNW-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	NE
MNNW-01-SD-01	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	60		mg/Kg	520
MNNW-01-SD-01	NA	surface	5/7/2003	Oil Range Organics (C24-C40)	80		mg/Kg	2,500
MNNW-01-SB-001-(1.5-2.0)	SB01	01.5-2.0	5/25/2003	Diesel Range Organics (C12-C24)	13		mg/Kg	520
MNNW-01-SB-004-(6.0-6.5)	SB04	06.0-6.5	5/25/2003	Diesel Range Organics (C12-C24)	170		mg/Kg	520
MNNW-01-SB-004-(6.5-7.0)	SB04	06.5-7.0	5/25/2003	Diesel Range Organics (C12-C24)	100		mg/Kg	520
MNNW-01-SB-005-(6.5-7.0)	SB05	06.5-7.0	5/25/2003	Oil Range Organics (C24-C40)	190		mg/Kg	2,500

> - Greater than indicated temperature.

PHOTOGRAPH 59. FORMER LOCATION OF AST AND EQUIPMENT RACK, MINNOW SITE.

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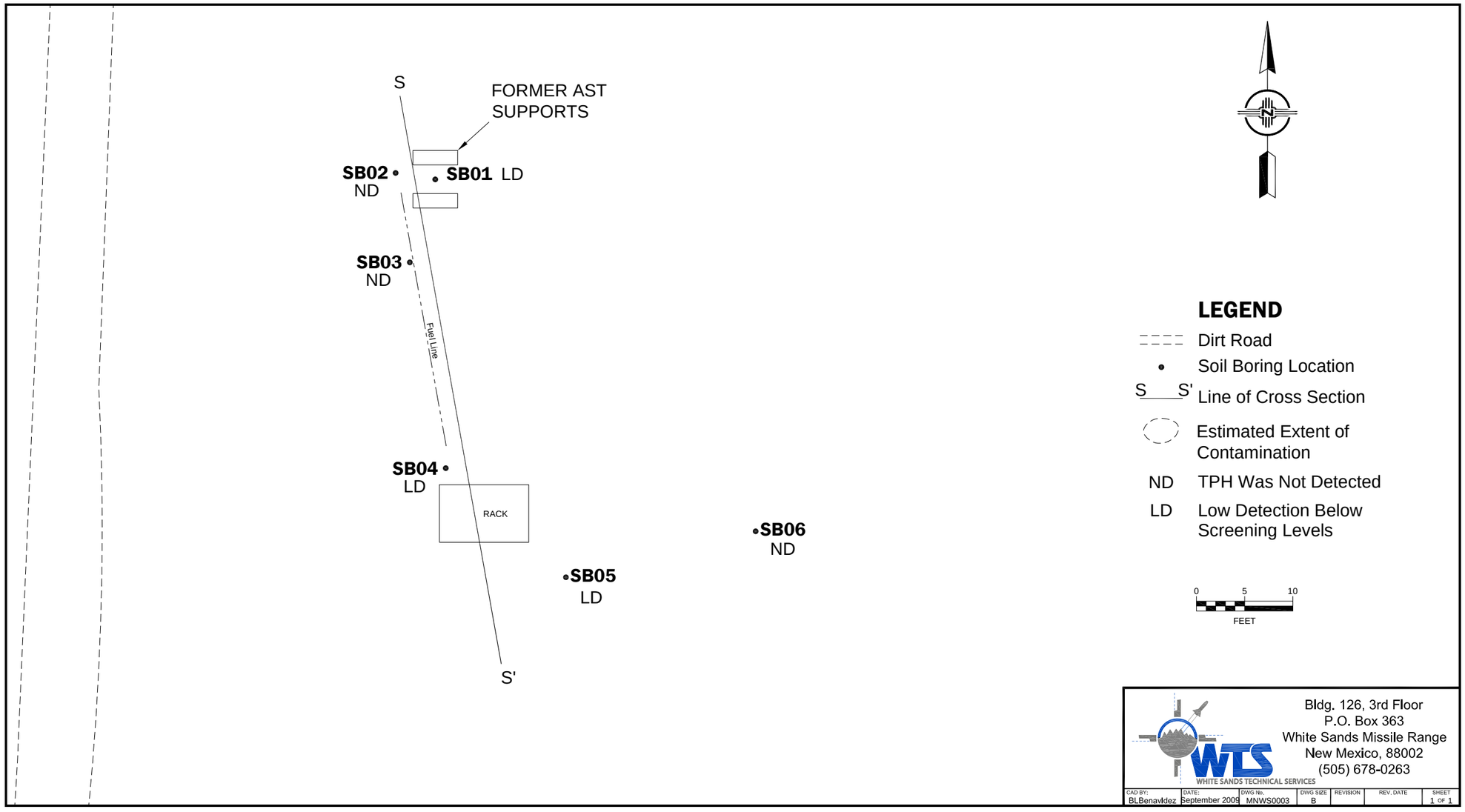

FIGURE 28. PLAN VIEW MAP OF THE MINNOW SITE.

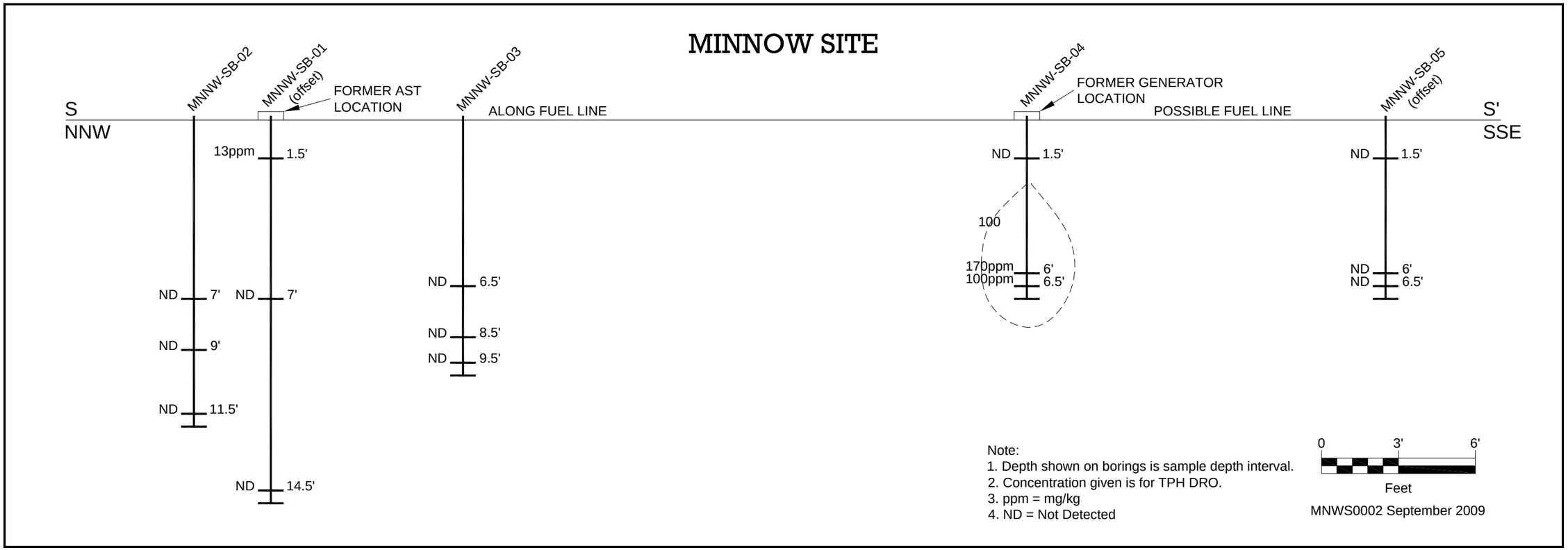

FIGURE 29. MINNOW SITE CROSS-SECTION SHOWING SAMPLE CONCENTRATIONS.

4.4 NW-70 Site (SWMU 212)

The AST survey identified a surface stain beneath the location of a former AST at the NW-70 site (SWMU 212; CCWS 53) (photograph 60). During the preliminary investigation, two soil borings were made at the site of the AST identified in the survey and another two soil borings were made at the location of another AST at the site. DRO was not detected above reporting limits of 11 mg/kg in any of the samples taken during the drilling investigation. A surface sample collected at the presumed point of release had a DRO result of 69 mg/kg. Figures 30 and 31 show sample locations from the preliminary investigation. Appendix F contains laboratory results from the preliminary investigation. Table 40 lists detected analytes from the preliminary investigation.

TABLE 40. PRELIMINARY INVESTIGATION DETECTED RESULTS NW-70 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
NW70-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	69,600
NW70-01-SD-01	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	69		mg/Kg	520

> - Greater than indicated temperature.

No analytical indications of an environmental release were found at the NW-70 site. Because the ASTs potentially serving as a future point of release have also been removed from the site, no corrective action is recommended.

PHOTOGRAPH 60. FORMER LOCATION OF AST, NW-70 SITE.

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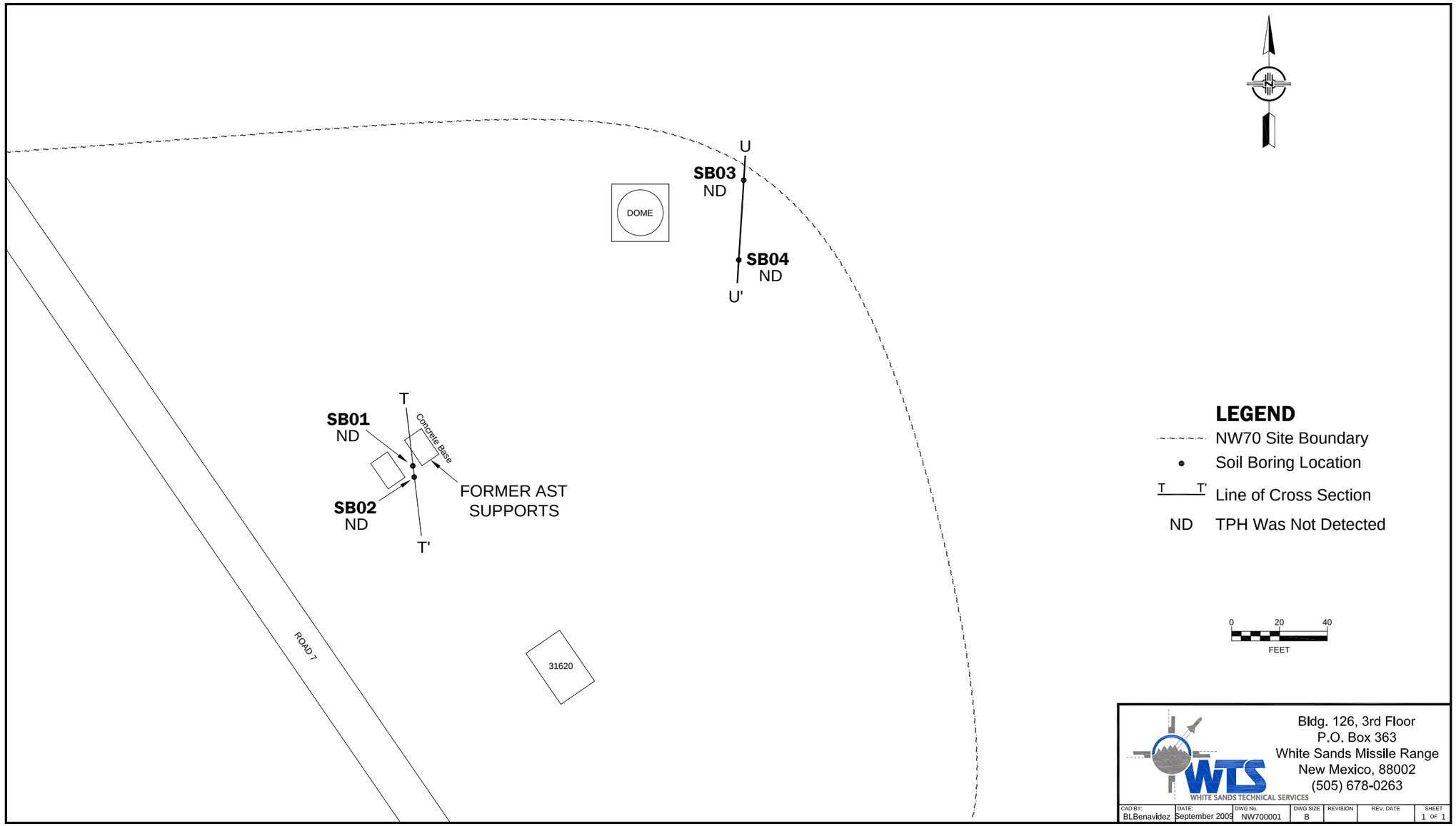

FIGURE 30. PLAN VIEW MAP OF THE NW-70 SITE.

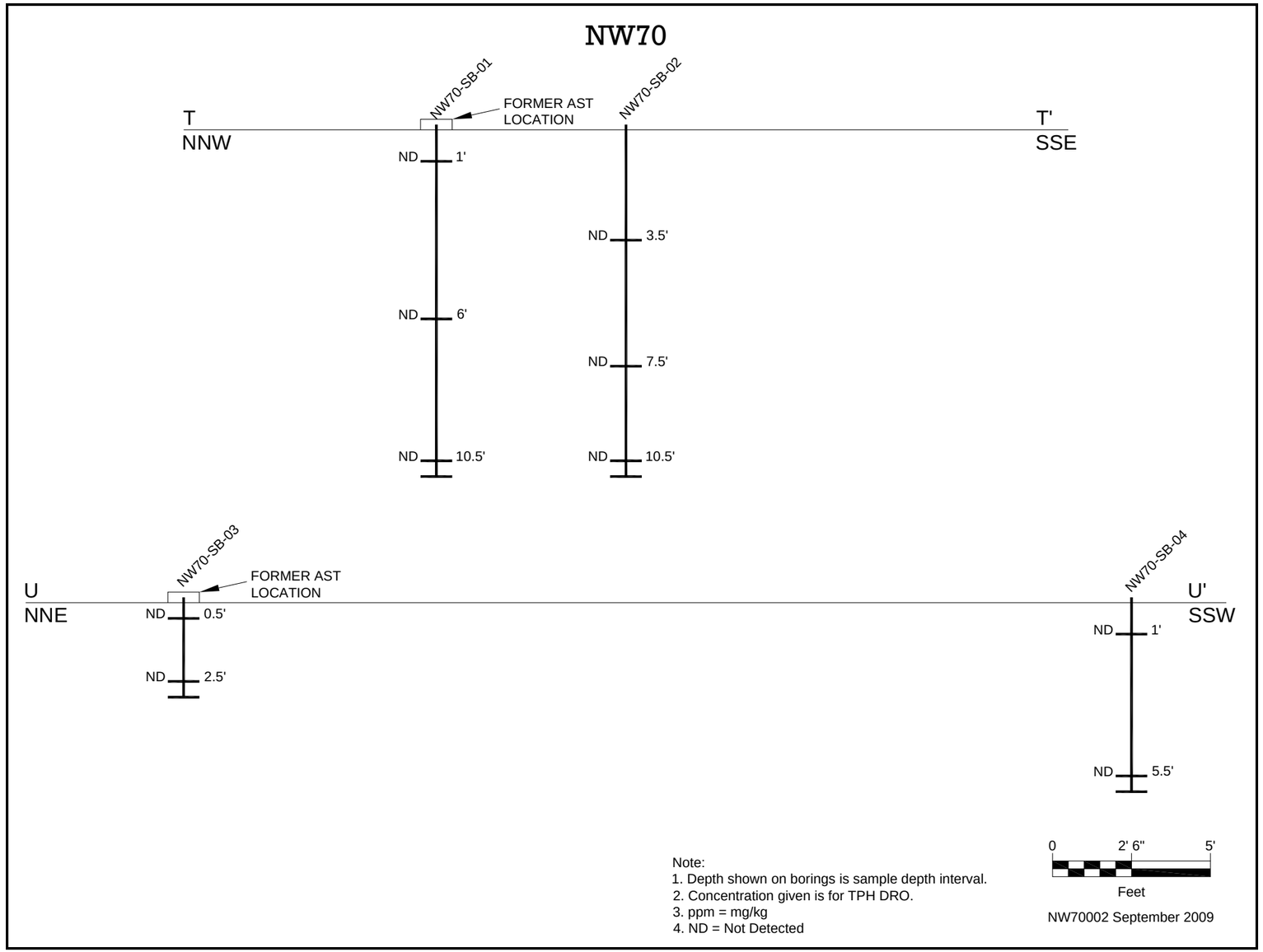

FIGURE 31. NW-70 SITE CROSS-SECTIONS SHOWING SAMPLE CONCENTRATIONS.

5.0 NO FURTHER ACTION PROPOSAL

5.1 Rationale

Personnel have removed the majority of diesel-contaminated soil resulting from the AST and associated piping at the Cowan, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch, Atom, and Denver sites. Confirmation samples taken from excavation sidewalls and bases have demonstrated that no soil contaminated above the clean-up goal of 520 mg/kg TPH DRO remains at the sites. This clean-up goal is based on the November 2005 NMED TPH Screening Guideline for an unknown oil under the most conservative exposure scenario (residential) and is protective of human health. No VOCs or SVOCs of concern were detected. All VOC and SVOC results were either non-detect (below laboratory reporting limits) or well below November 2005 NMED Soil Screening Levels. WSMR has removed contaminated soil to proper disposal at an offsite permitted facility and replaced the sites with clean backfill material. Contaminated material and contaminant sources have been removed from the sites and do not pose a risk to potential receptors.

5.2 Criterion

The criterion applied to this site is **NFA Criterion 5** as described by the NMED:

The SWMU has been characterized [and] remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.

6.0 CONCLUSION

Researchers determined during a preliminary investigation conducted in May 2003 that WSMR sites; Cowan, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch, and Atom had diesel contamination above NMED TPH Screening Guidelines for the residential exposure scenario. As a proactive approach, WSMR conducted a ACA at each site which entailed excavation of contaminated soil above November 2005 NMED TPH Screening Guidelines and disposed of those soils at a permitted disposal facility off-site. Results of confirmation samples collected at the base and sidewall of each excavation indicate the bulk of diesel contamination has been removed and that no NMED Residential Soil Screening Levels were exceeded by remaining materials. Additionally, WSMR conducted continued excavation at Denver Site (SWMU 166). Crews removed and disposed of remaining contaminated soil from Denver Site. WSMR asserts that contaminated material and contaminant sources have been removed from these sites and they do not pose a risk to potential receptors. Based on results of this ACA, WSMR asserts that these sites should be eligible for No Further Action. Table 41 summarizes results of this ACA.

TABLE 41. SUMMARY OF ACA.

SWMU	CCWS	Site Name	Estimated Required Excavation (cubic yards)	Actual Excavation (cubic yards)	Confirmation Results	NFA Proposal
166	N/A	Denver Site	400	660	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 166 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
199	27	Hardin Ranch-01	120	220	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMUs 199-200 have been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
200	27	Hardin Ranch-02				
201	42	Ram Site	No Excavation Required	No Excavation Required	Sample results from the preliminary investigation indicate no contamination on site above NMED TPH Screening Guidelines or Residential Soil Screening Levels.	SWMU 201 has been characterized in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
202	43	Dead Horse Site	No Excavation Required	No Excavation Required	Sample results from the preliminary investigation indicate no contamination on site above NMED TPH Screening Guidelines or Residential Soil Screening Levels.	SWMU 202 has been characterized in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
203	29	ORC Commo Site	30	80	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 203 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
204	30	Harriett Site	110	92	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 204 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
205	31	SE-70 Site	80	200	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 205 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
206	32	Atom-01 Site	No Excavation Required	No Excavation Required	Sample results from the preliminary investigation indicate no contamination on site above NMED TPH Screening Guidelines or Residential Soil Screening Levels.	SWMU 206 has been characterized in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.

TABLE 41. SUMMARY OF ACA.

SWMU	CCWS	Site Name	Estimated Required Excavation (cubic yards)	Actual Excavation (cubic yards)	Confirmation Results	NFA Proposal
207	32	Atom-02 Site	110	600	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 207 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
208	34	SE-50 Site	60	160	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 208 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
209	35	EC-50 Site	280	880	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 209 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
210	36	Minnow Site	No Excavation Required	No Excavation Required	Sample results from the preliminary investigation indicate no contamination on site above NMED TPH Screening Guidelines or Residential Soil Screening Levels.	SWMU 210 has been characterized in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
211	37	Cowan Site	55	80	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 211 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
212	53	NW-70	No Excavation Required	No Excavation Required	Sample results from the preliminary investigation indicate no contamination on site above NMED TPH Screening Guidelines or Residential Soil Screening Levels.	SWMU 212 has been characterized in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
213	38	Gran Jean Site	510	820	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 213 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
214	39	NE-50 Site	55	80	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 214 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.

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ATTACHMENT 1

Table 1D. RFI Data Denver Site (Detects)

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Arsenic	1		mg/Kg	3.59
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Barium	56.5		mg/Kg	15,600
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	3/7/2002	bis(2-Ethylhexyl)phthalate	2800	B	µg/Kg	2.80E+05
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Cadmium	0.1	B	mg/Kg	77.9
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Chromium	3.7		mg/Kg	280*
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Lead	3		mg/Kg	400
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	3/6/2002	Methylene chloride	2	BJ	µg/Kg	1.99E+05
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	3/7/2002	Pentachlorophenol	330	J	µg/Kg	2.07E+04
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Selenium	0.54	B	mg/Kg	391
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	3/6/2002	Acetone	12	J	µg/Kg	6.75E+07
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	4/4/2002	Arsenic	0.59	B	mg/Kg	3.59
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	4/4/2002	Barium	39.6		mg/Kg	15,600
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	3/7/2002	bis(2-Ethylhexyl)phthalate	390	BJ	µg/Kg	2.80E+05
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	4/4/2002	Cadmium	0.05	B	mg/Kg	77.9
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	4/4/2002	Chromium	2		mg/Kg	280*
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	4/4/2002	Lead	1.4		mg/Kg	400
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	3/6/2002	Methylene chloride	3	BJ	µg/Kg	1.99E+05
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Arsenic	0.97		mg/Kg	3.59
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Barium	87.8		mg/Kg	15,600
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	3/7/2002	bis(2-Ethylhexyl)phthalate	370	BJ	µg/Kg	2.80E+05
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Cadmium	0.07	B	mg/Kg	77.9
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Chromium	4.7		mg/Kg	280*
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Lead	3.1		mg/Kg	400
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	3/6/2002	Methylene chloride	2	BJ	µg/Kg	1.99E+05
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Selenium	0.35	B	mg/Kg	391
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	4/4/2002	Arsenic	2.2		mg/Kg	3.59
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	4/4/2002	Barium	92.1		mg/Kg	15,600
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	4/4/2002	Chromium	13.9		mg/Kg	280*
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	3/7/2002	Di-n-butylphthalate	100	J	µg/Kg	6.11E+06
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	4/4/2002	Lead	8.4		mg/Kg	400
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	3/6/2002	Methylene chloride	3	BJ	µg/Kg	1.99E+05
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	4/4/2002	Selenium	0.74	B	mg/Kg	391
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	4/4/2002	Arsenic	1.3		mg/Kg	3.59

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	4/4/2002	Barium	81.3		mg/Kg	15,600
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	3/7/2002	bis(2-Ethylhexyl)phthalate	92	BJ	µg/Kg	2.80E+05
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	4/4/2002	Cadmium	0.23	B	mg/Kg	77.9
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	4/4/2002	Chromium	11.4		mg/Kg	280*
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	4/4/2002	Lead	6.3		mg/Kg	400
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	3/12/2002	Mercury	0.04	B	mg/Kg	7.71
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	3/6/2002	Methylene chloride	5	B	µg/Kg	1.99E+05
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	3/7/2002	Acetone	12	J	µg/Kg	6.75E+07
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Arsenic	0.61	B	mg/Kg	3.59
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Barium	84.3		mg/Kg	15,600
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Cadmium	0.17	B	mg/Kg	77.9
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Chromium	4.9		mg/Kg	280*
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Lead	3.5		mg/Kg	400
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	3/12/2002	Mercury	0.05	B	mg/Kg	7.71
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	3/7/2002	Methylene chloride	5		µg/Kg	1.99E+05
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Selenium	0.88	B	mg/Kg	391
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Arsenic	0.79	B	mg/Kg	3.59
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Barium	46.6		mg/Kg	15,600
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	bis(2-Ethylhexyl)phthalate	91	BJ	µg/Kg	2.80E+05
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Cadmium	0.1	B	mg/Kg	77.9
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Chromium	2.9		mg/Kg	280*
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	Chrysene	230	J	µg/Kg	4.81E+05
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/11/2002	Diesel (C12-C24)	13000	D	mg/Kg	520**
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	Fluoranthene	470		µg/Kg	2.29E+06
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Lead	3		mg/Kg	400
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/12/2002	Mercury	0.04	B	mg/Kg	7.71
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	Methylene chloride	72	B	µg/Kg	1.99E+05
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	Phenanthrene	1900		µg/Kg	1.83E+06
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	Pyrene	830		µg/Kg	1.72E+06
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Selenium	0.37	B	mg/Kg	391
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	2-Methylnaphthalene	7900	E	µg/Kg	NE
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	2-Methylnaphthalene	8900	D	µg/Kg	NE
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Acenaphthene	3900		µg/Kg	3.44E+06

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Arsenic	0.64	B	mg/Kg	3.59
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Barium	37.1		mg/Kg	15,600
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Benzo[a]anthracene	320	J	µg/Kg	4,810
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Benzo[a]anthracene	320	JD	µg/Kg	4,810
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	bis(2-Ethylhexyl)phthalate	460	B	µg/Kg	2.80E+05
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	bis(2-Ethylhexyl)phthalate	480	JBD	µg/Kg	2.80E+05
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Cadmium	0.07	B	mg/Kg	77.9
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Chromium	2		mg/Kg	280*
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Chrysene	260	J	µg/Kg	4.81E+05
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Chrysene	280	JD	µg/Kg	4.81E+05
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Dibenzofuran	2300		µg/Kg	NE
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Dibenzofuran	2700	D	µg/Kg	NE
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/11/2002	Diesel (C12-C24)	28000	D	mg/Kg	520**
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Fluoranthene	780		µg/Kg	2.29E+06
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Fluoranthene	870	D	µg/Kg	2.29E+06
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Fluorene	4500		µg/Kg	2.29E+06
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Lead	1.4		mg/Kg	400
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/12/2002	Mercury	0.02	B	mg/Kg	7.71
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/8/2002	Methylene chloride	51	B	µg/Kg	1.99E+05
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Naphthalene	1200		µg/Kg	4.50E+04
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Naphthalene	1100	D	µg/Kg	4.50E+04
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Phenanthrene	8800	E	µg/Kg	1.83E+06
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Phenanthrene	12000	D	µg/Kg	1.83E+06
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Pyrene	920		µg/Kg	1.72E+06
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Pyrene	1300	D	µg/Kg	1.72E+06
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Selenium	0.32	B	mg/Kg	391
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Arsenic	0.91	B	mg/Kg	3.59
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Barium	91.6		mg/Kg	15,600
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	3/7/2002	bis(2-Ethylhexyl)phthalate	200	BJ	µg/Kg	2.80E+05
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Cadmium	0.08	B	mg/Kg	77.9
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Chromium	4.8		mg/Kg	280*
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Lead	3.4		mg/Kg	400
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	3/12/2002	Mercury	0.03	B	mg/Kg	7.71

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	3/7/2002	Methylene chloride	2	J	µg/Kg	1.99E+05
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Selenium	0.44	B	mg/Kg	391
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Arsenic	2.3		mg/Kg	3.59
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Barium	145		mg/Kg	15,600
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	3/7/2002	bis(2-Ethylhexyl)phthalate	270	BJ	µg/Kg	2.80E+05
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Cadmium	0.19	B	mg/Kg	77.9
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Chromium	14.8		mg/Kg	280*
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Lead	8.9		mg/Kg	400
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	3/12/2002	Mercury	0.03	B	mg/Kg	7.71
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	3/7/2002	Methylene chloride	7		µg/Kg	1.99E+05
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Selenium	0.56	B	mg/Kg	391
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Arsenic	0.9	B	mg/Kg	3.59
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Barium	66.1		mg/Kg	15,600
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	3/7/2002	bis(2-Ethylhexyl)phthalate	210	BJ	µg/Kg	2.80E+05
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Cadmium	0.18	B	mg/Kg	77.9
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Chromium	7.7		mg/Kg	280*
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Lead	4.1		mg/Kg	400
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	3/12/2002	Mercury	0.02	B	mg/Kg	7.71
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	3/7/2002	Methylene chloride	5		µg/Kg	1.99E+05
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Selenium	0.39	B	mg/Kg	391
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	3/7/2002	Acetone	12	J	µg/Kg	6.75E+07
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/4/2002	Arsenic	0.56	B	mg/Kg	3.59
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/4/2002	Barium	76.4		mg/Kg	15,600
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	3/7/2002	bis(2-Ethylhexyl)phthalate	100	BJ	µg/Kg	2.80E+05
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/4/2002	Cadmium	0.24	B	mg/Kg	77.9
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/4/2002	Chromium	3.5		mg/Kg	280*
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	3/7/2002	Di-n-butylphthalate	120	J	µg/Kg	6.11E+06
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/4/2002	Lead	2.4		mg/Kg	400
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	3/12/2002	Mercury	0.03	B	mg/Kg	7.71
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	3/7/2002	Methylene chloride	6		µg/Kg	1.99E+05
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/9/2002	Selenium	1.3		mg/Kg	391
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Arsenic	1.6		mg/Kg	3.59
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Barium	99.4		mg/Kg	15,600

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	3/7/2002	bis(2-Ethylhexyl)phthalate	230	BJ	µg/Kg	2.80E+05
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Cadmium	0.18	B	mg/Kg	77.9
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Chromium	8.4		mg/Kg	280*
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Lead	5.4		mg/Kg	400
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	3/7/2002	Methylene chloride	3	J	µg/Kg	1.99E+05
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Selenium	0.32	B	mg/Kg	391
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	4/4/2002	Barium	29.4		mg/Kg	15,600
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	3/8/2002	bis(2-Ethylhexyl)phthalate	250	BJ	µg/Kg	2.80E+05
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	4/4/2002	Chromium	1.5		mg/Kg	280*
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	4/4/2002	Lead	1.2		mg/Kg	400
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	3/7/2002	Methylene chloride	4	J	µg/Kg	1.99E+05
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	4/4/2002	Selenium	0.4	B	mg/Kg	391
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	4/5/2002	Barium	70.9		mg/Kg	15,600
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	3/8/2002	Benzoic acid	440	J	µg/Kg	2.40E+08
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	3/8/2002	bis(2-Ethylhexyl)phthalate	180	BJ	µg/Kg	2.80E+05
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	4/5/2002	Cadmium	0.08	B	mg/Kg	77.9
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	4/5/2002	Chromium	3.8		mg/Kg	280*
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	4/5/2002	Lead	2.4		mg/Kg	400
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	3/7/2002	Methylene chloride	3	J	µg/Kg	1.99E+05
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	3/7/2002	Acetone	11	J	µg/Kg	6.75E+07
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/9/2002	Arsenic	1.7		mg/Kg	3.59
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/5/2002	Barium	84.8		mg/Kg	15,600
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/5/2002	Cadmium	0.11	B	mg/Kg	77.9
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/5/2002	Chromium	12.9		mg/Kg	280*
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/5/2002	Lead	7.9		mg/Kg	400
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	3/7/2002	Methylene chloride	3	J	µg/Kg	1.99E+05
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/5/2002	Selenium	0.62	B	mg/Kg	391
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Arsenic	0.77	B	mg/Kg	3.59
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Barium	49.3		mg/Kg	15,600

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	3/8/2002	bis(2-Ethylhexyl)phthalate	230	BJ	µg/Kg	2.80E+05
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Cadmium	0.15	B	mg/Kg	77.9
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Chromium	6.1		mg/Kg	280*
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Lead	3.6		mg/Kg	400
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	3/7/2002	Methylene chloride	4		µg/Kg	1.99E+05
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Selenium	0.77	B	mg/Kg	391
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	4/5/2002	Barium	70		mg/Kg	15,600
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	4/5/2002	Cadmium	0.26	B	mg/Kg	77.9
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	4/5/2002	Chromium	3.4		mg/Kg	280*
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	3/8/2002	Di-n-butylphthalate	130	J	µg/Kg	6.11E+06
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	4/5/2002	Lead	2.2		mg/Kg	400
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	3/7/2002	Methylene chloride	4	J	µg/Kg	1.99E+05
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	4/5/2002	Selenium	0.48	B	mg/Kg	391
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Arsenic	0.97		mg/Kg	3.59
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Barium	52.6		mg/Kg	15,600
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Cadmium	0.18	B	mg/Kg	77.9
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Chromium	3.6		mg/Kg	280*
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Lead	5.6		mg/Kg	400
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	3/5/2002	Methylene chloride	3	J	µg/Kg	1.99E+05
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Selenium	0.44	B	mg/Kg	391
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	3/5/2002	Acetone	10	J	µg/Kg	6.75E+07
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	4/4/2002	Barium	42.4		mg/Kg	15,600
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	3/7/2002	bis(2-Ethylhexyl)phthalate	210	J	µg/Kg	2.80E+05
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	4/4/2002	Cadmium	0.06	B	mg/Kg	77.9
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	4/4/2002	Chromium	2		mg/Kg	280*
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	4/4/2002	Lead	1.5		mg/Kg	400
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	3/5/2002	Methylene chloride	3	J	µg/Kg	1.99E+05
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	4/4/2002	Arsenic	0.58	B	mg/Kg	3.59
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	4/4/2002	Barium	87.7		mg/Kg	15,600
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	3/7/2002	Benzoic acid	390	J	µg/Kg	2.40E+08
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	3/7/2002	bis(2-Ethylhexyl)phthalate	89	J	µg/Kg	2.80E+05

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	4/4/2002	Cadmium	0.05	B	mg/Kg	77.9
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	4/4/2002	Chromium	4.4		mg/Kg	280*
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	4/4/2002	Lead	3		mg/Kg	400
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	3/5/2002	Methylene chloride	2	J	µg/Kg	1.99E+05
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	3/5/2002	Acetone	58		µg/Kg	6.75E+07
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	4/4/2002	Arsenic	1.7		mg/Kg	3.59
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	4/4/2002	Barium	146		mg/Kg	15,600
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	3/7/2002	bis(2-Ethylhexyl)phthalate	130	J	µg/Kg	2.80E+05
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	4/4/2002	Chromium	15.4		mg/Kg	280*
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	4/4/2002	Lead	9.1		mg/Kg	400
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	3/5/2002	Methylene chloride	4		µg/Kg	1.99E+05
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	4/4/2002	Selenium	0.84	B	mg/Kg	391
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	3/5/2002	Acetone	86		µg/Kg	6.75E+07
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	4/4/2002	Arsenic	0.71	B	mg/Kg	3.59
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	4/4/2002	Barium	65.1		mg/Kg	15,600
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	4/4/2002	Cadmium	0.1	B	mg/Kg	77.9
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	4/4/2002	Chromium	7.4		mg/Kg	280*
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	4/4/2002	Lead	4.2		mg/Kg	400
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	3/5/2002	Methylene chloride	4		µg/Kg	1.99E+05
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	3/5/2002	Acetone	17		µg/Kg	6.75E+07
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	4/4/2002	Arsenic	0.56	B	mg/Kg	3.59
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	4/4/2002	Barium	107		mg/Kg	15,600
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	4/4/2002	Cadmium	0.19	B	mg/Kg	77.9
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	4/4/2002	Chromium	4.1		mg/Kg	280*
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	4/4/2002	Lead	3.1		mg/Kg	400
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	3/5/2002	Methylene chloride	4		µg/Kg	1.99E+05
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	4/4/2002	Arsenic	0.76	B	mg/Kg	3.59
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	4/4/2002	Barium	36.8		mg/Kg	15,600
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	4/4/2002	Cadmium	0.08	B	mg/Kg	77.9
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	4/4/2002	Chromium	2		mg/Kg	280*
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	4/4/2002	Lead	1.3		mg/Kg	400
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	3/5/2002	Methylene chloride	5		µg/Kg	1.99E+05
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	4/4/2002	Arsenic	0.61	B	mg/Kg	3.59

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	4/4/2002	Barium	37.3		mg/Kg	15,600
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	3/8/2002	bis(2-Ethylhexyl)phthalate	260	J	µg/Kg	2.80E+05
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	4/4/2002	Chromium	1.8		mg/Kg	280*
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	4/4/2002	Lead	1.2		mg/Kg	400
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	3/6/2002	Methylene chloride	3	BJ	µg/Kg	1.99E+05
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	4/4/2002	Selenium	0.35	B	mg/Kg	391
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	4/4/2002	Arsenic	1		mg/Kg	3.59
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	4/4/2002	Barium	98.3		mg/Kg	15,600
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	3/8/2002	bis(2-Ethylhexyl)phthalate	170	J	µg/Kg	2.80E+05
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	4/4/2002	Chromium	5.2		mg/Kg	280*
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	4/4/2002	Lead	3.8		mg/Kg	400
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	3/6/2002	Methylene chloride	3	BJ	µg/Kg	1.99E+05
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	4/4/2002	Selenium	0.59	B	mg/Kg	391
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	4/4/2002	Arsenic	1.9		mg/Kg	3.59
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	4/4/2002	Barium	117		mg/Kg	15,600
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	3/8/2002	bis(2-Ethylhexyl)phthalate	90	J	µg/Kg	2.80E+05
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	4/4/2002	Chromium	13.6		mg/Kg	280*
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	4/4/2002	Lead	7.8		mg/Kg	400
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	3/6/2002	Methylene chloride	4	JB	µg/Kg	1.99E+05
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	4/4/2002	Selenium	0.45	B	mg/Kg	391
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	4/4/2002	Arsenic	0.53	B	mg/Kg	3.59
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	4/4/2002	Barium	56.4		mg/Kg	15,600
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	4/4/2002	Cadmium	0.14	B	mg/Kg	77.9
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	4/4/2002	Chromium	5.8		mg/Kg	280*
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	4/4/2002	Lead	3.1		mg/Kg	400
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	3/6/2002	Methylene chloride	4	B	µg/Kg	1.99E+05
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	4/4/2002	Arsenic	0.48	B	mg/Kg	3.59
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	4/4/2002	Barium	108		mg/Kg	15,600
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	3/8/2002	bis(2-Ethylhexyl)phthalate	100	J	µg/Kg	2.80E+05
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	4/4/2002	Cadmium	0.16	B	mg/Kg	77.9
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	4/4/2002	Chromium	3.7		mg/Kg	280*
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	4/4/2002	Lead	2.5		mg/Kg	400
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	3/6/2002	Methylene chloride	4	B	µg/Kg	1.99E+05

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	4/4/2002	Selenium	0.32	B	mg/Kg	391
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	3/12/2002	Acetone	27		µg/Kg	6.75E+07
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Arsenic	0.65	B	mg/Kg	3.59
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Barium	34.3	N	mg/Kg	15,600
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Cadmium	0.1	B	mg/Kg	77.9
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Chromium	1.7		mg/Kg	280*
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Lead	1.7		mg/Kg	400
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	3/12/2002	Methylene chloride	5	B	µg/Kg	1.99E+05
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	3/11/2002	Pentachlorophenol	300	J	µg/Kg	2.07E+04
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Selenium	0.44	B	mg/Kg	391
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Arsenic	1.2		mg/Kg	3.59
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Barium	22.8	N	mg/Kg	15,600
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Cadmium	0.07	B	mg/Kg	77.9
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Chromium	1.3		mg/Kg	280*
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Lead	1.1		mg/Kg	400
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	3/12/2002	Methylene chloride	6	B	µg/Kg	1.99E+05
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Selenium	0.38	B	mg/Kg	391
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	3/12/2002	Acetone	16		µg/Kg	6.75E+07
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	4/3/2002	Barium	16	BN	mg/Kg	15,600
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	4/3/2002	Cadmium	0.07	B	mg/Kg	77.9
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	4/3/2002	Chromium	0.61	B	mg/Kg	280*
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	3/12/2002	Diesel (C12-C24)	87		mg/Kg	520**
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	4/3/2002	Lead	0.44	B	mg/Kg	400
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	3/12/2002	Methylene chloride	6	B	µg/Kg	1.99E+05
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	4/3/2002	Selenium	0.42	B	mg/Kg	391
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	4/3/2002	Arsenic	0.76	B	mg/Kg	3.59
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	4/3/2002	Barium	112	N	mg/Kg	15,600
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	4/3/2002	Chromium	6.6		mg/Kg	280*
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	4/3/2002	Lead	3.9		mg/Kg	400
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	3/13/2002	Methylene chloride	7	B	µg/Kg	1.99E+05
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	4/3/2002	Selenium	0.57	B	mg/Kg	391
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	4/3/2002	Arsenic	0.85	B	mg/Kg	3.59
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	4/3/2002	Barium	98.9	N	mg/Kg	15,600

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	4/3/2002	Cadmium	0.15	B	mg/Kg	77.9
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	4/3/2002	Chromium	6.9		mg/Kg	280*
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	4/3/2002	Lead	4.3		mg/Kg	400
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	3/13/2002	Methylene chloride	7	B	µg/Kg	1.99E+05
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	1,2,4-Trimethylbenzene	210		µg/Kg	67000*
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	1,3,5-Trimethylbenzene	54		µg/Kg	47,000*
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/11/2002	2-Methylnaphthalene	2800		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	4-Isopropyltoluene	26		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	4/4/2002	Arsenic	0.94	B	mg/Kg	3.59
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	4/4/2002	Barium	80.1	N	mg/Kg	15,600
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	4/4/2002	Cadmium	0.13	B	mg/Kg	77.9
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	4/4/2002	Chromium	5.9		mg/Kg	280*
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/11/2002	Dibenzofuran	520		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Diesel (C12-C24)	1800	D	mg/Kg	520**
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Ethylbenzene	32		µg/Kg	6.96E+04
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/11/2002	Fluorene	590		µg/Kg	2.29E+06
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Isopropylbenzene	18		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	4/4/2002	Lead	3.4		mg/Kg	400
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Methylene chloride	12	B	µg/Kg	1.99E+05
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/11/2002	Naphthalene	480		µg/Kg	4.50E+04
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	n-Propylbenzene	36		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/11/2002	Phenanthrene	1200		µg/Kg	1.83E+06
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	sec-Butylbenzene	30		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Toluene	15		µg/Kg	5.57E+06
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Xylene (total)	130		µg/Kg	1.09E+06
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Arsenic	0.7	B	mg/Kg	3.59
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Barium	34.1	N	mg/Kg	15,600
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Cadmium	0.09	B	mg/Kg	77.9
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Chromium	1.9		mg/Kg	280*
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Lead	1.2		mg/Kg	400
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	3/13/2002	Mercury	0.07		mg/Kg	7.71
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	3/13/2002	Methylene chloride	21	B	µg/Kg	1.99E+05
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Selenium	0.25	B	mg/Kg	391

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Arsenic	0.47	B	mg/Kg	3.59
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Barium	18.1	BN	mg/Kg	15,600
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Cadmium	0.07	B	mg/Kg	77.9
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Chromium	0.73	B	mg/Kg	280*
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Lead	0.44	B	mg/Kg	400
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	3/13/2002	Methylene chloride	8	B	µg/Kg	1.99E+05
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Selenium	0.28	B	mg/Kg	391
31010-SB23-(9.0-11.0)	SB23	09.0-11.0	4/4/2002	Barium	12	BN	mg/Kg	15,600
31010-SB23-(9.0-11.0)	SB23	09.0-11.0	4/4/2002	Chromium	0.34	B	mg/Kg	280*
31010-SB23-(9.0-11.0)	SB23	09.0-11.0	4/4/2002	Lead	0.31	B	mg/Kg	400
31010-SB23-(9.0-11.0)	SB23	09.0-11.0	3/13/2002	Methylene chloride	6	B	µg/Kg	1.99E+05
31010-SB23-(9.0-11.0)	SB23	09.0-11.0	4/4/2002	Selenium	0.36	B	mg/Kg	391
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	4/4/2002	Arsenic	1.5		mg/Kg	3.59
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	4/4/2002	Barium	107	N	mg/Kg	15,600
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	4/4/2002	Chromium	8.1		mg/Kg	280*
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	4/4/2002	Lead	5.1		mg/Kg	400
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	3/13/2002	Methylene chloride	20	B	µg/Kg	1.99E+05
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	4/4/2002	Selenium	1.7		mg/Kg	391
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Arsenic	1.3		mg/Kg	3.59
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Barium	109	N	mg/Kg	15,600
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Cadmium	0.21	B	mg/Kg	77.9
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Chromium	9.8		mg/Kg	280*
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Lead	5.3		mg/Kg	400
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	3/13/2002	Methylene chloride	8	B	µg/Kg	1.99E+05
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Selenium	0.54	B	mg/Kg	391
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	1,2,4-Trimethylbenzene	770		µg/Kg	67000*
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	1,3,5-Trimethylbenzene	180		µg/Kg	47,000*
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	2-Methylnaphthalene	6100		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	4-Isopropyltoluene	90		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	Acenaphthene	390	J	µg/Kg	3.44E+06
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Arsenic	0.97	B	mg/Kg	3.59
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Barium	65	N	mg/Kg	15,600
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Cadmium	0.13	B	mg/Kg	77.9

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Chromium	8.8		mg/Kg	280*
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	Dibenzofuran	1000		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	Diesel (C12-C24)	2100	D	mg/Kg	520**
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	Ethylbenzene	66		µg/Kg	6.96E+04
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	Fluorene	1100		µg/Kg	2.29E+06
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	Isopropylbenzene	50		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Lead	4.7		mg/Kg	400
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	Methylene chloride	25	BJ	µg/Kg	1.99E+05
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	Naphthalene	1400		µg/Kg	4.50E+04
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	n-Propylbenzene	120		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	Phenanthrene	2400		µg/Kg	1.83E+06
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	sec-Butylbenzene	100		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Selenium	0.45	B	mg/Kg	391
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	Xylene (total)	320		µg/Kg	1.09E+06
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Arsenic	0.9	B	mg/Kg	3.59
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Barium	34.9		mg/Kg	15,600
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Cadmium	1.1		mg/Kg	77.9
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Chromium	1.7		mg/Kg	280*
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	3/13/2002	Diesel (C12-C24)	2100	D	mg/Kg	520**
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Lead	2.4		mg/Kg	400
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	3/13/2002	Mercury	0.01	B*	mg/Kg	7.71
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	3/8/2002	Methylene chloride	13	B	µg/Kg	1.99E+05
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Selenium	0.58	B	mg/Kg	391
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	1,2,4-Trimethylbenzene	1300		µg/Kg	67000*
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	1,3,5-Trimethylbenzene	710		µg/Kg	47,000*
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	2-Methylnaphthalene	7700	E	µg/Kg	NE
31010-SB24-(4.0-6.0)DL	SB24	04.0-6.0	3/12/2002	2-Methylnaphthalene	7600	D	µg/Kg	NE
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	4-Isopropyltoluene	250		µg/Kg	NE
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	4/5/2002	Barium	15.4	B	mg/Kg	15,600
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	4/5/2002	Cadmium	0.1	B	mg/Kg	77.9
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	4/5/2002	Chromium	0.76	B	mg/Kg	280*
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	Dibenzofuran	1300		µg/Kg	NE
31010-SB24-(4.0-6.0)DL	SB24	04.0-6.0	3/12/2002	Dibenzofuran	1300	D	µg/Kg	NE

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/14/2002	Diesel (C12-C24)	13000	D	mg/Kg	520**
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	Di-n-butylphthalate	260	J	µg/Kg	6.11E+06
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	Ethylbenzene	14	J	µg/Kg	6.96E+04
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	Fluorene	2500		µg/Kg	2.29E+06
31010-SB24-(4.0-6.0)DL	SB24	04.0-6.0	3/12/2002	Fluorene	2800	D	µg/Kg	2.29E+06
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	4/5/2002	Lead	0.67	B	mg/Kg	400
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/13/2002	Mercury	0.09	*	mg/Kg	7.71
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	Methylene chloride	69	B	µg/Kg	1.99E+05
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	Naphthalene	1300		µg/Kg	4.50E+04
31010-SB24-(4.0-6.0)DL	SB24	04.0-6.0	3/12/2002	Naphthalene	1200	D	µg/Kg	4.50E+04
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	Phenanthrene	4700		µg/Kg	1.83E+06
31010-SB24-(4.0-6.0)DL	SB24	04.0-6.0	3/12/2002	Phenanthrene	4100	D	µg/Kg	1.83E+06
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	Xylene (total)	250		µg/Kg	1.09E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	1,2,4-Trimethylbenzene	5500	E	µg/Kg	67000*
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	1,2,4-Trimethylbenzene	8400	D	µg/Kg	67000*
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	1,3,5-Trimethylbenzene	2500		µg/Kg	47,000*
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	1,3,5-Trimethylbenzene	3400	D	µg/Kg	47,000*
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	2-Methylnaphthalene	33000	E	µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/12/2002	2-Methylnaphthalene	21000	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	4-Isopropyltoluene	930		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	4-Isopropyltoluene	2100	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	4/5/2002	Barium	33.1		mg/Kg	15,600
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	bis(2-Ethylhexyl)phthalate	120	J	µg/Kg	2.80E+05
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	4/5/2002	Cadmium	0.14	B	mg/Kg	77.9
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	4/5/2002	Chromium	1.2		mg/Kg	280*
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Chrysene	100	J	µg/Kg	4.81E+05
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Dibenzofuran	3700		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/12/2002	Dibenzofuran	5000	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/14/2002	Diesel (C12-C24)	30000	D	mg/Kg	520**
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	Ethylbenzene	270		µg/Kg	6.96E+04
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	Ethylbenzene	270	JD	µg/Kg	6.96E+04
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Fluoranthene	230	J	µg/Kg	2.29E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Fluorene	7000	E	µg/Kg	2.29E+06

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/12/2002	Fluorene	9300	D	µg/Kg	2.29E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	Isopropylbenzene	340		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	Isopropylbenzene	450	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	4/5/2002	Lead	1.3		mg/Kg	400
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/13/2002	Mercury	0.24	*	mg/Kg	7.71
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	Methylene chloride	70	B	µg/Kg	1.99E+05
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Naphthalene	6400		µg/Kg	4.50E+04
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/12/2002	Naphthalene	3800	JD	µg/Kg	4.50E+04
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	n-Butylbenzene	1900		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	n-Butylbenzene	3500	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	n-Propylbenzene	830		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	n-Propylbenzene	940	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Phenanthrene	9600	E	µg/Kg	1.83E+06
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/12/2002	Phenanthrene	11000	D	µg/Kg	1.83E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Pyrene	190	J	µg/Kg	1.72E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	sec-Butylbenzene	1100		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	sec-Butylbenzene	2200	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	4/5/2002	Selenium	0.4	B	mg/Kg	391
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	Toluene	120		µg/Kg	5.57E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	Xylene (total)	2700		µg/Kg	1.09E+06
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	Xylene (total)	2600	D	µg/Kg	1.09E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	1,2,4-Trimethylbenzene	6900	E	µg/Kg	67000*
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	1,2,4-Trimethylbenzene	7800	D	µg/Kg	67000*
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	1,3,5-Trimethylbenzene	2400	E	µg/Kg	47,000*
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	1,3,5-Trimethylbenzene	2100	D	µg/Kg	47,000*
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	2-Methylnaphthalene	20000	E	µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/12/2002	2-Methylnaphthalene	15000	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	4-Isopropyltoluene	700		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	4-Isopropyltoluene	1000	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/9/2002	Arsenic	1.2		mg/Kg	3.59
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/5/2002	Barium	93.2		mg/Kg	15,600
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/5/2002	Cadmium	0.12	B	mg/Kg	77.9
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/5/2002	Chromium	8.7		mg/Kg	280*

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Dibenzofuran	2900		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/12/2002	Dibenzofuran	3900	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/14/2002	Diesel (C12-C24)	18000	D	mg/Kg	520**
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	Ethylbenzene	410		µg/Kg	6.96E+04
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	Ethylbenzene	300	JD	µg/Kg	6.96E+04
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Fluoranthene	160	J	µg/Kg	2.29E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Fluorene	4700		µg/Kg	2.29E+06
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/12/2002	Fluorene	5700	D	µg/Kg	2.29E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	Isopropylbenzene	420		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	Isopropylbenzene	400	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/5/2002	Lead	4.8		mg/Kg	400
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/13/2002	Mercury	0.02	B*	mg/Kg	7.71
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	Methylene chloride	54	B	µg/Kg	1.99E+05
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Naphthalene	3300		µg/Kg	4.50E+04
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/12/2002	Naphthalene	2200	D	µg/Kg	4.50E+04
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	n-Butylbenzene	1200		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	n-Butylbenzene	1300	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	n-Propylbenzene	900		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	n-Propylbenzene	720	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Phenanthrene	8600	E	µg/Kg	1.83E+06
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/12/2002	Phenanthrene	8400	D	µg/Kg	1.83E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Pyrene	310	J	µg/Kg	1.72E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	sec-Butylbenzene	980		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	sec-Butylbenzene	1300	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/5/2002	Selenium	0.45	B	mg/Kg	391
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	Toluene	270		µg/Kg	5.57E+06
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	Toluene	210	JD	µg/Kg	5.57E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	Xylene (total)	3300		µg/Kg	1.09E+06
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	Xylene (total)	2400	D	µg/Kg	1.09E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	1,2,4-Trimethylbenzene	290		µg/Kg	67000*
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	1,3,5-Trimethylbenzene	330		µg/Kg	47,000*
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	2-Methylnaphthalene	7700	E	µg/Kg	NE
31010-SB24-(19.0-21.0)DL	SB24	19.0-21.0	3/12/2002	2-Methylnaphthalene	9200	D	µg/Kg	NE

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	4-Isopropyltoluene	710		µg/Kg	NE
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/10/2002	Arsenic	1.3		mg/Kg	3.59
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/5/2002	Barium	106		mg/Kg	15,600
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/5/2002	Cadmium	0.3	B	mg/Kg	77.9
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/5/2002	Chromium	11.4		mg/Kg	280*
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Dibenzofuran	1700		µg/Kg	NE
31010-SB24-(19.0-21.0)DL	SB24	19.0-21.0	3/12/2002	Dibenzofuran	1900	D	µg/Kg	NE
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/14/2002	Diesel (C12-C24)	11000	D	mg/Kg	520**
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Ethylbenzene	110		µg/Kg	6.96E+04
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Fluoranthene	100	J	µg/Kg	2.29E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Fluorene	2800		µg/Kg	2.29E+06
31010-SB24-(19.0-21.0)DL	SB24	19.0-21.0	3/12/2002	Fluorene	3500	D	µg/Kg	2.29E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Isopropylbenzene	84		µg/Kg	NE
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/5/2002	Lead	6.9		mg/Kg	400
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/13/2002	Mercury	0.2	*	mg/Kg	7.71
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Methylene chloride	51	B	µg/Kg	1.99E+05
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Naphthalene	2100		µg/Kg	4.50E+04
31010-SB24-(19.0-21.0)DL	SB24	19.0-21.0	3/12/2002	Naphthalene	2500	D	µg/Kg	4.50E+04
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	n-Propylbenzene	220		µg/Kg	NE
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Phenanthrene	3600		µg/Kg	1.83E+06
31010-SB24-(19.0-21.0)DL	SB24	19.0-21.0	3/12/2002	Phenanthrene	3600	D	µg/Kg	1.83E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Pyrene	140	J	µg/Kg	1.72E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	sec-Butylbenzene	810		µg/Kg	NE
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/5/2002	Selenium	0.55	B	mg/Kg	391
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Toluene	140		µg/Kg	5.57E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Xylene (total)	250		µg/Kg	1.09E+06
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	1,2,4-Trimethylbenzene	2800	E	µg/Kg	67000*
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	1,2,4-Trimethylbenzene	4300	D	µg/Kg	67000*
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	1,3,5-Trimethylbenzene	770		µg/Kg	47,000*
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	1,3,5-Trimethylbenzene	980	D	µg/Kg	47,000*
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	2-Methylnaphthalene	5700		µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	4-Isopropyltoluene	330		µg/Kg	NE
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	4-Isopropyltoluene	550	D	µg/Kg	NE

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	4/10/2002	Arsenic	1.2		mg/Kg	3.59
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	4/5/2002	Barium	75.9		mg/Kg	15,600
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	4/5/2002	Cadmium	0.34	B	mg/Kg	77.9
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	4/5/2002	Chromium	8.1		mg/Kg	280*
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	Dibenzofuran	1100		µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/14/2002	Diesel (C12-C24)	3200	D	mg/Kg	520**
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	Ethylbenzene	620		µg/Kg	6.96E+04
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	Ethylbenzene	720	D	µg/Kg	6.96E+04
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	Fluorene	1200		µg/Kg	2.29E+06
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	Isopropylbenzene	260		µg/Kg	NE
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	Isopropylbenzene	300	JD	µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	4/5/2002	Lead	5.5		mg/Kg	400
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	Methylene chloride	49	B	µg/Kg	1.99E+05
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	Naphthalene	1400		µg/Kg	4.50E+04
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	n-Butylbenzene	850		µg/Kg	NE
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	n-Butylbenzene	1200	D	µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	n-Propylbenzene	550		µg/Kg	NE
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	n-Propylbenzene	660	D	µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	Phenanthrene	2300		µg/Kg	1.83E+06
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	Pyrene	160	J	µg/Kg	1.72E+06
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	sec-Butylbenzene	410		µg/Kg	NE
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	sec-Butylbenzene	610	D	µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	Toluene	510		µg/Kg	5.57E+06
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	Toluene	590	D	µg/Kg	5.57E+06
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	Xylene (total)	2300		µg/Kg	1.09E+06
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	Xylene (total)	2500	D	µg/Kg	1.09E+06
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	4/10/2002	Arsenic	0.67	B	mg/Kg	3.59
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	4/5/2002	Barium	31.7		mg/Kg	15,600
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	3/11/2002	bis(2-Ethylhexyl)phthalate	120	J	µg/Kg	2.80E+05
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	4/5/2002	Cadmium	0.11	B	mg/Kg	77.9
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	4/5/2002	Chromium	2		mg/Kg	280*
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	3/11/2002	Chrysene	94	J	µg/Kg	4.81E+05
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	3/13/2002	Diesel (C12-C24)	3000	D	mg/Kg	520**

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	**Soil Boring**	**Depth**	**Date Analyzed**	**Analyte**	**Result**	**Flag**	**Units**	**NMED SSL**
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	4/5/2002	Lead	1.5		mg/Kg	400
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	3/8/2002	Methylene chloride	11	B	µg/Kg	1.99E+05
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	3/11/2002	Pyrene	190	J	µg/Kg	1.72E+06
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	1,2,4-Trimethylbenzene	3400	E	µg/Kg	67000*
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	1,2,4-Trimethylbenzene	3700	D	µg/Kg	67000*
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	1,3,5-Trimethylbenzene	1300		µg/Kg	47,000*
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	1,3,5-Trimethylbenzene	1200	D	µg/Kg	47,000*
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	2-Methylnaphthalene	34000	E	µg/Kg	NE
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/12/2002	2-Methylnaphthalene	22000	D	µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	4-Isopropyltoluene	580		µg/Kg	NE
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	4-Isopropyltoluene	810	D	µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Arsenic	0.58	B	mg/Kg	3.59
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Barium	27.2		mg/Kg	15,600
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	bis(2-Ethylhexyl)phthalate	150	J	µg/Kg	2.80E+05
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Cadmium	0.09	B	mg/Kg	77.9
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Chromium	1.5		mg/Kg	280*
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Chrysene	120	J	µg/Kg	4.81E+05
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Dibenzofuran	3500		µg/Kg	NE
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/12/2002	Dibenzofuran	4600	D	µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/14/2002	Diesel (C12-C24)	25000	D	mg/Kg	520**
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Ethylbenzene	110		µg/Kg	6.96E+04
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Fluoranthene	300	J	µg/Kg	2.29E+06
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Fluorene	5600		µg/Kg	2.29E+06
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/12/2002	Fluorene	6100	D	µg/Kg	2.29E+06
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Isopropylbenzene	73		µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Lead	1.4		mg/Kg	400
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Methylene chloride	53	B	µg/Kg	1.99E+05
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Naphthalene	6100		µg/Kg	4.50E+04
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/12/2002	Naphthalene	3100	JD	µg/Kg	4.50E+04
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	n-Butylbenzene	880		µg/Kg	NE
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	n-Butylbenzene	660	D	µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	n-Propylbenzene	150		µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Phenanthrene	13000	E	µg/Kg	1.83E+06

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/12/2002	Phenanthrene	12000	D	µg/Kg	1.83E+06
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Pyrene	280	J	µg/Kg	1.72E+06
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	sec-Butylbenzene	220		µg/Kg	NE
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	sec-Butylbenzene	260	JD	µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Selenium	0.34	B	mg/Kg	391
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Xylene (total)	520		µg/Kg	1.09E+06
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	Xylene (total)	310	JD	µg/Kg	1.09E+06
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	1,2,3-Trichlorobenzene	87	JD	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	1,2,4-Trimethylbenzene	240		µg/Kg	67000*
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	1,2,4-Trimethylbenzene	210	JD	µg/Kg	67000*
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	1,3,5-Trimethylbenzene	5600	E	µg/Kg	47,000*
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	1,3,5-Trimethylbenzene	5200	D	µg/Kg	47,000*
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	2-Butanone	93	JD	µg/Kg	3.96E+07
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	2-Hexanone	84	JD	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	2-Methylnaphthalene	11000	E	µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/12/2002	2-Methylnaphthalene	12000	D	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	4-Isopropyltoluene	2200		µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	4-Isopropyltoluene	2800	D	µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Acetone	83	JD	µg/Kg	6.75E+07
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	4/5/2002	Barium	58.9		mg/Kg	15,600
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	4/5/2002	Cadmium	0.09	B	mg/Kg	77.9
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	4/5/2002	Chromium	3.3		mg/Kg	280*
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Chrysene	130	J	µg/Kg	4.81E+05
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Dibenzofuran	6000		µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/12/2002	Dibenzofuran	6000	D	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/14/2002	Diesel (C12-C24)	35000	D	mg/Kg	520**
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Ethylbenzene	880		µg/Kg	6.96E+04
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Ethylbenzene	660	D	µg/Kg	6.96E+04
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Fluoranthene	330	J	µg/Kg	2.29E+06
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Fluorene	12000	E	µg/Kg	2.29E+06
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/12/2002	Fluorene	12000	D	µg/Kg	2.29E+06
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Isopropylbenzene	1200		µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Isopropylbenzene	1100	D	µg/Kg	NE

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	**Soil Boring**	**Depth**	**Date Analyzed**	**Analyte**	**Result**	**Flag**	**Units**	**NMED SSL**
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	4/5/2002	Lead	2.2		mg/Kg	400
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Methylene chloride	55	B	µg/Kg	1.99E+05
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Methylene chloride	67	JD	µg/Kg	1.99E+05
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	n-Butylbenzene	4600	E	µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	n-Butylbenzene	5700	D	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	n-Propylbenzene	3500	E	µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	n-Propylbenzene	2300	D	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Phenanthrene	14000	E	µg/Kg	1.83E+06
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/12/2002	Phenanthrene	14000	D	µg/Kg	1.83E+06
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Pyrene	350	J	µg/Kg	1.72E+06
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	sec-Butylbenzene	2900	E	µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	sec-Butylbenzene	3300	D	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Toluene	180		µg/Kg	5.57E+06
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Toluene	150	JD	µg/Kg	5.57E+06
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Xylene (total)	2500		µg/Kg	1.09E+06
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Xylene (total)	1900	D	µg/Kg	1.09E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	1,2,4-Trimethylbenzene	3700	E	µg/Kg	67000*
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	1,2,4-Trimethylbenzene	4400	D	µg/Kg	67000*
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	1,3,5-Trimethylbenzene	2400		µg/Kg	47,000*
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	1,3,5-Trimethylbenzene	2400	D	µg/Kg	47,000*
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	2-Methylnaphthalene	17000	E	µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/12/2002	2-Methylnaphthalene	17000	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	4-Isopropyltoluene	750		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	4-Isopropyltoluene	1100	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/10/2002	Arsenic	1.7		mg/Kg	3.59
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/5/2002	Barium	124		mg/Kg	15,600
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/5/2002	Cadmium	0.06	B	mg/Kg	77.9
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/5/2002	Chromium	14.8		mg/Kg	280*
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Chrysene	91	J	µg/Kg	4.81E+05
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Dibenzofuran	4200		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/12/2002	Dibenzofuran	5700	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/14/2002	Diesel (C12-C24)	24000	D	mg/Kg	520**
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Ethylbenzene	790		µg/Kg	6.96E+04

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	Ethylbenzene	680	D	µg/Kg	6.96E+04
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Fluoranthene	230	J	µg/Kg	2.29E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Fluorene	5900		µg/Kg	2.29E+06
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/12/2002	Fluorene	8100	D	µg/Kg	2.29E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Isopropylbenzene	640		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	Isopropylbenzene	620	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/5/2002	Lead	8.2		mg/Kg	400
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Methylene chloride	45	B	µg/Kg	1.99E+05
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Naphthalene	3200		µg/Kg	4.50E+04
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/12/2002	Naphthalene	3000	D	µg/Kg	4.50E+04
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	n-Butylbenzene	1500		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	n-Butylbenzene	2000	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	n-Propylbenzene	1300		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	n-Propylbenzene	1100	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Phenanthrene	12000	E	µg/Kg	1.83E+06
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/12/2002	Phenanthrene	12000	D	µg/Kg	1.83E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Pyrene	240	J	µg/Kg	1.72E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	sec-Butylbenzene	1100		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	sec-Butylbenzene	1500	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/5/2002	Selenium	0.95	B	mg/Kg	391
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Toluene	290		µg/Kg	5.57E+06
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	Toluene	260	JD	µg/Kg	5.57E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Xylene (total)	3100		µg/Kg	1.09E+06
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	Xylene (total)	2700	D	µg/Kg	1.09E+06
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	1,2,4-Trimethylbenzene	140		µg/Kg	67000*
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	1,3,5-Trimethylbenzene	160		µg/Kg	47,000*
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	2-Methylnaphthalene	3100		µg/Kg	NE
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	4-Isopropyltoluene	230		µg/Kg	NE
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	4/10/2002	Arsenic	0.82	B	mg/Kg	3.59
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	4/5/2002	Barium	63.9		mg/Kg	15,600
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	4/5/2002	Cadmium	0.22	B	mg/Kg	77.9
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	4/5/2002	Chromium	7.2		mg/Kg	280*
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	Dibenzofuran	910		µg/Kg	NE

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/14/2002	Diesel (C12-C24)	5200	D	mg/Kg	520**
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	Ethylbenzene	81		µg/Kg	6.96E+04
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	Fluorene	1200		µg/Kg	2.29E+06
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	Isopropylbenzene	38		µg/Kg	NE
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	4/5/2002	Lead	4.4		mg/Kg	400
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	Methylene chloride	25	BJ	µg/Kg	1.99E+05
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	Naphthalene	870		µg/Kg	4.50E+04
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	n-Propylbenzene	95		µg/Kg	NE
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	Phenanthrene	1500		µg/Kg	1.83E+06
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	Pyrene	150	J	µg/Kg	1.72E+06
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	sec-Butylbenzene	240		µg/Kg	NE
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	Toluene	88		µg/Kg	5.57E+06
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	Xylene (total)	180		µg/Kg	1.09E+06
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	1,2,4-Trimethylbenzene	3100	E	µg/Kg	67000*
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	1,2,4-Trimethylbenzene	3800	D	µg/Kg	67000*
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	1,3,5-Trimethylbenzene	810		µg/Kg	47,000*
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	1,3,5-Trimethylbenzene	760	D	µg/Kg	47,000*
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	2-Methylnaphthalene	7100		µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	4-Isopropyltoluene	340		µg/Kg	NE
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	4-Isopropyltoluene	390	JD	µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Acenaphthene	510		µg/Kg	3.44E+06
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	4/10/2002	Arsenic	1.2		mg/Kg	3.59
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	4/5/2002	Barium	40.5		mg/Kg	15,600
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	4/5/2002	Cadmium	0.24	B	mg/Kg	77.9
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	4/5/2002	Chromium	8.6		mg/Kg	280*
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Dibenzofuran	930		µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/14/2002	Diesel (C12-C24)	3100	D	mg/Kg	520**
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	Ethylbenzene	640		µg/Kg	6.96E+04
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	Ethylbenzene	540	D	µg/Kg	6.96E+04
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Fluorene	1200		µg/Kg	2.29E+06
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	Isopropylbenzene	270		µg/Kg	NE
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	Isopropylbenzene	220	JD	µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	4/5/2002	Lead	5.5		mg/Kg	400

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	Methylene chloride	34	BJ	µg/Kg	1.99E+05
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Naphthalene	1400		µg/Kg	4.50E+04
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	n-Butylbenzene	740		µg/Kg	NE
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	n-Butylbenzene	720	D	µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	n-Propylbenzene	510		µg/Kg	NE
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	n-Propylbenzene	450	D	µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Phenanthrene	2700		µg/Kg	1.83E+06
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Pyrene	210	J	µg/Kg	1.72E+06
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	sec-Butylbenzene	400		µg/Kg	NE
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	sec-Butylbenzene	400	JD	µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	Toluene	640		µg/Kg	5.57E+06
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	Toluene	520	D	µg/Kg	5.57E+06
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	Xylene (total)	2400		µg/Kg	1.09E+06
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	Xylene (total)	2000	D	µg/Kg	1.09E+06
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/5/2002	Arsenic	0.77	B	mg/Kg	3.59
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/5/2002	Barium	32.1		mg/Kg	15,600
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	3/11/2002	bis(2-Ethylhexyl)phthalate	94	J	µg/Kg	2.80E+05
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/10/2002	Cadmium	0.63		mg/Kg	77.9
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/5/2002	Chromium	2.1		mg/Kg	280*
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	3/13/2002	Diesel (C12-C24)	1700	D	mg/Kg	520**
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/5/2002	Lead	4.1		mg/Kg	400
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	3/13/2002	Mercury	0.01	B*	mg/Kg	7.71
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	3/11/2002	Methylene chloride	6	B	µg/Kg	1.99E+05
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/5/2002	Selenium	0.31	B	mg/Kg	391
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	1,2,4-Trimethylbenzene	1500		µg/Kg	67000*
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	1,3,5-Trimethylbenzene	1300		µg/Kg	47,000*
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	2-Methylnaphthalene	19000	E	µg/Kg	NE
31010-SB26-(4.0-6.0)DL	SB26	04.0-6.0	3/12/2002	2-Methylnaphthalene	16000	D	µg/Kg	NE
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	4-Isopropyltoluene	490		µg/Kg	NE
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Arsenic	0.95	B	mg/Kg	3.59
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Barium	14.6	B	mg/Kg	15,600
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	bis(2-Ethylhexyl)phthalate	270	J	µg/Kg	2.80E+05
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Cadmium	0.08	B	mg/Kg	77.9

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Chromium	0.84	B	mg/Kg	280*
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Chrysene	110	J	µg/Kg	4.81E+05
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Dibenzofuran	2000		µg/Kg	NE
31010-SB26-(4.0-6.0)DL	SB26	04.0-6.0	3/12/2002	Dibenzofuran	2400	D	µg/Kg	NE
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/13/2002	Diesel (C12-C24)	27000	D	mg/Kg	520**
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	Ethylbenzene	36	J	µg/Kg	6.96E+04
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Fluoranthene	190	J	µg/Kg	2.29E+06
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Fluorene	3800		µg/Kg	2.29E+06
31010-SB26-(4.0-6.0)DL	SB26	04.0-6.0	3/12/2002	Fluorene	4500	D	µg/Kg	2.29E+06
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Lead	0.84	B	mg/Kg	400
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/13/2002	Mercury	0.01	B*	mg/Kg	7.71
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	Methylene chloride	50	B	µg/Kg	1.99E+05
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Naphthalene	3600		µg/Kg	4.50E+04
31010-SB26-(4.0-6.0)DL	SB26	04.0-6.0	3/12/2002	Naphthalene	2600	D	µg/Kg	4.50E+04
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Phenanthrene	7000		µg/Kg	1.83E+06
31010-SB26-(4.0-6.0)DL	SB26	04.0-6.0	3/12/2002	Phenanthrene	7400	D	µg/Kg	1.83E+06
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Pyrene	150	J	µg/Kg	1.72E+06
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Selenium	0.55	B	mg/Kg	391
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	Toluene	27	J	µg/Kg	5.57E+06
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	Xylene (total)	460		µg/Kg	1.09E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	1,2,3-Trichloropropane	130	JD	µg/Kg	915
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	1,2,4-Trimethylbenzene	4800	E	µg/Kg	67000*
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	1,2,4-Trimethylbenzene	8000	D	µg/Kg	67000*
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	1,3,5-Trimethylbenzene	4100	E	µg/Kg	47,000*
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	1,3,5-Trimethylbenzene	6200	D	µg/Kg	47,000*
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	2-Butanone	440	JD	µg/Kg	3.96E+07
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	2-Hexanone	83	JD	µg/Kg	NE
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	2-Methylnaphthalene	78000	E	µg/Kg	NE
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	2-Methylnaphthalene	53000	D	µg/Kg	NE
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	4-Isopropyltoluene	1200		µg/Kg	NE
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	4-Isopropyltoluene	3000	D	µg/Kg	NE
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Acenaphthene	4900		µg/Kg	3.44E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	Acenaphthene	4900	JD	µg/Kg	3.44E+06

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	4/5/2002	Barium	28.5		mg/Kg	15,600
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	4/5/2002	Cadmium	0.08	B	mg/Kg	77.9
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	4/5/2002	Chromium	1.3		mg/Kg	280*
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Chrysene	300	J	µg/Kg	4.81E+05
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Dibenzofuran	4100		µg/Kg	NE
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	Dibenzofuran	6500	JD	µg/Kg	NE
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/14/2002	Diesel (C12-C24)	38000	D	mg/Kg	520**
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	Ethylbenzene	83		µg/Kg	6.96E+04
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	Ethylbenzene	83	JD	µg/Kg	6.96E+04
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Fluoranthene	600		µg/Kg	2.29E+06
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Fluorene	7100	E	µg/Kg	2.29E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	Fluorene	8900	D	µg/Kg	2.29E+06
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	4/5/2002	Lead	0.92	B	mg/Kg	400
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	Mercury	0.4	*	mg/Kg	7.71
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	Methylene chloride	28	BJ	µg/Kg	1.99E+05
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	Methylene chloride	82	JD	µg/Kg	1.99E+05
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Naphthalene	18000	E	µg/Kg	4.50E+04
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	Naphthalene	11000	D	µg/Kg	4.50E+04
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Phenanthrene	19000	E	µg/Kg	1.83E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	Phenanthrene	20000	D	µg/Kg	1.83E+06
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Pyrene	1500		µg/Kg	1.72E+06
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	4/5/2002	Selenium	0.66	B	mg/Kg	391
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	Styrene	95	JD	µg/Kg	8.97E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	tert-Butylbenzene	75	JD	µg/Kg	NE
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	Toluene	160		µg/Kg	5.57E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	Toluene	120	JD	µg/Kg	5.57E+06
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	Xylene (total)	4500		µg/Kg	1.09E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	Xylene (total)	4400	D	µg/Kg	1.09E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	1,2,4-Trimethylbenzene	12000	E	µg/Kg	67000*
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	1,2,4-Trimethylbenzene	18000	D	µg/Kg	67000*
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	1,3,5-Trimethylbenzene	4400	E	µg/Kg	47,000*
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	1,3,5-Trimethylbenzene	5400	D	µg/Kg	47,000*
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	2-Methylnaphthalene	39000	E	µg/Kg	NE

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	2-Methylnaphthalene	34000	D	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	4-Isopropyltoluene	1200		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	4-Isopropyltoluene	2600	D	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Acenaphthene	2900		µg/Kg	3.44E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Acenaphthene	2500	JD	µg/Kg	3.44E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	4/10/2002	Arsenic	1.1		mg/Kg	3.59
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	4/5/2002	Barium	109		mg/Kg	15,600
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	4/5/2002	Chromium	8.6		mg/Kg	280*
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Chrysene	180	J	µg/Kg	4.81E+05
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Dibenzofuran	2700		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Dibenzofuran	3500	JD	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/14/2002	Diesel (C12-C24)	18000	D	mg/Kg	520**
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	Ethylbenzene	1000		µg/Kg	6.96E+04
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	Ethylbenzene	870	D	µg/Kg	6.96E+04
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Fluoranthene	400		µg/Kg	2.29E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Fluorene	4400		µg/Kg	2.29E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Fluorene	5000	D	µg/Kg	2.29E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	Isopropylbenzene	380		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	Isopropylbenzene	460	D	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	4/5/2002	Lead	5.2		mg/Kg	400
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	Methylene chloride	30	BJ	µg/Kg	1.99E+05
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Naphthalene	12000	E	µg/Kg	4.50E+04
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Naphthalene	8800	D	µg/Kg	4.50E+04
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	n-Butylbenzene	1300		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	n-Butylbenzene	1100	D	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	n-Propylbenzene	820		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	n-Propylbenzene	820	D	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Phenanthrene	12000	E	µg/Kg	1.83E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Phenanthrene	11000	D	µg/Kg	1.83E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Pyrene	1000		µg/Kg	1.72E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Pyrene	1200	JD	µg/Kg	1.72E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	sec-Butylbenzene	650		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	sec-Butylbenzene	1200	D	µg/Kg	NE

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	4/5/2002	Selenium	0.49	B	mg/Kg	391
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	Toluene	820		µg/Kg	5.57E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	Toluene	550	D	µg/Kg	5.57E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	Xylene (total)	8300	E	µg/Kg	1.09E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	Xylene (total)	7600	D	µg/Kg	1.09E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	1,2,4-Trimethylbenzene	2100		µg/Kg	67000*
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	1,3,5-Trimethylbenzene	800		µg/Kg	47,000*
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	2-Methylnaphthalene	27000	E	µg/Kg	NE
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	2-Methylnaphthalene	23000	D	µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	4-Isopropyltoluene	330		µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Acenaphthene	1600		µg/Kg	3.44E+06
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Acenaphthene	1700	JD	µg/Kg	3.44E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	4/5/2002	Arsenic	0.52	B	mg/Kg	3.59
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	4/5/2002	Barium	48.4		mg/Kg	15,600
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	4/5/2002	Cadmium	0.11	B	mg/Kg	77.9
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	4/5/2002	Chromium	5.5		mg/Kg	280*
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Chrysene	120	J	µg/Kg	4.81E+05
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Dibenzofuran	2600		µg/Kg	NE
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Dibenzofuran	3200	D	µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/14/2002	Diesel (C12-C24)	13000	D	mg/Kg	520**
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	Ethylbenzene	340		µg/Kg	6.96E+04
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Fluoranthene	250	J	µg/Kg	2.29E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Fluorene	3600		µg/Kg	2.29E+06
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Fluorene	4300	D	µg/Kg	2.29E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	Isopropylbenzene	190		µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	4/5/2002	Lead	3.2		mg/Kg	400
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	Methylene chloride	26	BJ	µg/Kg	1.99E+05
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Naphthalene	8700	E	µg/Kg	4.50E+04
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Naphthalene	6600	D	µg/Kg	4.50E+04
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	n-Propylbenzene	390		µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Phenanthrene	9100	E	µg/Kg	1.83E+06
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Phenanthrene	7900	D	µg/Kg	1.83E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Pyrene	620		µg/Kg	1.72E+06

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Pyrene	710	JD	µg/Kg	1.72E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	sec-Butylbenzene	350		µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	Toluene	220		µg/Kg	5.57E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	Xylene (total)	1300		µg/Kg	1.09E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	1,2,4-Trimethylbenzene	8		µg/Kg	67000*
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	1,3,5-Trimethylbenzene	2	J	µg/Kg	47,000*
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	2-Methylnaphthalene	9700	E	µg/Kg	NE
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	2-Methylnaphthalene	9600	D	µg/Kg	NE
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Acenaphthene	550		µg/Kg	3.44E+06
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Acenaphthene	680	JD	µg/Kg	3.44E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	4/5/2002	Arsenic	0.9	B	mg/Kg	3.59
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	4/5/2002	Barium	109		mg/Kg	15,600
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	4/5/2002	Cadmium	0.18	B	mg/Kg	77.9
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	4/5/2002	Chromium	7.8		mg/Kg	280*
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Dibenzofuran	1300		µg/Kg	NE
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Dibenzofuran	1200	D	µg/Kg	NE
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/14/2002	Diesel (C12-C24)	5200	D	mg/Kg	520**
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Ethylbenzene	1	J	µg/Kg	6.96E+04
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Fluoranthene	92	J	µg/Kg	2.29E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Fluorene	1500		µg/Kg	2.29E+06
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Fluorene	1600	D	µg/Kg	2.29E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	4/5/2002	Lead	3.9		mg/Kg	400
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Methylene chloride	7	B	µg/Kg	1.99E+05
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Naphthalene	2300		µg/Kg	4.50E+04
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Naphthalene	2200	D	µg/Kg	4.50E+04
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	n-Butylbenzene	4	J	µg/Kg	NE
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Phenanthrene	3600		µg/Kg	1.83E+06
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Phenanthrene	3400	D	µg/Kg	1.83E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Pyrene	300	J	µg/Kg	1.72E+06
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Pyrene	250	JD	µg/Kg	1.72E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Xylene (total)	2	J	µg/Kg	1.09E+06
		* EPA Region IX RSL						
		** NMED TPH Screening Guideline						

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	**Soil Boring**	**Depth**	**Date Analyzed**	**Analyte**	**Result**	**Flag**	**Units**	**NMED SSL**
		> - Greater than indicated temperature.						
		D or DL - Diluted Sample.						
		E - Compound was over the calibration range.						
		J - Estimated Value. Compound detected below reporting limit.						
		P - The percentage difference between the results of the two columns is > 25%.						
		U - Not Detected at the Indicated Laboratory Repoting Limit.						

APPENDIX A

DISPOSAL MANIFESTS *(on CD only)*

APPENDIX B

TOTAL RCRA METALS ANALYSIS OF
CLEAN FILL MATERIAL

ASSAIGAI ANALYTICAL LABORATORIES, INC.
4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259
3332 Wedgewood, Ste. N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820
127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

RHINO ENVIRONMENTAL
attn: **DANIELLE BERARDELLI/ JOSE OJEDA**
PO BOX 310
CANUTILLO TX 79835

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **RHINO ENVIRONMENTAL**
Project: **RHINO CLEAN-FILL**
Order: **0705511 RHI01E** Receipt: **05-15-07**

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***CLEAN FILL*** Collected: *05-15-07 10:00:00* By: *JO*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0705511-0001A		**SW846 3050B/6010B ICP**					By:	AZC		
M07525	MT.2007.854.22	7440-38-2	Arsenic	ND	mg/kg	10	0.25		05-17-07	05-18-07
M07525	MT.2007.854.22	7440-39-3	Barium	35.3	mg/kg	10	0.15		05-17-07	05-18-07
M07525	MT.2007.854.22	7440-43-9	Cadmium	ND	mg/kg	10	0.25		05-17-07	05-18-07
M07525	MT.2007.854.22	7440-47-3	Chromium	5.76	mg/kg	10	0.1		05-17-07	05-18-07
M07525	MT.2007.854.22	7439-92-1	Lead	8.46	mg/kg	10	0.25		05-17-07	05-18-07
M07525	MT.2007.872.22	7782-49-2	Selenium	ND	mg/kg	10	0.5		05-17-07	05-23-07
M07525	MT.2007.854.22	7440-22-4	Silver	ND	mg/kg	10	0.25		05-17-07	05-18-07
0705511-0001A		**SW846 7471B CVAA**					By:	DPA		
M07564	MT.2007.914.13	7439-97-6	Mercury	ND	ug/Kg	1	20		05-29-07	05-29-07

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: 5/30/2007 9:04:30 AM

REPRODUCTION OF THIS REPORT IN LESS THAN FULL REQUIRES THE WRITTEN CONSENT OF AAL.
THIS REPORT MAY NOT BE USED IN ANY MANNER BY THE CLIENT OR ANY OTHER THIRD PARTY TO CLAIM
PRODUCT ENDORSEMENT BY THE NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM.

ASSAIGAI ANALYTICAL LABORATORIES, INC.

Chain of Custody Record

4301 Masthead N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505) 345-8964

3332 WEDGEWOOD
EL PASO, TEXAS 79925
(915) 593-6000

127 EASTGATE DRIVE, 212-C
LOS ALAMOS, NEW MEXICO 87544
(505) 662-2558

Lab job No. 070551 Date 5-15-07

Page 1 of 1

Client: Rhino Environmental
Address: PO Box 310
City / State / Zip: Camarillo TX 79835
Project Name / Number: Rhino Clean-Fill
Contract / Purchase Order / Quote: José Quella

Project Manager / Contact: José Quella
Telephone No.: (915) 886-4356
Fax No.: (915) 886-4358
Samplers : (signature)

Analysis Required

AALI Fraction Number	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation Temp.	Preservation Chemical	No. of Containers	Remarks
070510A	Clean Fill	5-15-07	10:00	Soil	8 oz Glass	Ice	-	1	

OFFICE USE ONLY

Relinquished by:	Date / Time	Received by:	Relinquished by:	Date / Time	Received by:
Signature: José Quella	5-15-07	Signature: [illegible]	Signature: [illegible]	5/16/07	Signature: [illegible]
Printed: José Quella	10:42	Printed: Alfonso Gutierrez	Printed: Alfonso Gutierrez	10:10	Printed:
Company: Rhino		Company: AAL-EP	Company: AAL-EP		Company: AAL
Reason: Analysis		Reason: Transp.	Reason: Analysis		Reason:

Method of Shipment:
Shipment No.:
Special Instructions:

Comments:

After analysis, samples are to be:
- ❑ Disposed of (additional fee)
- ❑ Stored (30 days max)
- ❑ Stored over 30 days (additional fee)
- ❑ Returned to customer

ASSAIGAI PROJECT FILE

Assaigai Analytical Laboratories, Inc.

Quality Control Summary

Client: **RHINO ENVIRONMENTAL**

Project: **RHINO CLEAN-FILL**

Order: **0705511 RHI01E**

Test: **SW846 3050B/6010B ICP**

Batch: **M07525**

Matrix: ***SOLID***

MB: Method Blank **Lab Sample ID: N/A** **M07525-001**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.20	7440-38-2	Arsenic	ND	mg/kg		1	0.25		05-18-07
MT.2007.854.20	7440-39-3	Barium	ND	mg/kg		1	0.15		05-18-07
MT.2007.854.20	7440-43-9	Cadmium	ND	mg/kg		1	0.25		05-18-07
MT.2007.854.20	7440-47-3	Chromium	ND	mg/kg		1	0.1		05-18-07
MT.2007.854.20	7439-92-1	Lead	0.454	mg/kg		1	0.25		05-18-07
MT.2007.872.20	7782-49-2	Selenium	ND	mg/kg		1	0.5		05-23-07
MT.2007.854.20	7440-22-4	Silver	ND	mg/kg		1	0.25		05-18-07

LCS: Lab Control Spike **Lab Sample ID: N/A** **M07525-002**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.21	7440-38-2	Arsenic	100.1	% Recovery	80 - 120	1	NA		05-18-07
MT.2007.854.21	7440-39-3	Barium	97.3	% Recovery	80 - 120	1	NA		05-18-07
MT.2007.854.21	7440-43-9	Cadmium	95.7	% Recovery	80 - 120	1	NA		05-18-07
MT.2007.854.21	7440-47-3	Chromium	98.7	% Recovery	80 - 120	1	NA		05-18-07
MT.2007.854.21	7439-92-1	Lead	112.4	% Recovery	80 - 120	1	NA		05-18-07
MT.2007.872.21	7782-49-2	Selenium	94.6	% Recovery	80 - 120	1	NA		05-23-07
MT.2007.854.21	7440-22-4	Silver	96.9	% Recovery	80 - 120	1	NA		05-18-07

MS: Matrix Spike **Lab Sample ID: 0705511-0001A** **M07525-004**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.23	7440-38-2	Arsenic	44.8	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.23	7440-39-3	Barium	120.7	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.23	7440-43-9	Cadmium	82.0	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.23	7440-47-3	Chromium	88.7	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.23	7439-92-1	Lead	17.4	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.872.23	7782-49-2	Selenium	111.7	% Recovery	80 - 120	10	NA		05-23-07
MT.2007.854.23	7440-22-4	Silver	97.3	% Recovery	80 - 120	10	NA		05-18-07

MSD: Matrix Spike Duplicate Precision **Lab Sample ID: 0705511-0001A** **M07525-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.24	7440-38-2	Arsenic	200	RPD	0 - 20	10	NA		05-18-07
MT.2007.854.24	7440-39-3	Barium	8.70	RPD	0 - 20	10	NA		05-18-07
MT.2007.854.24	7440-43-9	Cadmium	2.76	RPD	0 - 20	10	NA		05-18-07
MT.2007.854.24	7440-47-3	Chromium	5.84	RPD	0 - 20	10	NA		05-18-07

Assaigai Analytical Laboratories, Inc.

Quality Control Summary

Client: **RHINO ENVIRONMENTAL**
Project: **RHINO CLEAN-FILL**
Order: **0705511 RHI01E**

Test: **SW846 3050B/6010B ICP**
Batch: **M07525**
Matrix: ***SOLID***

MSD: Matrix Spike Duplicate Precision **Lab Sample ID: 0705511-0001A** **M07525-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.24	7439-92-1	Lead	7.90	RPD	0 - 20	10	NA		05-18-07
MT.2007.872.24	7782-49-2	Selenium	7.08	RPD	0 - 20	10	NA		05-23-07
MT.2007.854.24	7440-22-4	Silver	14.9	RPD	0 - 20	10	NA		05-18-07

MSD: Matrix Spike Duplicate Accuracy **Lab Sample ID: 0705511-0001A** **M07525-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.24	7440-38-2	Arsenic	0.0	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.24	7440-39-3	Barium	51.8	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.24	7440-43-9	Cadmium	79.8	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.24	7440-47-3	Chromium	77.1	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.24	7439-92-1	Lead	32.7	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.872.24	7782-49-2	Selenium	104.1	% Recovery	80 - 120	10	NA		05-23-07
MT.2007.854.24	7440-22-4	Silver	83.8	% Recovery	80 - 120	10	NA		05-18-07

MD: Matrix Duplicate **Lab Sample ID: 0705511-0001A** **M07525-006**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.25	7440-38-2	Arsenic	NA	RPD	0 - 20	10	NA		05-18-07
MT.2007.854.25	7440-39-3	Barium	4.99	RPD	0 - 20	10	NA		05-18-07
MT.2007.854.25	7440-43-9	Cadmium	NA	RPD	0 - 20	10	NA		05-18-07
MT.2007.854.25	7440-47-3	Chromium	0.914	RPD	0 - 20	10	NA		05-18-07
MT.2007.854.25	7439-92-1	Lead	43.2	RPD	0 - 20	10	NA		05-18-07
MT.2007.872.25	7782-49-2	Selenium	NA	RPD	0 - 20	10	NA		05-23-07
MT.2007.854.25	7440-22-4	Silver	NA	RPD	0 - 20	10	NA		05-18-07

SD: Serial Dilution **Lab Sample ID: 0705511-0001A** **M07525-007**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.26	7440-38-2	Arsenic	NA	RPD	0 - 20	50	NA		05-18-07
MT.2007.854.26	7440-39-3	Barium	1.67	RPD	0 - 20	50	NA		05-18-07
MT.2007.854.26	7440-43-9	Cadmium	NA	RPD	0 - 20	50	NA		05-18-07
MT.2007.854.26	7440-47-3	Chromium	9.75	RPD	0 - 20	50	NA		05-18-07
MT.2007.854.26	7439-92-1	Lead	22.9	RPD	0 - 20	50	NA		05-18-07
MT.2007.872.26	7782-49-2	Selenium	NA	RPD	0 - 20	50	NA		05-23-07
MT.2007.854.26	7440-22-4	Silver	NA	RPD	0 - 20	50	NA		05-18-07

Assaigai Analytical Laboratories, Inc.

Quality Control Summary

Client: **RHINO ENVIRONMENTAL**
Project: **RHINO CLEAN-FILL**
Order: **0705511 RHI01E**

Test: **SW846 7471B CVAA**
Batch: **M07564**
Matrix: ***SOLID***

MB: Method Blank **Lab Sample ID: N/A** **M07564-001**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.11	7439-97-6	Mercury	ND	ug/Kg		1	20		05-29-07

LCS: Lab Control Spike **Lab Sample ID: N/A** **M07564-002**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.12	7439-97-6	Mercury	96.4	% Recovery	80 - 120	1	NA		05-29-07

MS: Matrix Spike **Lab Sample ID: 0705511-0001A** **M07564-004**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.14	7439-97-6	Mercury	98.5	% Recovery	80 - 120	1	NA		05-29-07

MSD: Matrix Spike Duplicate Precision **Lab Sample ID: 0705511-0001A** **M07564-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.15	7439-97-6	Mercury	3.79	RPD	0 - 20	1	NA		05-29-07

MSD: Matrix Spike Duplicate Accuracy **Lab Sample ID: 0705511-0001A** **M07564-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.15	7439-97-6	Mercury	94.8	% Recovery	80 - 120	1	NA		05-29-07

MD: Matrix Duplicate **Lab Sample ID: 0705511-0001A** **M07564-006**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.16	7439-97-6	Mercury	NA	RPD	0 - 20	1	NA		05-29-07

SD: Serial Dilution **Lab Sample ID: 0705511-0001A** **M07564-007**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.17	7439-97-6	Mercury	NA	RPD	0 - 20	5	NA		05-29-07

APPENDIX C

CONFIRMATION SAMPLE ANALYTICAL RESULTS
ANALYTICAL RESULTS

(on CD only)

APPENDIX D

DENVER SOIL DENSITY TEST

FIELD DENSITY TESTING

Report Number: 68071070.0001
Service Date: July 12, 2007

Terracon
1630 Hickory Loop, Suite H
Las Cruces, New Mexico 88005
(505) 527-1700

Client:
Rhino Environmental Services
Attn: Daniele Berardelli
PO Box 310
Canutillo TX 79835

Report Date: August 14, 2007
Project: WSMR Denver Site
60 Miles Northwest of the Tulie Gate
WSMR, NM

Project No.: 68071070

Material Information

Material No.	Laboratory Test Method	Description and Classification	Lab Test Data: Optimum Water Content (%)	Lab Test Data: Max. Lab Dry Unit Weight (pcf)	Project Requirements: Water Content (%)	Project Requirements: Minimum Dry Unit Weight (% compaction)
1		Proctor provided by client	8.3	119.0		95

Field Test Data

Test No.	Test Location	Lift/ Elev.	Mat. No.	Probe Depth (inches)	Water Content (%)	Dry Unit Weight (pcf)	Dry Unit Weight (% compaction)
1	Centerline of hole	1st	1	6	7.7	117.2	98
2	Centerline of hole	2nd	1	6	7.7	114.2	96
3	Centerline of hole	3rd	1	6	11.3	114.1	96
4	Centerline of hole	4th	1	6	9.8	113.8	96

Comments:

Test results on this report meet project specification.

Standby-waiting to test 3.0 hours

Services - Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.

Field Test Method: ASTM D2922, ASTM D3017

Gauge ID: 26211 Std Cnt M: 668 Std Cnt D: 2206

Started: 0830 Finished: 1330

Field Results Reported To: Danny

Report Distribution:

Reviewed by: Nancy Reid
Nancy E. Reid
Department Manager I-Technical

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

HMAC FIELD DENSITY TESTING

Report Number: 68071004.0081
Service Date: July 24, 2007

Terracon
1830 Hickory Loop, Suite H
Las Cruces, New Mexico 88005
(505) 527-1700

Client:
Alamo Earthwork & Paving Inc
Attn: Robert Johnson
PO Box 245
Alamogordo NM 88310

Report Date: August 14, 2007
Project: Alamo Earthwork On Call Services 2007
Various Locations
Alamogordo, NM

Project No.: 68071004

Material Information

Material No.	Laboratory Test Method	Description	Lab Test Data: Reference Density (pcf)	Project Requirements: Minimum Thickness (inches)	Minimum Compaction (%)	Maximum Compaction (%)
1		Marshall Value Provided by Client	148.8		95.0	

Field Test Data

Test No.	Location	Pavement Lift	Mat. No.	Nuclear Density (pcf)	Comp. (%)
	Denver site/WSMR				
1	7' North, 10' East of Southwest corner of road, cut out	Final	1	141.3	95

Comments:
Test results on this report meet project specification.

Services - Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.

Field Test Method: ASTM D2922, ASTM D3017
Gauge ID: 26211

Terracon Rep: Gustavo G. Holguin Started: 1030 Finished: 1230
Field Results Reported To: Robert

Report Distribution:

Reviewed by: Nancy Reid
Nancy E. Reid
Department Manager I-Technical

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

FIELD DENSITY TESTING

Report Number: 68071004.0080
Service Date: July 24, 2007

Terracon
1630 Hickory Loop, Suite H
Las Cruces, New Mexico 88005
(505) 527-1700

Client:
Alamo Earthwork & Paving Inc
Attn: Robert Johnson
PO Box 245
Alamogordo NM 88310

Report Date: August 14, 2007
Project: Alamo Earthwork On Call Services 2007
Various Locations
Alamogordo, NM

Project No.: 68071004

Material Information

Material No.	Laboratory Test Method	Description and Classification	Lab Test Data: Optimum Water Content (%)	Lab Test Data: Max. Lab Dry Unit Weight (pcf)	Project Requirements: Water Content (%)	Project Requirements: Minimum Dry Unit Weight (% compaction)
1 510030055	ASTM D1557-00	Silty Gravel with Sand	4.7	142.4	±2	95

Field Test Data

Test No.	Test Location	Lift/ Elev.	Mat. No.	Probe Depth (inches)	Water Content (%)	Dry Unit Weight (pcf)	Dry Unit Weight (% compaction)
	Denver Site/WSMR						
1	5' West, 1' South of Southeast end of road, cut out	FBC	1	BS	2.5	135.7	95

Comments:

Test results on this report meet project specification.

Services - Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.

Field Test Method: ASTM D2922, ASTM D3017
Gauge ID: 26211 Std Cnt M: 686 Std Cnt D: 2206

Terracon Rep: Gustavo G. Holguin Started: 1030 Finished: 1230
Field Results Reported To: Robert

Report Distribution:

Reviewed by: Nancy Reid
Nancy E. Reid
Department Manager I-Technical

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

APPENDIX E

NMED-WSMR CORRESPONDENCE

State of New Mexico
ENVIRONMENT DEPARTMENT
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
Telephone (505) 428-2500
Fax (505) 428-2567
www.nmenv.state.nm.us

BILL RICHARDSON
GOVERNOR

RON CURRY
SECRETARY

DERRITH WATCHMAN-MOORE
DEPUTY SECRETARY

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

November 22, 2004

Thomas A. Ladd, Director
Environment and Safety Directorate
U.S. Army White Sands Missile Range
White Sands Missile Range, New
Mexico 88002-5000

SUBJECT: ADDITION OF NEW SITES TO THE WSMR SOLID WASTE MANAGEMENT UNIT / CORRECTIVE ACTION UNIT SECTION OF THE HAZARDOUS WASTE MANAGEMENT UNIT AUDIT LISTING HWB-WSMR-04-006

Dear Mr. Ladd:

NMED has completed a technical review of WSMR's Letter Report titled *Addition of New Sites to the WSMR Solid Waste Management Unit / Corrective Action Unit Section of the Hazardous Waste Management Annual Unit Audit Listing* and has determined that it complies with WSMR's Hazardous Waste Storage Facility Permit (September 1989), Module VIII, Section E and that it is acceptable.

Within ninety (90) days of receipt of this letter, WSMR must submit a work plan to complete additional investigation activities and to remediate all sites where necessary. All these sites appear to be similar with obvious presumptive remedies. NMED suggests that the work plan be inclusive; meaning screening, soil excavation, and confirmation sample collection for laboratory analysis be completed under the one work plan. WSMR must analyze all confirmation samples

for total petroleum hydrocarbons (TPH) using EPA Method 8015B, metals, volatile organic compounds (VOCs) and semi-volatile organic compounds. WSMR must also propose monitoring well locations at some of the high priority and medium priority sites, if necessary.

If you have any questions regarding this letter, please call Cheryl Frischkorn of my staff at (505) 428-2550.

Sincerely,

John E. Kieling
Manager
Permits Management Program

cc: J. Bearzi, NMED HWB
G. von Gonten, NMED HWB
C. Frischkorn, NMED HWB
L. King, EPA Region 6 (6PD-N)
Gene Forsythe, WSMR

File: Reading File and WSMR 2004 File
HWB-WSMR-04-006

DEPARTMENT OF THE ARMY
U.S. ARMY GARRISON WHITE SANDS
100 Headquarters Avenue
WHITE SANDS MISSILE RANGE, NEW MEXICO 88002-5000

FEB 2 8 2005

REPLY TO
ATTENTION OF
Environment and Safety Directorate

Mr. John Kieling
New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303

SUBJECT: Addition of new sites to the WSMR Solid Waste Management Unit/ Corrective Action Unit Section of the Hazardous Waste Management Unit Audit Listing HWB –WSMR-04-006

Dear Mr. Kieling:

White Sands Missile Range (WSMR) has received your letter dated November 22, 2004 concerning the subject additions.

Per your letter, WSMR must submit:

- A work plan to complete additional investigation and to remediate all sites where necessary.

Response: WSMR has tasked its environmental services contractor to prepare a work plan and to remediate sites SE-50 and SE-70 this fiscal year (FY05). Funding for remediation of the remainder of the sites is programmed for FY 2006 and beyond. The work plan will be submitted by July 2005.

We believe this approach is reasonable and practical and will allow your office and WSMR to make the best decision for all stakeholders and the environment. We look forward to working with your staff in accomplishing our common goals.

Copies furnished to Ms. Leslie Christopolous, U.S. Army Installation Management Agency; Mr. John Kieling, NMED-HWB; Mr. James Harris, Region VI EPA; Mr. Joe King, U.S. Army Environmental Center; and White Sands Technical Services.

Should you have any questions regarding this matter, please contact Mr. George Fish at (505) 678-1007.

Sincerely,

Thomas A. Ladd

Thomas A. Ladd
Director, Environment and Safety Directorate

APPENDIX F

PRELIMINARY INVESTIGATION ANALYTICAL RESULTS *(on CD only)*

WSMR Environmental Document ES-EC-TO-045-08-237

REVISED FINAL

REVISED ACCELERATED CORRECTIVE ACTION COMPLETION REPORT FOR REMEDIATION OF DIESEL CONTAMINATED SOIL AT MULTIPLE SITES:

SWMUs 166 and 199-214
(CCWS Sites 27, 29-32, 34-39, 42, 43, and 53)

White Sands Missile Range

December 2009

White Sands Missile Range
Environment and Safety Directorate
White Sands Missile Range, New Mexico 88002
EPA ID# NM 2750211235

WHITE SANDS TECHNICAL SERVICES

REPORT DOCUMENTATION PAGE

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1. REPORT DATE *(DD-MM-YYYY)*	**2. REPORT TYPE**	**3. DATES COVERED** *(From - To)*
December 2009	Revised Final	2003-2008

4. TITLE AND SUBTITLE

Revised Accelerated Corrective Action Completion Report for Remediation of Diesel Contaminated Soil at Multiple Sites: SWMUs 166 and 199-214 (CCWS Sites 27, 29-32, 34-39, 42, 43, and 53), White Sands Missile Range, Facility ID# NM2750211235

5a. CONTRACT NUMBER

W9124Q-04-D-0012

5b. GRANT NUMBER

5c. PROGRAM ELEMENT NUMBER

6. AUTHOR(S)

Bradley Davis

5d. PROJECT NUMBER

TO-45

5e. TASK NUMBER

TO-45

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)

White Sands Technical Services, LLC
P.O. Box 363
WSMR, NM 88002

5f. WORK UNIT NUMBER

8. PERFORMING ORGANIZATION REPORT NUMBER

ES-EC-TO-045-08-237

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)

Department of the Army
U.S. Army White Sands Missile Range
100 Headquarters Avenue
ATTN: IMWE-WSM-PWEEC (Jose Gallegos)
White Sands Missile Range, NM 88002

10. SPONSOR/MONITOR'S ACRONYM(S)

11. SPONSORING/MONITORING AGENCY REPORT NUMBER

ES-EC-TO-045-08-237

12. DISTRIBUTION AVAILABILITY STATEMENT

13. SUPPLEMENTARY NOTES

14. ABSTRACT

In calendar year 2005-2007, WSMR completed remediation at the following 11 diesel fuel contaminated sites; SE-50, SE-70, ORC Commo, Cowan, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch, Atom and Denver. WSMR completed excavation at the sites with confirmation sample collection indicating no remaining contamination left on site above NMED TPH Screening Levels. Results of the excavations are documented in this ACA report.

15. SUBJECT TERMS

AST, diesel fuel, Cowan, SE-50, SE-70, ORC Commo, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch, Atom, Denver, excavation, remediation, confirmation sample, TPH DRO, VOC, SVOC, disposal, backfill, clean fill, contaminated soil.

16. SECURITY CLASSIFICATION OF:			**17. LIMITATION OF ABSTRACT**	**18. NUMBER OF PAGES**	**19a. NAME OF RESPONSIBLE PERSON**
a. REPORT unclassified	**b. ABSTRACT** unclassified	**c. THIS PAGE** unclassified		138	**19b. TELEPHONE NUMBER (*Include area code)***

REVISED ACCELERATED CORRECTIVE ACTION COMPLETION REPORT FOR REMEDIATION OF DIESEL CONTAMINATED SOIL AT MULTIPLE SITES: SWMUs 166, and 199-214 (CCWS Sites 27, 29-32, 34-39, 42, 43, and 53), WHITE SANDS MISSILE RANGE

(FACILITY ID # NM2750211235)

Submitted to:

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

December 2009

Submitted by:

White Sands Technical Services, LLC
Building 126
White Sands Missile Range, New Mexico 88002

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EXECUTIVE SUMMARY

In this report, White Sands Missile Range (WSMR) documents compliance activities conducted at locations on WSMR where contamination of soil from leaking above ground storage tanks (AST) was reported to have occurred. Compliance activities including investigation, remediation, documentation and reporting efforts for these sites are completed pursuant to WSMR's Resource Conservation and Recovery Act (RCRA) permit (WSMR Facility ID # NM2750211235) as administered by the New Mexico Environment Department (NMED) Hazardous Waste Bureau (HWB). The remedial actions addressed in this report were planned for and completed under the U.S. Army's Compliance Cleanup (CC) Program.

During a range-wide AST survey conducted in 1997-1999, WSMR personnel noted potential contamination from diesel ASTs at various locations on WSMR. Following the survey, WSMR personnel performed preliminary investigations at 16 locations on the range. At the time of the preliminary investigation conducted in May 2003, it was noted that the ASTs had been removed from all 16 sites. The preliminary investigation determined contamination had occurred to varying degrees at 14 of the 16 sites. Of this number, WSMR determined that 11 of the sites had diesel contamination above the November 2005 NMED Total Petroleum Hydrocarbon (TPH) Screening Guidelines. The remaining sites had contamination well below TPH Screening Guidelines and were determined to not require remediation.

In January 2004, WSMR submitted to the NMED HWB results of the preliminary investigation along with a petition to add these sites to the WSMR permit. Following a technical review of the WSMR report titled *"Addition of New Sites to the WSMR Solid Waste Management Unit/Corrective Action Unit Section of the Hazardous Waste Management Annual Unit Audit Listing" (January 2004)*, the NMED HWB submitted a letter dated 22 November 2004 which requested that WSMR submit a work plan detailing further investigation and remediation of each site. WSMR submitted a Voluntary Corrective Measures (VCM) work plan, drafted to meet the requirements of the NMED HWB in remediating the 11 diesel contaminated sites, to NMED HWB on 17 January 2006. The work plan is titled "*Voluntary Corrective Measures Implementation Work Plan, Diesel Contaminated Soil at 16 Above Ground Storage Tank Sites*."

The actions taken at the diesel contaminated sites were originally planned as VCMs, however, due to changes in regulations (20.4.2.208 NMAC; 8-18-2006), the action was re-named an Accelerated Corrective Action (ACA).

The approach and implementation for the ACA was to complete the following tasks for the 11 diesel contaminated sites:

- contaminated soil removal down to concentrations below the November 2005 NMED TPH Screening Guidelines and NMED Soil Screening Levels for residential exposure,
- confirmation sample collection in the floor and side walls of each excavation to show soil concentrations are below November 2005 NMED TPH Screening Guidelines and NMED Soil Screening Level (SSL) for residential exposure, and
- backfill of each excavation to existing grade with clean soil.

The ACA activities addressed in this report were planned for and conducted under the Army's CC Program. Cleanup activities directed at contamination primarily resulting from recent or current operations are separately funded and managed under the Army CC Program. Sites managed under the CC Program are given CC Identification (CCWS) numbers which are included along with Solid Waste Management Unit (SWMU) numbers for full site identification. Based on fiscal year 2005 funding, WSMR was able to complete remediation at two of the eleven contaminated sites in December 2005. The two sites are SE-50 (SWMU 208; CCWS 34) and SE-70 (SWMU 205; CCWS 31). Additional funding in fiscal year 2006 allowed remediation of the Oscura Range Center (ORC) Commo site (SWMU 203; CCWS 29) during June 2006. Remedial activities at these sites are detailed in the September 2006 report titled "*Voluntary Corrective Measures Report for Remediation of Diesel Contaminated Soil at the SE-50, SE-70, and ORC Commo Sites on White Sands Missile Range*."

Crews completed excavation at the eight remaining sites (Cowan, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch-01, Hardin Ranch-02, and Atom-02) during June-August 2007 with confirmation sample

collection and analysis indicating that no contamination above November 2005 NMED Screening Guidelines was still present at those sites. Results of the remediation activities are documented in this ACA report. Additionally, WSMR continued and completed excavation activities at Denver Site which was not included in the above listed work plan or preliminary investigation. Researchers took previous investigations and remedial actions at Denver Site not previously associated with this project. Excavation originally completed in January 2006 did not completely remove diesel contaminated soil due to potential interference with WSMR Range Road 316. During planning for remediation under this ACA, WSMR decided to complete the contaminated soil removal at Denver Site and resurface the roadway.

WSMR received a Notice of Disapproval (NOD) dated 7 August 2009 on the July 2008 Report titled "*Accelerated Corrective Action Completion Report for Remediation of Diesel Contaminated Soil (Multiple Sites: SWMUs 166 and 199-214)".* WSMR responded to these comments and have published them in this revised report. WSMR's comment response table is included.

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APPENDIX B TOTAL RCRA METALS ANALYSIS OF CLEAN FILL MATERIAL

APPENDIX C CONFIRMATION SAMPLE ANALYTICAL RESULTS (on CD only)

APPENDIX D DENVER SOIL DENSITY TEST

APPENDIX E NMED-WSMR CORRESPONDENCE

APPENDIX F PRELIMINARY INVESTIGATION ANALYTICAL RESULTS (on CD only)

LIST OF ACRONYMS

ACA	Accelerated Corrective Action
AST	Above-Ground Storage Tank
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylene
CCP	Compliance Cleanup Program
CCWS	Compliance Cleanup White Sands
DRO	diesel range organics
ft	feet
HSWA	Hazardous and Solid Waste Amendment
HWB	Hazardous Waste Bureau
HWSF	Hazardous Waste Storage Facility
mg/kg	milligram per kilogram
NMED	New Mexico Environment Department
ORC	Oscura Range Center
RCRA	Resource Conservation and Recovery Act
SSL	soil screening level
SVOC	semi-volatile organic compound
SWMU	Solid Waste Management Unit
TCLP	Toxicity Characteristic Leaching Procedure
TPH	total petroleum hydrocarbon
VCA	Voluntary Corrective Action
VCM	Voluntary Corrective Measure
VOC	volatile organic compound
WSMR	White Sands Missile Range
WSNM	White Sands National Monument

REVISED ACCELERATED CORRECTIVE ACTION COMPLETION REPORT FOR REMEDIATION OF DIESEL CONTAMINATED SOIL AT MULTIPLE SITES: SWMUs 166, and 199-214 (CCWS Sites 27, 29-32, 34-39, 42, 43, and 53), WHITE SANDS MISSILE RANGE (FACILITY ID # NM2750211235)

1.0 INTRODUCTION

In this report, White Sands Missile Range (WSMR) documents compliance activities conducted at locations on WSMR where contamination of soil from leaking above ground storage tanks (AST) was reported to have occurred. Compliance activities including investigation, remediation, documentation and reporting efforts for these sites are completed pursuant to WSMR's Resource Conservation and Recovery Act (RCRA) permit (WSMR Facility ID # NM2750211235) as administered by the New Mexico Environment Department (NMED) Hazardous Waste Bureau (HWB). The remedial actions addressed in this report were planned for and completed under the U.S. Army's Compliance Cleanup (CC) Program. The sites are listed below:

- Hardin Ranch-01 (SWMU 199; CCWS 27) CA
- Hardin Ranch-02 (SWMU 200; CCWS 27) CA
- Ram Site (SWMU 201; CCWS 42) NCA
- Dead Horse Site (SWMU 202; CCWS 43) NCA
- ORC Commo (SWMU 203; CCWS 29) CA
- Harriett Site (SWMU 204; CCWS 30) CA
- SE-70 Site (SWMU 205; CCWS 31) CA
- Atom-01 (SWMU 206; CCWS 32) NCA
- Atom-02 (SWMU 207; CCWS 32) CA
- SE-50 Site (SWMU 208; CCWS 34) CA
- EC-50 Site (SWMU 209; CCWS 35) CA
- Minnow Site (SWMU 210; CCWS 36) NCA
- Cowan Site (SWMU 211; CCWS 37) CA
- NW-70 Site (SWMU 212; CCWS 53) NCA
- Gran Jean Site (SWMU 213; CCWS 38) CA
- NE-50 Site (SWMU 214; CCWS 39) CA
-

CA – Corrective Action required and completed

NCA – No Corrective Action required.

During a range-wide AST survey conducted in 1997-1999, WSMR personnel noted potential contamination from diesel ASTs at various locations on WSMR. Following the survey, WSMR personnel performed preliminary investigations at 16 locations on the range. The scope of the preliminary investigation was to provide an initial site assessment of the extent of diesel related contamination at

each site. WSMR presented the results of this investigation in a letter report titled "*Initial Investigation at Sixteen AST Sites,"* dated 26 November 2003. At the time of the preliminary investigation, conducted in May 2003, personnel noted that ASTs had been removed from all 16 sites. The preliminary investigation determined contamination had occurred to varying degrees at 14 of the 16 sites. WSMR determined that 11 of the contaminated sites had total petroleum hydrocarbons (TPH) concentrations above the November 2005 NMED TPH Screening Guidelines. The remaining sites had contamination well below TPH Screening Guidelines and were determined to not require remediation. Of the original 16 sites, WSMR determined that Ram, Atom 1, Dead Horse, Minnow, and NW-70 sites did not require remediation based on results of the preliminary investigation.

WSMR submitted results of the preliminary investigation along with a petition titled *"Addition of New Sites to the WSMR Solid Waste Management Unit/Corrective Action Unit Section of the Hazardous Waste Management Annual Unit Audit Listing, January 2004,"* to the NMED HWB. Following a technical review of the WSMR petition, NMED HWB submitted a letter dated 22 November 2004 which requested that WSMR submit a work plan detailing further investigation and remediation of each site. Following this reporting, the sites were added as Solid Waste Management Units (SWMU) to WSMR's RCRA permit.

WSMR submitted a Voluntary Corrective Measures (VCM) work plan, titled, "*Voluntary Corrective Measures Implementation Work Plan, Diesel Contaminated Soil at 16 Above Ground Storage Tank Sites,"* (WTS, 2005) to NMED HWB on 17 January 2006. The VCM work plan was intended to meet the requirements of NMED HWB in remediating the 11 diesel contaminated sites that were found to exceed NMED TPH Screening Guidelines.

The actions taken at the diesel contaminated sites were originally planned as VCMs, however, due to changes in NMED's regulations (20.4.2.208 NMAC; 8-18-2006), the plan was re-named an Accelerated Corrective Action (ACA). The ACA activities addressed in this report were planned for and conducted under the Army's CC Program. Cleanup activities directed at contamination primarily resulting from recent or current operations are separately funded and managed under the Army CC Program. Sites managed under the CC Program are given CC Identification (CCWS) numbers which are included along with SWMU numbers for full site identification. Based on fiscal year 2005 funding, WSMR was able to complete remediation at contaminated sites SE-50 (SWMU 208; CCWS 34) and SE-70 (SWMU 205; CCWS 31) in December 2005. Additional funding in fiscal year 2006 allowed remediation of the Oscura Range Center (ORC) Commo site (SWMU 203; CCWS 29) during June 2006. Remedial activities at these sites are detailed in the September 2006 report titled "*Voluntary Corrective Measures Report for Remediation of Diesel Contaminated Soil at the SE-50, SE-70, and ORC Commo Sites on White Sands Missile Range,*" and are included in this report for complete documentation.

Excavation was completed at the eight remaining sites (Cowan, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch-01, Hardin Ranch-02, and Atom-02) during June-August 2007. Confirmation sample collection and analysis indicated no contamination above NMED Screening Guidelines was present at those sites. Results of the remediation activities are documented in this report. Additionally, WSMR continued and completed excavation activities at Denver Site (SWMU 166; CCWS 18) which was not included in the WTS (2005) work plan. Previous investigations and remedial actions were taken at Denver Site and are not previously associated with this project. Excavation originally completed in January 2006 did not completely remove diesel contaminated soil due to potential interference with WSMR Range Road 316. During planning for remediation for this ACA, WSMR decided to complete the contaminated soil removal at Denver site and resurface the roadway. Excavation of Denver Site was completed under this project according to the WTS (2005) work plan. A separate work plan for completion of remediation at Denver Site was not completed.

1.1 Objectives and Scope

The primary objectives of this report are to:

- Document the investigations and corrective actions completed to date at the following sites: Denver, Hardin Ranch-01 and - 02, ORC Commo, Harriett, SE-70, Atom-02, SE-50, EC-50, Cowan, Gran Jean, and NE-50 sites,

- Demonstrate that the ACA has achieved the completion criteria as described in the work plan "*Voluntary Corrective Measures Implementation Work Plan, Diesel Contaminated Soil at 16 Above Ground Storage Tank Sites.*"

WSMR outlined the approach for all field activities at the diesel contaminated sites in the November 2005 "*Voluntary Corrective Measures Implementation Work Plan, Diesel Contaminated Soil at 16 Above Ground Storage Tank Sites.*" The work plan outlines the approach for excavation, disposal of contaminated soils, and collection of confirmation samples. The work plan also describes backfill, following confirmation (by laboratory analysis) that clean-up goals were achieved.

In an effort to decrease costs associated with further characterization of the extent of contamination at each site, WSMR used a proactive approach for contaminated soil removal to concentrations below NMED TPH Screening Guidelines and Soil Screening Levels (November 2005). Field personnel used the Petroflag ® Test Kit to screen samples for hydrocarbons at the edges and base of each excavation prior to collection of confirmation samples in an effort to determine the required extent of excavation. The Petroflag® meter used to run samples has a range up to 2,000 mg/kg using a standard 10 g soil sample. Any concentration above this will register on the meter as "off scale". The method measurement range using the Petroflag ® test kit is from 10 – 10,000 mg/kg. The higher range (> 2,000 mg/kg) can be measured using a dilution (1 g soil sample) and multiplying the meter result by 10. For this project, when a reading of "off scale" was obtained, further Petroflag ® field analysis for a more accurate determination of TPH concentration > 2,000 mg/kg was not warranted. Any determination above NMED TPH Screening Guidelines warranted further excavation until the site was cleaned to below NMED standards.

Following favorable Petroflag ® results (results less than the November 2005 TPH Screening Guidelines) field personnel collected confirmation samples from each excavation (base and sidewalls) for laboratory analysis to verify that contamination above the applicable screening levels were removed. The Petroflag ® screening tool was not used for the SE-50, SE-70, or the ORC Commo excavations due to availability to the field crew.

1.2 Location and Background of White Sands Missile Range

WSMR is a US Army test facility, the majority of which is situated within the Tularosa Basin, with areas along the western and northwestern boundary extending into the Jornada del Muerto Basin. WSMR is located in New Mexico, spanning across Doña Ana, Socorro, Lincoln, Otero, and Sierra counties. The WSMR Main Post area is located at the southwestern corner of the installation, approximately 27 miles east-northeast of Las Cruces, NM and 45 miles north of El Paso, Texas. WSMR headquarters and most installation support activities are located at the Main Post area.

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

1.2.1 Location and Background of the Remediated Sites

The sites are located at various locations across WSMR as shown in figure 1. These sites have served as support installations for WSMR's ongoing military mission. Originally, an AST was located at each site to provide diesel fuel for portable generators. At the time of the May 2003 preliminary investigation, personnel noted that ASTs had been removed from each of the sites. The dates of these removals are not known.

During the 1997-1999 Range-wide AST survey of WSMR, personnel noted that ASTs had leaked diesel fuel. In February 1999, WSMR verbally notified the NMED Ground Water Quality Bureau chief of the releases in accordance with New Mexico Administrative Code, Chapter 6.2, Section 1203 of Title 20.

Following the preliminary investigation, NMED HWB requested WSMR to provide a work plan detailing additional investigation and plans for remedial action. Following submittal of the work plan, WSMR chose to proceed with remediation of the sites under an ACA. WSMR selected this option to expedite clean closure of each site.

The former AST sites have been listed as SWMUs on table 4-1 (SWMU's Requiring Corrective Action) of WSMR's draft Resource Conservation and Recovery Act (RCRA) Permit (NM2750211235) dated 11 June 2007.

2.0 ENVIRONMENTAL SETTING

2.1 Climate

The Tularosa Basin within WSMR is located approximately 4,000 ft above mean sea level and is considered semi-arid. The region's climate is characterized by abundant sunshine throughout the year with relatively low humidity and a mild winter season. The average annual rainfall is approximately 12 inches, with most occurring during late summer storms, accompanied by hail and localized flash flooding during severe events. Snowfall is infrequent and rarely results in a deep or persistent snow cover. During summer months, the temperature ranges from an average high of 93º F to an average low of 65° F. During winter months, the average high is 59° F and the average low is 30° F.

2.2 Geology

The nature of the sedimentary deposits varies both laterally and vertically throughout the Tularosa Basin. Coarse-grained, poorly sorted sediments deposited near mountain fronts grade into fine-grained, well sorted sediments towards the center of the basin (Kelly, 1973). The majority of the sites discussed in this report consist of sediments deposited further from the mountain fronts and generally can contain a greater percentage of clay and gypsum. Site specific lithology is discussed in the following text for each site.

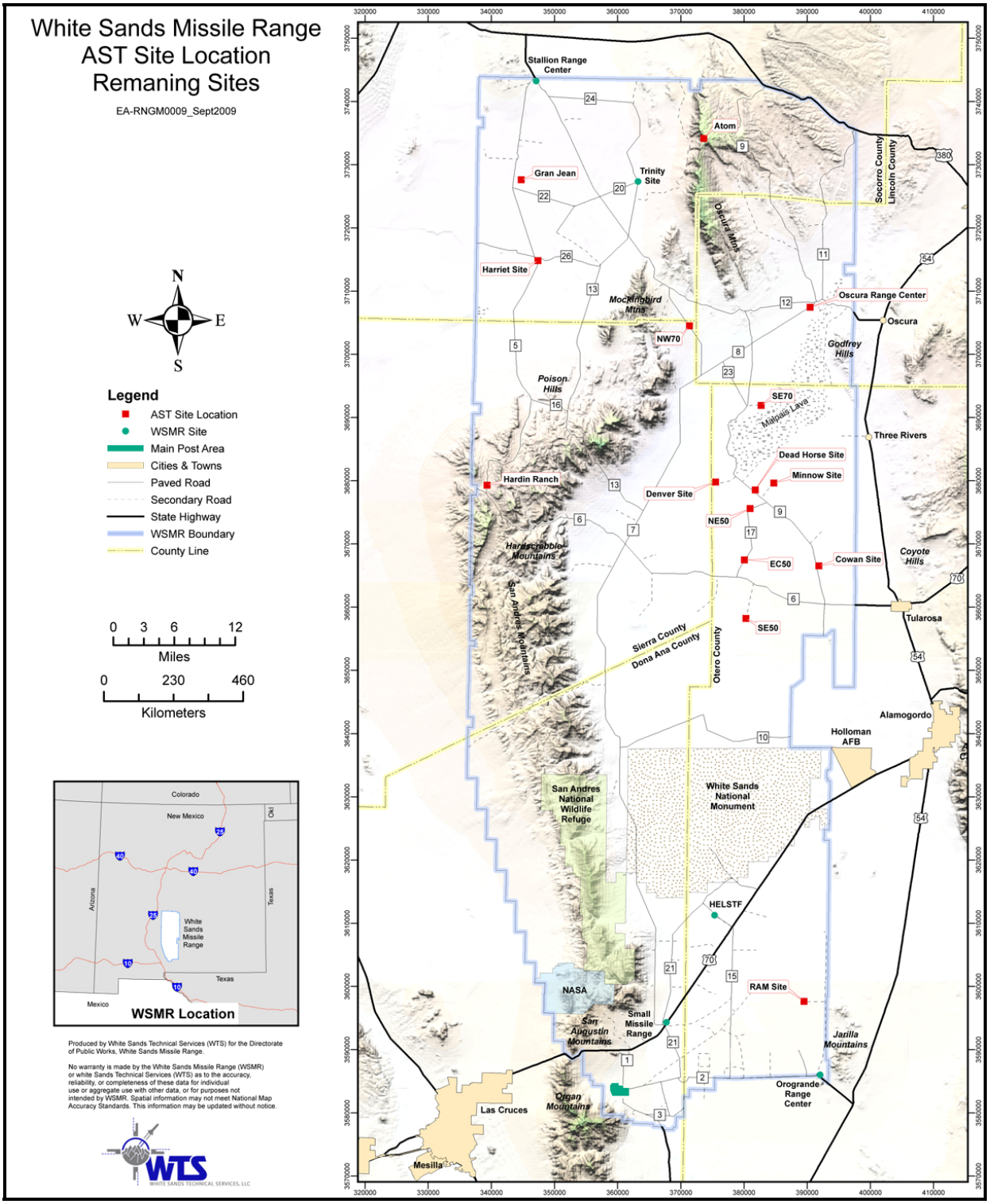

FIGURE 1.
SITE LOCATIONS ON WHITE SANDS MISSILE RANGE

2.3 Hydrology

2.3.1 Surface Water

There is no surface water at the sites, nor any significant features of seasonal surface water runoff. Topsoil conditions are generally favorable for rapid infiltration, and the majority of precipitation can be presumed to infiltrate locally to deeper subsurface layers or be lost to evapotranspiration.

2.3.2 Site Hydrogeological Profile

No monitoring wells or supply wells were located sufficiently close enough to the remediation sites to determine depth to water, with the exception of the Denver site. Based on wells located at the site, depth to ground water is 26 feet below ground surface.

3.0 RESULTS OF CORRECTIVE ACTION

3.1 Denver Site (SWMU 166)

Denver Site was not included in the November 2005 "*Voluntary Corrective Measures Implementation Work Plan, Diesel Contaminated Soil at 16 Above Ground Storage Tank Sites.*" Excavation originally completed in January 2006 did not completely remove diesel contaminated soil due to potential interference with WSMR Range Road 316. During planning for remediation for this ACA, WSMR decided to complete the contaminated soil removal at Denver Site and resurface the roadway if needed. The following sections discuss the previous action taken at Denver Site and the completed soil excavation conducted in July 2007 under this ACA.

3.1.1 Preliminary Investigations/Remediation (WTS, 2006)

During February 1999, several preliminary subsurface hand auger investigations were completed to estimate the horizontal and vertical extent of diesel contamination in the soil at Denver Site. From the hand auger investigations, two plumes of contamination were identified: beneath the former tank location, and beneath the equipment rack where generators were located.

Because the complete extent of contamination beneath the equipment rack was not be defined by the hand auger borings, a hollow stem auger drill rig was used to complete this effort, and to install piezometers and groundwater monitoring wells at the site.

The following tables denote the preliminary investigations results performed at the site. This work is described in more detail in the preliminary report (MEVATEC, 1999). Sample locations are shown in Figure 2.

During February 1999, a total of five hand auger borings were completed at the former tank location to determine the horizontal and vertical extent of diesel contamination. Table 1A shows results from the former tank location at Denver Site.

TABLE 1A. DETECTED DRO RESULTS FROM THE DENVER AST LOCATION. FEBRUARY 1999.

Sample Identification	White Sands Chemistry Laboratory	
	Analytical Results (ppm)	Detection Limit (ppm)
NMED TPH Screening Level	**520**	
Center Borehole		
depth 6"-12"	9,430	5
depth 4.5'-5.0'	14,500	5
depth 9.5'-10.0'	115	5

TABLE 1A. DETECTED DRO RESULTS FROM THE DENVER AST LOCATION. FEBRUARY 1999.		
Sample Identification	**White Sands Chemistry Laboratory**	
	Analytical Results (ppm)	**Detection Limit (ppm)**
depth 14.5'-15.0'	71	5
depth 19.5'-20.0'	38	5
North Borehole	No detection above laboratory detection limits	
South Borehole	No detection above laboratory detection limits	
East Borehole		
East, depth 4.5'-5.0'	7	5
East, depth 9.0'-9.5'	5	5
West Borehole	No detection above laboratory detection limits	

During removal of the product lines, significant diesel contamination was identified in the soil beneath the equipment rack. The contamination was located beneath a 90-degree connection in the product lines, approximately 2-ft bgs. During 18-22 February 1999, a total of ten additional hand auger borings were completed at the equipment rack to determine the horizontal and vertical extent of diesel contamination. Table 1B lists DRO results from samples collected beneath the product line.

TABLE 1B. DETECTED DRO RESULTS FROM BENEATH THE DENVER PRODUCT LINE. FEBRUARY 1999.		
Sample Identification	**White Sands Chemistry Laboratory**	
	Analytical Results (ppm)	**Detection Limit (ppm)**
NMED TPH Screening Level	**520**	
Center Borehole (ER-C)		
ER-C, depth 3.5'-4.0'	5,840	5
ER-C, depth 9.5'-10.0'	44,400	5
ER-C, depth 14.5'-15.0'	7,760	5
ER-C, depth 19.5'-20.0'	12,900	5
ER-C, depth 23.5'-24.0'	9,640	5
West Boreholes (ER-West & ER-W2)		
ER, West, depth 4.5'-5.0'	11	5
ER, West, depth 9.5'-10.0'	7,590	5
ER, West, depth 14.5'-15.0'	4,080	5
ER-W2, depth 6"-12"	7	5
ER-W2, depth 14.5'-15.0'	5	5
East Boreholes (ER-E & ER-E2)		
ER-E, depth 6"-12"	431	5
ER-E, depth 4.5'-5.0'	61	5
ER-E2, depth 10.0'-15.0'	63	5
North Boreholes (ER-N & 316-North1)		
ER-N, depth 1.0'-1.5'	9	5
ER-N, depth 4.5'-5.0'	10	5
ER-N, depth 9.5'-10.0'	5	5
South Boreholes (ER-S, ER-S2, & ER-S3)		
ER-S, depth 6"-12"	1,520	5
ER-S, depth 4.5'-5.0'	2,800	5
ER-S, depth 9.5'-10.0'	153	5
ER-S2, depth 4.5'-5.0'	6	5

TABLE 1B. DETECTED DRO RESULTS FROM BENEATH THE DENVER PRODUCT LINE. FEBRUARY 1999.		
Sample Identification	**White Sands Chemistry Laboratory**	
	Analytical Results (ppm)	**Detection Limit (ppm)**
ER-S2, depth 9.5'-10.0'	1,880	5
ER-S3, depth 9.5'-10.0'	11	5

Using the results of the previous investigations, a hollow-stem auger drill rig was used to further define the horizontal and vertical extent of diesel contamination by completing additional soil borings at the Denver site. Table 1C summarizes DRO detections from the additional soil borings.

TABLE 1C. DETECTED DRO RESULTS, ADDITIONAL SOIL BORINGS (1999).				
Sample Identification	**Trace Analysis Inc.**		**White Sands Chemistry Lab**	
	Analytical Results (mg/kg)	**Detection Limit (mg/kg)**	**Analytical Results (mg/kg)**	**Detection Limit (mg/kg)**
NMED TPH Screening Level	**520**			
Soil Boring 05				
31010-SB-05-(4.5-5.0)	9,500	50	No sample	--
31010-SB-05-(9.5-10.0)	38,000	50	No sample	--
31010-SB-05-(14.5-15.0)	12,000	50	7,490	5
31010-SB-05-(19.5-20.0)	2,100	50	No sample	--
31010-SB-05-(24.5-25.0)	1,000	50	No sample	--
31010-SB-05-(29.5-30.0)	700	50	No sample	--
Soil Boring 06	**No detection above laboratory detection limits**			
Soil Boring 07				
31010-SB-07-(24.5-25.0)	110	50	No sample	--
Soil Boring 08				
31010-SB-08-(29.5-30.0)	840	50	No sample	--
Soil Boring 09				
31010-SB-09-(24.5-25.0)	1,200	50	No sample	--
Soil Boring 10	**No detection above laboratory detection limits**			
Soil Boring 11	**No detection above laboratory detection limits**			
Soil Boring 12	**No detection above laboratory detection limits**			
Soil Boring 13	**No detection above laboratory detection limits**			
Playa Lake	**No detection above laboratory detection limits**			

Following the previously described site investigations, WSMR performed an RFI at the Denver site (Mevatec, 2002). This latest investigation took place from February through April, 2002. It involved advancing a total of ten soil borings in the vicinities of the former diesel AST and the fueling rack, collecting soil samples from the new soil borings. The soil samples were analyzed for VOCs (including MTBE), SVOCs (including naphthalene and phenanthrene), and RCRA metals (including lead). Table 1D (Attachment 1) lists detected results from the RFI sampling event. Sample locations are shown on Figure 2.

Remediation efforts carried out during the January 2006 VCA at Denver Site were based on the *Final Work Plan Voluntary Corrective Action at the Denver Site on White Sands Missile Range* (BAE Systems, 2004). Results of the January 2006 Voluntary Corrective Action (VCA) are detailed in the June 2006 report "*Voluntary Corrective Action Completion Report Former Diesel AST at Denver Site (SWMU 166) White Sands Missile Range Facility ID NM2750211235*" and summarized in this section.

The areas of excavation were delineated based on borehole locations (figure 2) still visible from past investigations and GPS coordinates obtained from a handheld GPS unit. Excavation, disposal, sampling, and backfill took place 16 through 21 January 2006. Once the excavations had reached the initial limits, researchers collected confirmation samples from the walls and floor of each excavation. Results of initial sampling (table 1) analyzed by the WSMR Lab indicated additional excavation along the north side-wall at the former equipment rack/generator location was warranted. Crews removed an additional 2 ft of contaminated soil from the entire face of the north side-wall. Due to the proximity of the road surface and the potential of damage resulting from sloughing in the excavation, WSMR decided to cease excavation at that point, collect an additional confirmation sample from the north side-wall, and begin backfilling the excavation. Based on the findings of prior investigations, researchers assumed the vast majority of the concentrated contamination had been removed.

Approximately 420 cubic yards of contaminated soil was removed during the January 2006 VCA at Denver Site. The excavation at the former location of the AST reached a depth of 10 ft while the excavation at the former equipment rack reached a depth of approximately 21 ft. Contaminated soil was loaded onto 20 cubic yard tractor trailers and transported from the site. Rhino Environmental Services, Inc. transported the contaminated soil to their treatment facility on Highway 54 in Otero County, N M.

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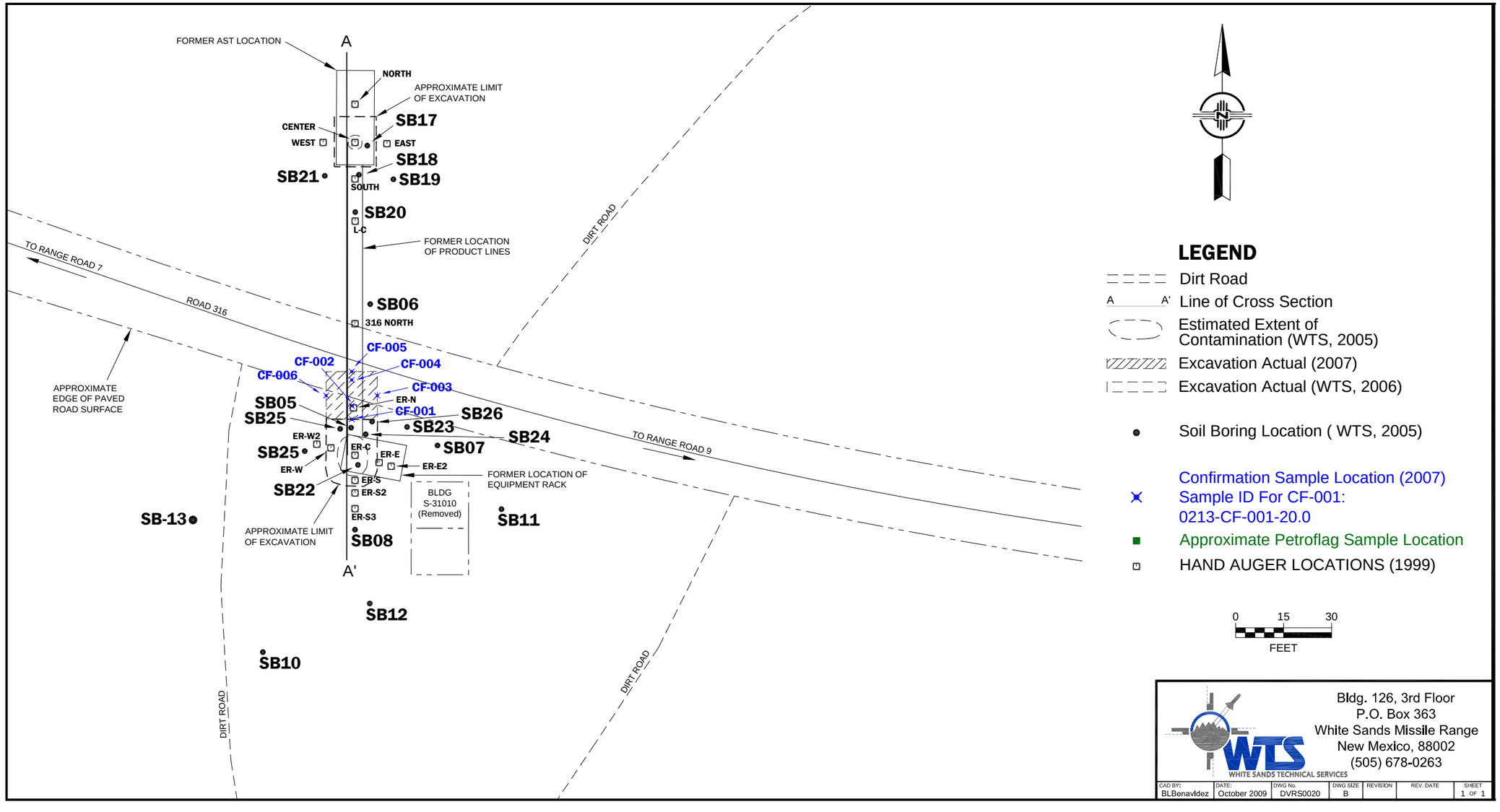

FIGURE 2. PLAN VIEW MAP OF THE DENVER SITE.

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WSMR carried out confirmation sampling at each of the excavation sites on 17 January 2006 (table 1E). No Volatile Organic Compounds (VOCs) or Semi-Volatile Organic Compounds (SVOCs) were detected above November 2005 NMED Residential SSLs. Results of TPH Diesel Range Organics (DRO) analysis confirmed the excavation at the former AST location was complete and no contamination from the diesel fuel was still present. TPH DRO results from the former generator location indicated contamination above NMED TPH Screening Guidelines (8,650 mg/kg) was still present on the north side wall of the excavation. As stated above, WSMR decided at that time to halt the excavation due to the potential for damage to WSMR Range Road 316. The site was backfilled on 21 January 2006.

TABLE 1E. INITIAL CONFIRMATION SAMPLING DENVER SITE

Sample ID	Analyte	Concentration (mg/kg)
SWMU-166-AST-101	TPH-DRO (EPA 418.1)	<10
SWMU-166-AST-102	TPH-DRO (EPA 418.1)	<10
SWMU-166-AST-103	TPH-DRO (EPA 418.1)	<10
SWMU-166-AST-104	TPH-DRO (EPA 418.1)	<10
SWMU-166-AST-105	TPH-DRO (EPA 418.1)	<10
SWMU-166-GEN-101	TPH-DRO (EPA 418.1)	8,650
SWMU-166-GEN-102	TPH-DRO (EPA 418.1)	26
SWMU-166-GEN-103	TPH-DRO (EPA 418.1)	10
SWMU-166-GEN-104	TPH-DRO (EPA 418.1)	<10
SWMU-166-GEN-105	TPH-DRO (EPA 418.1)	<10

3.1.2 Results of Corrective Action Completion

WSMR conducted remediation completion at Denver Site from 6 July 2007 – 12 July 2007. Crews first commenced excavation close to the Range Road 316 roadway. The location of the previous excavation was evident by obvious settling seen at the site from the previous backfill in January 2006. Diesel contaminated soil was evident at this location. The excavation was extended to the north, east and west, following the contamination. The excavation was not extended in the southern direction due to field evidence of clean soil/backfill in that direction. The excavation was extended in the contaminated soil direction until no physical evidence remained of further contamination in that direction. The excavation extended into the roadway approximately 10 ft, requiring destruction of the pavement. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 3.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. The excavation was completed using a backhoe. Additionally, a Petroflag ® Test Kit was used to screen samples at the edges and base of the excavation. Crews ultimately extended the excavation at the former AST at Denver Site to a depth of approximately 20 ft bgs. The sides of the excavation measured approximately 18 ft X 15 ft. Eight test kits were run using the Petroflag ® system (table 2). Results ranged from 0 mg/kg to off scale (>2,000 mg/kg) full range hydrocarbons. Excavation continued in the direction of soil samples having analysis greater than the 520 mg/kg TPH Residential Screening Guideline until results indicated lower concentrations. Excavation was halted following results of the Petroflag analysis indicating the sides and base of the excavation were clean. Personnel completed soil staging, transport, backfill, and grading as described in Sections 3.1.2.1 and 3.1.2.2. Photographs 1-4 show the Denver Site excavation.

TABLE 2. PETROFLAG ® FIELD SCREENING RESULTS FOR DENVER SITE.

Field Sample Location	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Contaminated soil stockpile	>2,000	Not applicable
South side wall at 10 feet bgs	0	No further excavation to south
North side wall at 17 feet bgs	>2,000	Further excavation to north
Base sample near south side	108	No further excavation down
East side wall at 17 feet bgs	382	No further excavation to east
Base sample near north side	0	No further excavation down
North side wall at 15 feet bgs	60	No further excavation to north
West side wall at 15 feet bgs	7	No further excavation to west

PHOTOGRAPH 1.
SURFACE CRACKING AT DENVER SITE INDICATED EXTENT OF THE PREVIOUS JANUARY 2006 EXCAVATION.
The July 2007 excavation began near this point and continued in all directions until no evidence of contamination was discernable. Photograph taken looking west**.**

PHOTOGRAPH 2.
INITIAL STAGES OF EXCAVATION AT DENVER SITE.
Photograph taken looking north.

PHOTOGRAPH 3.
DENVER SITE EXCAVATION NEAR COMPLETION.
Photograph taken looking north-west.

PHOTOGRAPH 4.
TRAFFIC CONTROL MEASURES TAKEN AT DENVER SITE DURING EXCAVATION.
Photograph taken looking east.

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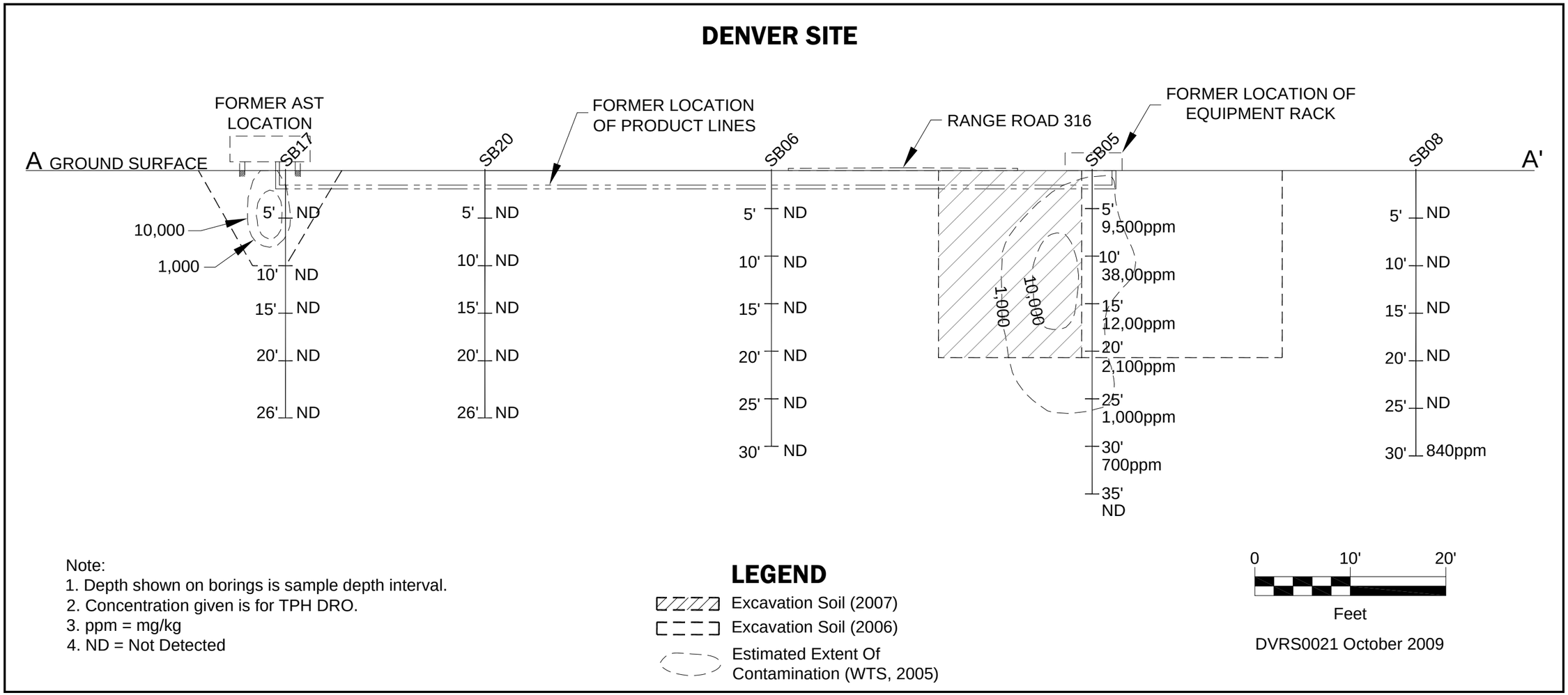

FIGURE 3. APPROXIMATE EXTENT OF EXCAVATION AT DENVER SITE.
The final excavation dimensions were approximately 18 ft X 15 ft X 20 ft.

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3.1.2.1 Soil Staging and Transport

Crews placed excavated contaminated soil directly at a polyethylene sheeting staging area immediately by the excavation (photograph 5). Clean backfill material was staged at a similar unlined location at the site. Transport vehicles (trucks hauling 20-cubic-yard belly-dump trailers) arriving at the site during field work would first drop a load of clean backfill material and then proceed to be loaded with diesel-contaminated material. Covers were then placed over the open trailer tops and the diesel-contaminated soil shipment tracked by use of a non-hazardous waste manifest. Original copies of the waste manifests are on file with WSMR's Environment and Safety Directorate. Photocopies of the waste manifests are included in Appendix A.

3.1.2.2 Backfill and Grading

Crews obtained borrow material from one off-WSMR source selected by the excavation and disposal contractor. The source was sampled for total RCRA metals prior to being accepted by WSMR for use. The analytical results of this test are shown in table 3 with the laboratory report included in appendix B.

Based on the analytical results of these samples, the borrow location (Rhino Environmental Services, Inc. Land Farm) were approved for use for this site. Following confirmation of successful remediation, personnel filled the excavation with the approved backfill material and compacted it using water, heavy equipment packing, roll-over, and a portable compactor. Personnel field tested and laboratory tested the backfilled excavation for density and moisture beneath the roadway to meet project specifications for repavement. Terracon of Las Cruces, NM, completed the testing. Results of testing are included in appendix D. Following compacting, Alamo Earth Work and Paving of Alamogordo, NM, repaved the section of roadway impacted by the excavation. The completed site is shown in photograph 6.

PHOTOGRAPH 5.
SOIL STAGING LOCATION AT DENVER SITE.
Photograph taken looking south-west.

TABLE 3. RESULTS OF TOTAL RCRA METALS ANALYSIS FOR CLEAN BACKFILL				
Analyte	**Method**	**Clean Fill Results mg/kg**	**NMED Soil Screening Level mg/kg**	**Maximum Concentration for TCLP mg/l**
Total Arsenic	6010B	<0.25	3.9	5.0
Total Barium	6010B	35.3	5,450	100.0
Total Cadmium	6010B	<0.25	74.1	1.0
Total Chromium	6010B	5.76	234	5.0
Total Lead	6010B	8.46	400	5.0
Total Selenium	6010B	<0.5	391	1.0
Total Silver	6010B	<0.25	391	5.0
Total Mercury	7471A	< 0.02	23	0.2

PHOTOGRAPH 6.
DENVER SITE AFTER COMPLETION OF BACKFILL AND REPAVING.
Photograph taken looking south-east.

3.1.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from the site, it is reported that 240 cubic yards of contaminated soil was removed from Denver during the July 2007 ACA. This material was taken to a licensed landfarm in Otero County, NM (DP-1051) (Rhino Environmental Services) for further remediation and handling under the requirements and operating procedures of that facility. Combined with the previous excavation conducted in January 2006, at total of 660 cubic yards of contaminated soil was removed from Denver Site.

3.1.4 Verification of Remediation

Prior to excavation backfill, Trace Analysis of Lubbock, Texas, analyzed confirmation soil samples to verify that clean-up objectives were met. The confirmation sidewall sample locations were preferentially selected in locations most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Personnel collected samples directly from the backhoe bucket after directing the operator where to excavate the sample. Personnel then transferred discrete soil samples from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 4. Detected organic compounds are listed in table 5. Additionally, personnel collected an equipment blank using Type II water poured over the sample bowls following decontamination and analyzed for the above listed contaminants. No contaminants of concern were detected that would indicate the sampling equipment would contaminate subsequent samples. Confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding November 2005 NMED Residential Soil Screening Levels. Metals are not expected to be associated with diesel fuel, however, WSMR analyzed for RCRA metals to determine their concentrations at the site. They detected no TPH DRO in any confirmation samples at a reporting limit of 50 mg/kg nor did they detect any VOCs or SVOCs in any confirmation samples from the Denver Site excavation with the exception of bis(2-ethylhexyl)phthalate.

Bis(2-ethylhexyl)phthalate was detected in two samples at a highest concentration of 2.96 mg/kg. These two detections are likely a laboratory artifact and not the result of contamination from the site. The NMED SSL for bis(2-ethylhexyl)phthalate (June 2006) is 347 mg/kg. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at concentrations above regulatory levels.

TABLE 4. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS DENVER SITE

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0166-CF-001-5.0 South side wall sample at 5 ft	<50	<0.250	<2	3.40	<0.200	<0.500	<0.040	<1.00	<2.00
0166-CF-002-20.0 Base sample near south wall at 20 ft	<50	<0.250	<2	227	<0.200	5.36	<0.040	<1.00	<2.00

TABLE 4. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS DENVER SITE

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
0166-CF-003-20.0 East side wall sample at 20 ft	<50	<0.250	<2	29	<0.200	1.97	<0.040	<1.00	<2.00
0166-CF-004-20.0 Base sample near north wall at 20 ft	<50	<0.250	<2	420	0.425	8.40	<0.040	<1.00	<2.00
0166-CF-104-20.0 Duplicate of -004	<50	<0.250	<2	340	0.373	7.67	<0.040	<1.00	<2.00
0166-CF-005-20.0 North side wall sample at 20 ft	<50	<0.250	<2	48.9	0.202	4.77	<0.040	<1.00	<2.00
0166-CF-006-15.0 West side wall sample at 15 ft	<50	<0.250	<2	23.7	<0.200	0.896	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

TABLE 5. LABORATORY ORGANIC DETECTIONS DENVER SITE

Sample ID	Test	Method	Units	Parameter	Result	SSL
0166-CF-002-20.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	0.566	347
0166-CF-001-5.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	2.96	347

3.2 Hardin Ranch (SWMUs 199-200)

3.2.1 Preliminary Investigation (BAE Systems, 2003)

The AST survey performed at Hardin Ranch Site (photograph 7) identified two separate potential environmental release areas associated with two separate ASTs [Hardin-01 (SWMU 199; CCWS 27) and Hardin-02 (SWMU 200; CCWS 27)]. The preliminary investigation at the site identified noticeable odors and the presence of free product in the shallow subsurface. Soils at the site generally appear to be silty clays down to at least 13.5 ft bgs. Approximate depth to ground water at this site is unknown. Hardin Ranch is a former ranch property that is now in the possession of WSMR and is contained within WSMR property. WSMR knows of no wells located in the vicinity of Hardin Ranch. No private wells exist in the area.

PHOTOGRAPH 7.
HARDIN RANCH SITE, PRELIMINARY INVESTIGATION.
Photograph taken looking west.

Analysis of soil samples obtained from direct push borings at the Hardin-01 location detected DRO as high as 71,000 mg/kg (soil boring HRDR-01-SB-01), exceeding the TPH screening guideline for residential direct exposure of 520 mg/kg. Researchers detected toluene, ethylbenzene, xylenes at the site, but none at concentrations exceeding the corresponding residential Soil Screening Level.

Analysis of soil samples at the Hardin-02 release site detected DRO as high as 1,400 mg/kg (soil boring HRDR-02-SB-03), also exceeding the residential screening guideline, but analytical results from borings in this area generally describe a low volume release. Analytical results suggested a significant level of contamination by diesel fuel, with multiple detections of DRO exceeding the NMED TPH residential screening guideline of 520 mg/kg for diesel fuel.

3.2.1.1 Extent of Contamination from the Preliminary Investigation

Hardin Ranch Site has two former AST locations that were underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 4 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. It was originally estimated that approximately 67 cubic yards of contaminated soil was beneath Hardin-01 Site and 56 cubic yards of contaminated soil beneath Hardin-02 Site. Actual excavation dimensions are shown superimposed over the original estimate on figure 4. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 5. Table 6 lists detected anaytes from the preliminary investigation.

TABLE 6. PRELIMINARY INVESTIGATION DETECTED RESULTS HARDIN RANCH SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
HRDR-01-SD-01	HRDR01	surface	5/6/2003	Flash Point (Setaflash)	200	>	degrees F	NE
HRDR-01-SD-01	HRDR01	surface	5/6/2003	Diesel Range Organics (C12-C24)	1000	D	mg/Kg	520
HRDR-01-SD-01	HRDR01	surface	5/6/2003	Oil Range Organics (C24-C40)	2400	D	mg/Kg	2,500
HRDR-01-SB-001-(2.5-3.0)DL	HRDR01-SB01	02.5-3.0	5/26/2003	Diesel Range Organics (C12-C24)	1200	D	mg/Kg	520
HRDR-01-SB-001-(2.5-3.0)	HRDR01-SB01	02.5-3.0	5/26/2003	Bromofluorobenzene	101		µg/Kg	NE
HRDR-01-SB-001-(2.5-3.0)	HRDR01-SB01	02.5-3.0	5/26/2003	Oil Range Organics (C24-C40)	63		mg/Kg	2,500
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Bromofluorobenzene	130		µg/Kg	NE
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	2-Methylnaphthalene	43000	D	µg/Kg	NE
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Acenaphthene	4700	D	µg/Kg	3,440,000
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Fluorene	5600	D	µg/Kg	2,290,000
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Naphthalene	5000	D	µg/Kg	45,000
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Phenanthrene	22000	D	µg/Kg	1,830,000
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Diesel Range Organics (C12-C24)	36000	D	mg/Kg	520
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	2-Methylnaphthalene	38000	E	µg/Kg	NE
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Pyrene	610	JD	µg/Kg	1,720,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Toluene	170	P	µg/Kg	5,570,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Acenaphthene	3700		µg/Kg	3,440,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Ethyl Benzene	2900		µg/Kg	69,600
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Fluoranthene	390		µg/Kg	2,290,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Fluorene	4300		µg/Kg	2,290,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	m,p-Xylene	11000		µg/Kg	1,090,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Naphthalene	4700		µg/Kg	45,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	o-Xylene	6900		µg/Kg	9,550,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Phenanthrene	18000		µg/Kg	1,830,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Pyrene	820		µg/Kg	1,720,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Oil Range Organics (C24-C40)	520		mg/Kg	2,500
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	2-Methylnaphthalene	100000	D	µg/Kg	NE
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Acenaphthene	2900	D	µg/Kg	3,440,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Fluorene	3800	D	µg/Kg	2,290,000

TABLE 6. PRELIMINARY INVESTIGATION DETECTED RESULTS HARDIN RANCH SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Naphthalene	27000	D	µg/Kg	45,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Phenanthrene	27000	D	µg/Kg	1,830,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Diesel Range Organics (C12-C24)	71000	D	mg/Kg	520
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	2-Methylnaphthalene	78000	E	µg/Kg	NE
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Ethylbenzene	3200	E	µg/Kg	69,600
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	m,p-Xylene	6300	E	µg/Kg	1,090,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	o-Xylene	4900	E	µg/Kg	9,550,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Pyrene	390	J	µg/Kg	1,720,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Ethylbenzene	5000		µg/Kg	69,600
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	m,p-Xylene	16000		µg/Kg	1,090,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	o-Xylene	9400		µg/Kg	9,550,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Toluene	510		µg/Kg	5,570,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Acenaphthene	2400		µg/Kg	3,440,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Fluorene	2600		µg/Kg	2,290,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Naphthalene	25000		µg/Kg	45,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Phenanthrene	23000		µg/Kg	1,830,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Toluene	490		µg/Kg	5,570,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Oil Range Organics (C24-C40)	620		mg/Kg	2,500
HRDR-01-SB-001-(13-13.5)DL	HRDR01-SB01	13.0-13.5	5/26/2003	Diesel Range Organics (C12-C24)	1400	D	mg/Kg	520
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	2-Methylnaphthalene	1700		µg/Kg	NE
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	Acenaphthene	120		µg/Kg	3,440,000
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	Bromofluorobenzene	100		µg/Kg	NE
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	Fluorene	130		µg/Kg	2,290,000
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	Naphthalene	190		µg/Kg	45,000
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	Phenanthrene	750		µg/Kg	1,830,000
HRDR-01-SB-003-(3.5-4.0)	HRDR01-SB03	03.5-4.0	5/26/2003	Diesel Range Organics (C12-C24)	94		mg/Kg	520
HRDR-01-SB-003-(7.5-8.0)DL	HRDR01-SB03	07.5-8.0	5/26/2003	Diesel Range Organics (C12-C24)	20000	D	mg/Kg	520
HRDR-01-SB-003-(7.5-8.0)	HRDR01-SB03	07.5-8.0	5/26/2003	Oil Range Organics (C24-C40)	260		mg/Kg	2,500
HRDR-01-SB-003-(11-11.5)DL	HRDR01-SB03	11.0-11.5	5/26/2003	Diesel Range Organics (C12-C24)	16000	D	mg/Kg	520
HRDR-01-SB-003-(11.0-11.5)	HRDR01-SB03	11.0-11.5	5/26/2003	Oil Range Organics (C24-	240		mg/Kg	2,500

TABLE 6. PRELIMINARY INVESTIGATION DETECTED RESULTS HARDIN RANCH SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
				C40)				
HRDR-01-SB-004-(7.5-8.0)	HRDR01-SB04	07.5-8.0	5/26/2003	Oil Range Organics (C24-C40)	73		mg/Kg	2,500
HRDR-02-SB-001-(2.5-3.0)	HRDR02-SB01	02.5-3.0	5/26/2003	Bromofluorobenzene	95		µg/Kg	NE
HRDR-02-SB-001-(2.5-3.0)	HRDR02-SB01	02.5-3.0	5/26/2003	Diesel Range Organics (C12-C24)	40		mg/Kg	520
HRDR-02-SB-001-(2.5-3.0)	HRDR02-SB01	02.5-3.0	5/26/2003	Oil Range Organics (C24-C40)	100		mg/Kg	2,500
HRDR-02-SB-001-(7.5-8.0)	HRDR02-SB01	07.5-8.0	5/26/2003	Bromofluorobenzene	100		µg/Kg	NE
HRDR-02-SB-001-(7.5-8.0)	HRDR02-SB01	07.5-8.0	5/26/2003	Oil Range Organics (C24-C40)	59		mg/Kg	2,500
HRDR-02-SB-001-(10.0-10.5)	HRDR02-SB01	10.0-10.5	5/26/2003	Bromofluorobenzene	94		µg/Kg	NE
HRDR-02-SB-001-(10.0-10.5)	HRDR02-SB01	10.0-10.5	5/26/2003	Diesel Range Organics (C12-C24)	18		mg/Kg	520
HRDR-02-SB-003-(3.5-4.0)DL	HRDR02-SB03	03.5-4.0	5/26/2003	Diesel Range Organics (C12-C24)	850	D	mg/Kg	520
HRDR-02-SB-003-(3.5-4.0)	HRDR02-SB03	03.5-4.0	5/26/2003	Oil Range Organics (C24-C40)	150		mg/Kg	2,500
HRDR-02-SB-003-(7.5-8.0)DL	HRDR02-SB03	07.5-8.0	5/26/2003	Diesel Range Organics (C12-C24)	470	D	mg/Kg	520
HRDR-02-SB-003-(7.5-8.0)	HRDR02-SB03	07.5-8.0	5/26/2003	Oil Range Organics (C24-C40)	80		mg/Kg	2,500
HRDR-02-SB-003-(10-10.5)DL	HRDR02-SB03	10.0-10.5	5/26/2003	Diesel Range Organics (C12-C24)	1400	D	mg/Kg	520
HRDR-02-SB-003-(10.0-10.5)	HRDR02-SB03	10.0-10.5	5/26/2003	Oil Range Organics (C24-C40)	80		mg/Kg	2,500
HRDR-02-SB-004-(2.0-2.5)	HRDR02-SB04	02.0-2.5	5/26/2003	Diesel Range Organics (C12-C24)	37		mg/Kg	520
HRDR-02-SB-104-(2.0-2.5)	HRDR02-SB04	02.0-2.5	5/26/2003	Diesel Range Organics (C12-C24)	140		mg/Kg	520
HRDR-02-SB-104-(2.0-2.5)	HRDR02-SB04	02.0-2.5	5/26/2003	Oil Range Organics (C24-C40)	66		mg/Kg	2,500

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

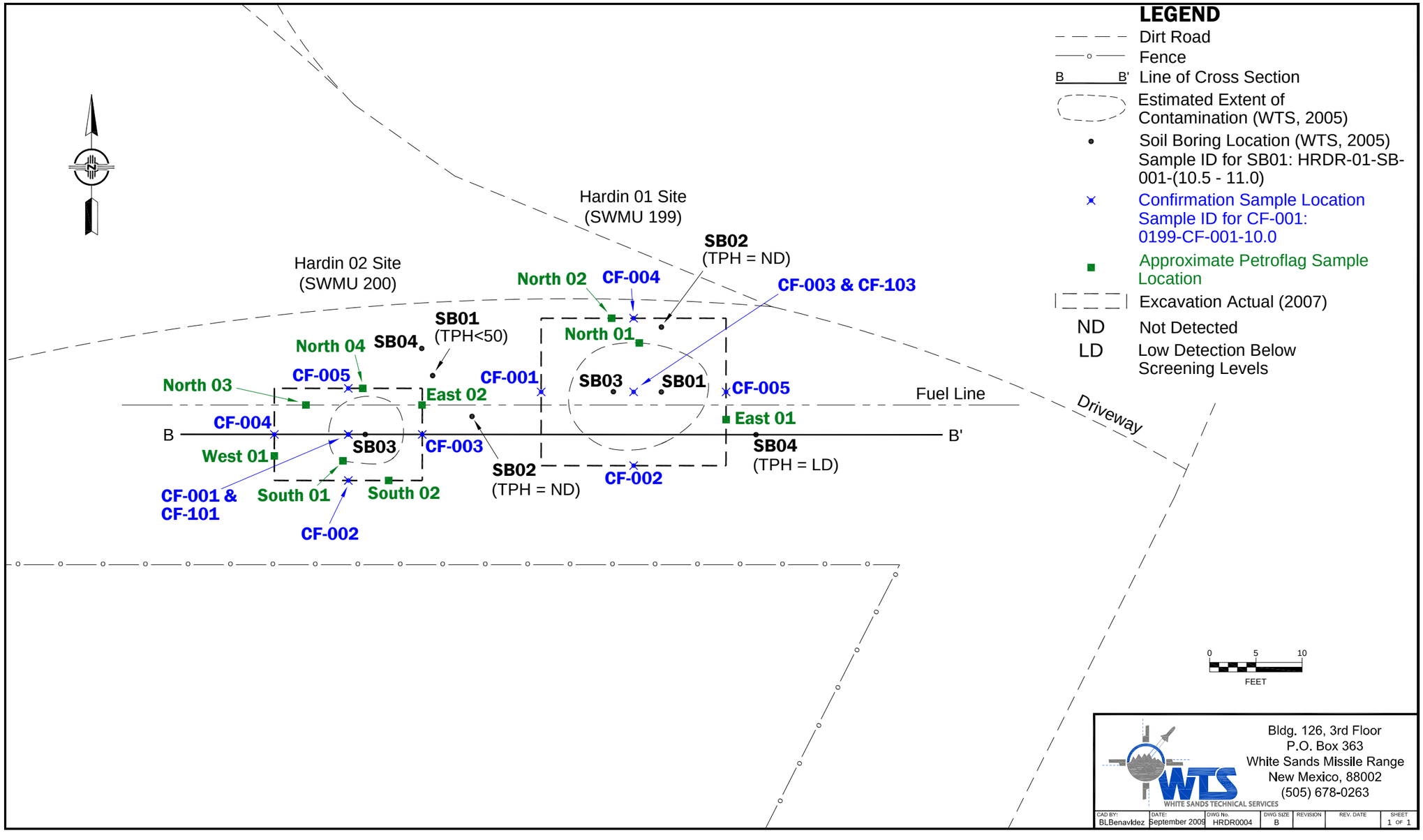

FIGURE 4. PLAN VIEW MAP OF THE HARDIN RANCH SITE.

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3.2.2 Results of Corrective Action (2006-2007 ACA)

WSMR completed remediation at Hardin Ranch from 24 July 2007 – 30 July 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of each excavation, Hardin-01 and Hardin-02 were delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 5.

WSMR completed excavation at Hardin Ranch in two stages (as two separate excavations). Preliminary investigation results indicated that contamination at the two sites was separated by an area of clean soil. Excavation at the site confirmed that the two sites were separate. Excavation at Hardin-01 was started first and excavation proceeded until the furthest extent of contaminated soil in the northern and western direction (in the direction of Hardin-02) was taken out. It was then decided to move to the Hardin-02 location to try and complete excavation there for logistical reasons (complete excavation at Hardin-02 prior to becoming inaccessible due to required continued excavation at the Hardin-01 site to the west and south). Crews completed excavation at the Hardin-02 site on 26 July with Petroflag ® confirmation results indicating clean base and sidewalls. Excavation continued at Hardin-01 until clean side walls were obtained to the south and west. Excavation was completed at Hardin-01 on 26 July 2007.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. Crews completed excavation at each site using a backhoe and used a Petroflag ® Test Kit to screen samples at the edges and base of the excavation (table 7). The excavation at the former AST at Hardin-01 was ultimately extended to a depth of approximately 14 ft bgs. The sides of the excavation measured approximately 20 ft X 16 ft. Three test kits were run using the Petroflag ® system at Hardin-01. Results ranged from 113 mg/kg to 2,453 mg/kg full range hydrocarbons. The 2,453 mg/kg result was obtained using a 1 gram diluted sample in the field. Petroflag® results higher than NMED THP Screening Guidelines initiated further excavation. Photographs 8 and 9 show the Hardin-01 excavation.

TABLE 7. PETROFLAG ® FIELD SCREENING RESULTS FOR HARDIN RANCH SITE.

Field Sample Location (ID)	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Hardin Ranch-01		
North side wall at 10feet bgs (North 01)	2,453	Further excavation to north
East side wall at 11 feet bgs (East 01)	113	No further excavation to east
North side wall at 10feet bgs (North 02)	133	No further excavation to north
Hardin Ranch-02		
South side wall sample at 7 feet (South 01)	2,354	Further excavation to south
South side wall sample at 7 feet (South 02)	203	No further excavation to south
North side wall at 10feet bgs (North 03)	718	Further excavation to north
East side wall at 8 feet bgs (East 02)	96	No further excavation to north
West side wall at 11 feet bgs (West 01)	109	No further excavation to west
North side wall at 10feet bgs (North 04)	143	No further excavation to north

PHOTOGRAPH 8. BEGINNING EXCAVATION AT THE HARDIN-01 SITE.
Photograph taken looking west.

PHOTOGRAPH 9.
NEAR COMPLETION OF EXCAVATION AT HARDIN-01 (FOREGROUND);
CONTINUING EXCAVATION AT HARDIN-02 (BACKGROUND).
Photograph taken looking west.

Crews ultimately extended the excavation at the former AST at Hardin-02 to a depth of approximately 12 ft bgs. The sides of the excavation measured approximately 16 ft X 10 ft and personnel ran six test kits using the Petroflag ® system at Hardin-02. Results ranged from 96 mg/kg to 2,354 mg/kg full range hydrocarbons. Petroflag ® results higher than NMED THP Screening Guidelines initiated further excavation. Photographs 10 and 11 show the Hardin-02 excavation.

PHOTOGRAPH 10. BEGINNING EXCAVATION AT HARDIN-02 SITE; HARDIN-01 EXCAVATION SHOWN TO LEFT IN PHOTOGRAPH.
Photograph taken looking south.

PHOTOGRAPH 11.
NEAR COMPLETION OF EXCAVATION AT HARDIN-02 SITE.
Photograph taken looking west.

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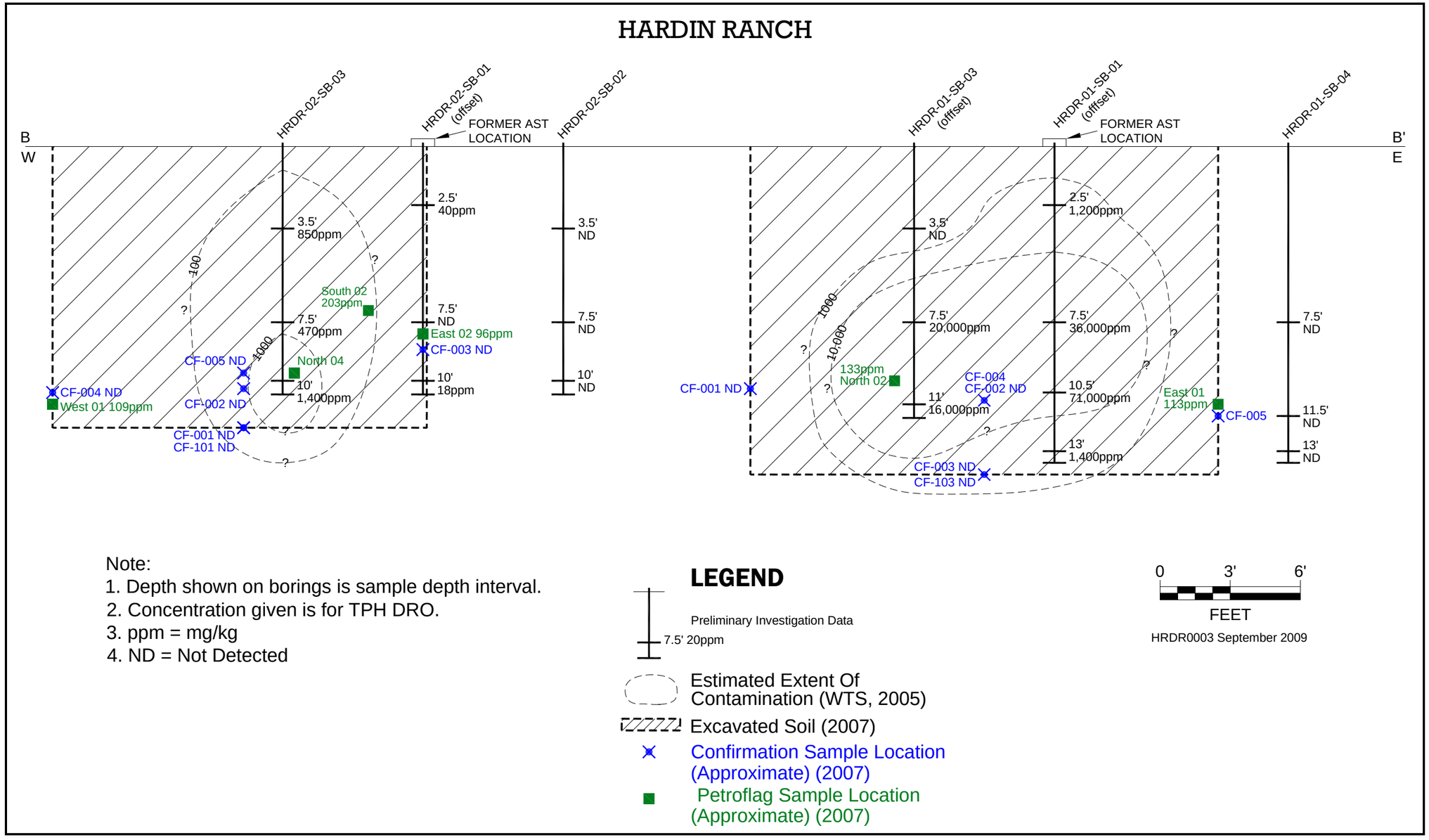

FIGURE 5. APPROXIMATE EXTENT OF EXCAVATIONS AT HARDIN RANCH.
The final excavation dimensions were approximately 20 ft X 16 ft X 14 ft at Hardin-01 and 16 ft X 10 ft X 12 ft at Hardin-02. Dashed line in figure denotes estimated extent of contamination from the work plan.

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3.2.2.1 Soil Staging and Transport

Personnel placed excavated contaminated soil directly at a polyethylene sheeting staging area immediately by the excavation (photograph 12). Clean backfill material was stockpiled at a similar unlined location at the site. Transport vehicles (trucks hauling 20-cubic yard belly-dump trailers) arriving at the site during field work would first drop a load of clean backfill material and then proceed to be loaded with diesel-contaminated material. Covers were then placed over the open trailer tops and the diesel-contaminated soil shipment tracked by use of a non-hazardous waste manifest. Original copies of the waste manifests used are on file with WSMR's Environmental Compliance. Photocopies of the waste manifests are included in appendix A.

PHOTOGRAPH 12. SOIL STAGING LOCATION AT HARDIN RANCH.
Photograph taken looking west.

3.2.2.2 Backfill and Grading

Borrow material was obtained from one off-WSMR source selected by the excavation and disposal contractor. The source was sampled for total RCRA metals prior to being accepted by WSMR for use. The analytical results of this test are shown in table 3 with the laboratory report included in appendix B.

Based on the analytical results of these samples, the borrow location Rhino Environmental Services, Inc. Land Farm, located in Otero County, NM (DP-1051) was approved for Hardin site. Following confirmation of successful remediation, crews filled the excavation with the approved backfill material and compacted it using heavy equipment packing and roll-over, with the final completion status shown in photograph 13.

PHOTOGRAPH 13. HARDIN RANCH SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking west.

3.2.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from each site, it is reported that WSMR removed a total of 220 cubic yards of contaminated soil from Hardin Ranch-01 and Hardin Ranch-02. Approximately 120 cubic yards was estimated for removal based on the preliminary investigation. This material was taken to Rhino Environmental Services, Inc. Land Farm (DP-1051) for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 1,000 mg/kg and was non-ignitable.

3.2.4 Verification of Remediation

To verify that clean-up objectives were met, an analytical laboratory (Trace Analysis of Lubbock. Texas) analyzed confirmation soil samples prior to excavation backfill. As stipulated in the work plan, samples were collected from the bottom of each excavation, from each sidewall, and one duplicate sample per excavation. Sidewall samples were taken preferentially, selecting the location most likely to contain residual diesel contamination in any sidewall, based on observation during excavation. Personnel collected confirmation samples directly from the backhoe bucket after directing the operator where to dig the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH diesel range organics (DRO), and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table8. Additionally, an equipment blank was collected using Type II water poured over the sample bowls following decontamination. Researchers detected no contaminants of concern that would indicate the sampling equipment would contaminate subsequent samples. All confirmation sample laboratory results are included in appendix C.

With the exception of arsenic, results of chemical analysis of confirmation samples indicate no contaminants were detected that exceed NMED Residential Soil Screening Levels. At Hardin-02, arsenic was detected in two samples above the NMED SSL of 3.9 mg/kg. The highest concentration of arsenic at Hardin-02 is 4.83 mg/kg.

At Hardin-01, researchers detected arsenic in one sample that was above the NMED Residential SSL of 3.9 mg/kg. The exceeding arsenic detection was reported as 17.8 mg/kg. However, these detections were from samples collected at the 10 ft depth, which are well below the residential exposure scenario depth of 0-2 ft bgs and is therefore of no concern. Residential exposure to soil, as described by NMED, is expected to occur during home maintenance activities, yard work and landscaping, and outdoor play activities. Contaminant intake is assumed to occur via three exposure pathways – direct ingestion, dermal absorption, and inhalation of volatiles and fugitive dusts. A depth of zero to two feet bgs is listed by NMED as the approximate depth of potential exposure to residential receptors. A pathway does not exist at this site for residential exposure to arsenic. NMED describes construction worker exposure as exposures to surface and subsurface soils (at depths of zero to 10 feet below ground surface) during excavation, maintenance and building construction projects (intrusive operations). A construction worker is assumed to be exposed to contaminants via the following pathways: incidental soil ingestion, dermal contact with soil, and inhalation of contaminated outdoor air (volatile and particulate emissions). The 17.8 mg/kg detection (10 feet bgs) was above the NMED SSL for construction worker of 17.7 mg/kg. Based on four arsenic confirmation samples, collected at 10 feet bgs at the Hardin Ranch site, the mean concentration for this interval is 7.14 mg/kg. The mean concentration is below the NMED construction worker SSL.

For the forseeable future, the construction worker exposure pathway is not complete. No future activities are planned for this location, located on WSMR, that would lead to excavation and potential exposure to construction workers at the site.

The DAF20 for arsenic is 58.3 mg/kg which is well above the highest detection of 17.8 mg/kg of arsenic on-site. Based on this factor, is not expected that the concentration of arsenic is high enough to leach to ground water.

The presence of arsenic in soil across the site at concentrations above background can not be fully explained. WSMR asserts that there are no known anthropogenic sources for arsenic on White Sand Missile Range. Arsenic was not managed as a waste and no arsenic-containing materials are known to have been used at this site. The observed arsenic is likely naturally-occurring.

TPH DRO was not detected in the Hardin-01 and Hardin-02 confirmation samples at a reporting limit of 50 mg/kg. No VOCs or SVOCs were detected in any confirmation samples from the Hardin Ranch excavations. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at levels above human health concern.

TABLE 8. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS HARDIN RANCH SITE

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
Hardin Ranch-01									
0199-CF-001-10.0 West side wall sample at 10 ft	<50	<0.250	2.47	125	1.39	19.4	<0.040	<1.00	<2.00
0199-CF-002-10.0 South side wall sample at 10 ft	<50	<0.250	17.8	140	1.57	19.2	<0.040	<1.00	<2.00
0199-CF-003-14.0 Base sample at 14 ft	<50	<0.250	3.25	124	1.45	21.9	<0.040	<1.00	<2.00
0199-CF-103-14.0 Duplicate of -003 sample	<50	<0.250	2.98	139	1.50	21.8	<0.040	<1.00	<2.00
0199-CF-004-10.0 North side wall sample at 10 ft	<50	<0.250	3.44	156	1.48	21.5	<0.040	<1.00	<2.00
0199-CF-005-11.0 East side wall sample at 11 ft	<50	<0.250	3.27	178	1.44	20.6	<0.040	<1.00	<2.00

TABLE 8. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS HARDIN RANCH SITE

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Hardin Ranch-02									
0200-CF-001-12.0 Base sample at 12 ft	<50	<0.250	4.02	133	1.54	22.1	<0.040	<1.00	<2.00
0200-CF-101-12.0 Duplicate of -001 sample	<50	<0.250	3.32	128	1.39	19.9	<0.040	<1.00	<2.00
0200-CF-002-11.0 South side wall sample at 11 ft	<50	<0.250	3.42	144	1.65	22.6	<0.040	<1.00	<2.00
0200-CF-003-8.0 East side wall sample at 8 ft	<50	<0.250	3.49	140	1.46	20.7	<0.040	<1.00	<2.00
0200-CF-004-11.0 West side wall sample at 11 ft	<50	<0.250	3.88	136	1.40	20.1	<0.040	<1.00	<2.00
0200-CF-005-10.0 North side wall sample at 10 ft	<50	<0.250	4.83	176	1.47	18.9	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

3.3 ORC Commo (SWMU 203)

3.3.1 Preliminary Investigation (BAE Systems, 2003)

The Range-wide AST survey identified a surface stain beneath the location of a former AST at Oscura Commo Site (SWMU 203; CCWS 29). A stained area of gravel with clay was located during the preliminary investigation (photograph 14). Based on examination of cores from the preliminary investigation, soils at Oscura Commo Site appear to generally be clays with some minor silt and sand down to 16 ft bgs. Approximate depth to ground water at this site is unknown.

PHOTOGRAPH 14.
OSCURA COMMO SITE.
Photograph taken looking south.

Four soil borings were made at this site using a direct push geoprobe. Concentrations of DRO were quantified at 1,400 mg/kg in samples taken from 8 ft bgs in the first boring (soil boring ORC-SB-01), presumed to be made at the point of origin of the release. This concentration exceeded the 520 mg/kg NMED residential TPH screening guideline for diesel fuel. Personnel detected no DRO above reporting limits of 12 mg/kg at greater depth in the initial soil boring.

Extent of Contamination from the Preliminary Investigation

ORC Commo Site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 6 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. The full extent of contamination was not determined during the preliminary investigation. Further site characterization through soil sampling (with the exception of confirmation samples) was not completed. The determination of furthest extent of contamination and remediation was accomplished through excavation and soil removal (Section 3.3.2). It was originally estimated that approximately 30 cubic yards of contaminated soil was beneath the ORC Commo site. Actual excavation dimensions are shown superimposed over the original estimate on figure 6. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 7. Table 9 lists detected analytes from the preliminary investigation.

TABLE 9. PRELIMINARY INVESTIGATION DETECTED RESULTS ORC COMMO SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
OSRC-02-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	NE
OSRC-02-SD-01DL	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	1200	D	mg/Kg	520
OSRC-02-SB-001-(1.5-2.0)	SB01	01.5-2.0	5/24/2003	Diesel Range Organics (C12-C24)	170		mg/Kg	520
OSRC-02-SB-001-(1.5-2.0)	SB01	01.5-2.0	5/24/2003	Bromofluorobenzene	102		µg/Kg	NE
OSRC-02-SB-001-(8.0-8.5)DL	SB01	08.0-8.5	5/24/2003	Diesel Range Organics (C12-C24)	1400	D	mg/Kg	520
OSRC-02-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/24/2003	Oil Range Organics (C24-C40)	460		mg/Kg	2,500
OSRC-02-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/24/2003	Bromofluorobenzene	98		µg/Kg	NE
OSRC-02-SB-001-(11.5-12.0)	SB01	11.5-12.0	5/24/2003	Bromofluorobenzene	102		µg/Kg	NE
OSRC-02-SB-001-(15.5-16)	SB01	15.5-16.0	5/24/2003	Bromofluorobenzene	100		µg/Kg	NE
OSRC-02-SB-002-(4.0-4.5)	SB02	04.0-4.5	5/24/2003	Oil Range Organics (C24-C40)	61		mg/Kg	2,500
OSRC-02-SB-003-(1.0-1.5)	SB03	01.0-1.5	5/24/2003	Diesel Range Organics (C12-C24)	25		mg/Kg	520
OSRC-02-SB-003-(5.0-5.5)	SB03	05.0-5.5	5/24/2003	Diesel Range Organics (C12-C24)	14		mg/Kg	520

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

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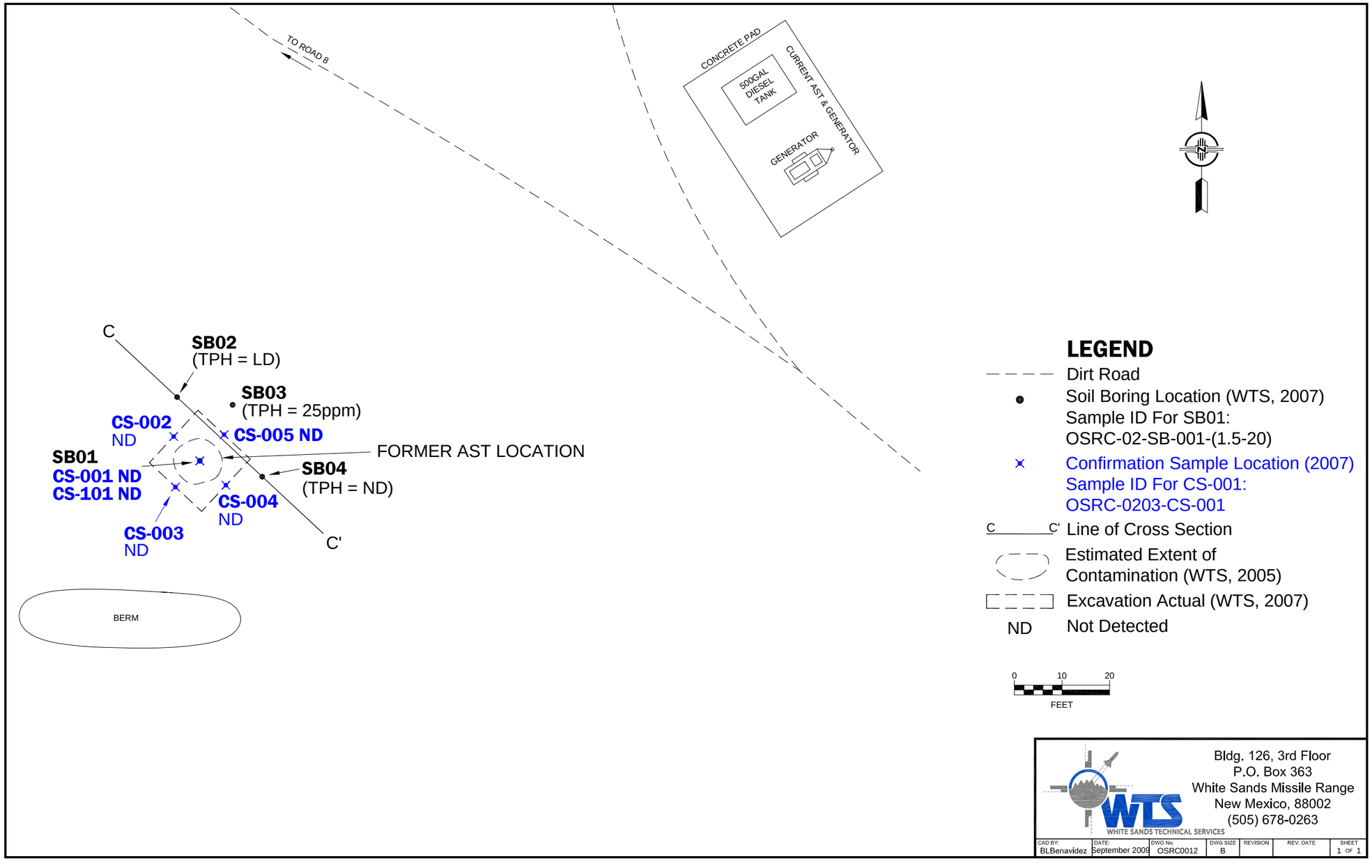

FIGURE 6. PLAN VIEW MAP OF THE ORC COMMO SITE.

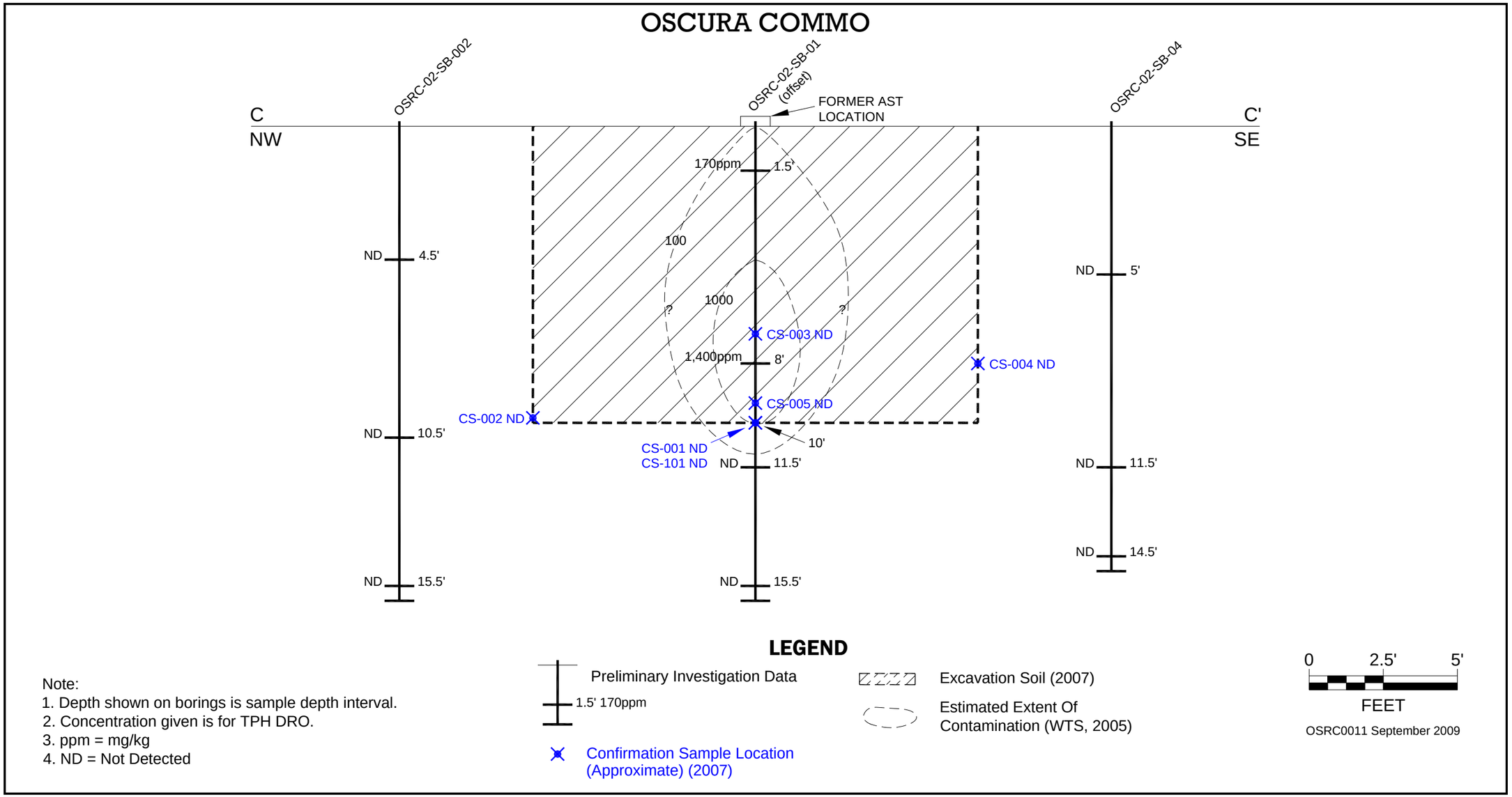

FIGURE 7. APPROXIMATE EXTENT OF EXCAVATIONS AT ORC COMMO SITE.
The final excavation dimensions were approximately 15 ft X 15 ft X 10 ft.
Dashed line in figure denotes estimated extent of contamination from the work plan.

3.3.2 Results of Corrective Action

WSMR completed remediation at the ORC Commo Site from 19-28 June 2006. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation were delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. Petroflag ® analysis was not run on samples from this site. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 7.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation was extended accordingly. The excavation at the former AST at ORC Commo was ultimately extended to a depth of approximately 10 ft bgs. The sides of the excavation measured 15 ft X 15 ft. Photograph 15 shows the ORC Commo excavation.

Personnel completed soil transport, backfill, and grading as described in sections 3.2.2.1 and 3.2.2.2. Soil was not staged at ORC Commo. Soil was excavated and placed directly into the dump trucks for transport. Photograph 16 shows the ORC Commo completion after backfill.

PHOTOGRAPH 15. EXCAVATION AT ORC COMMO SITE.
Photograph taken looking west.

PHOTOGRAPH 16. ORC COMMO SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking south.

3.3.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from the ORC Commo site, it is reported that 80 cubic yards of contaminated soil was removed. Crews took this material to DP-1051 for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 177 mg/kg and was non-ignitable.

3.3.4 Verification of Remediation

To verify that clean-up objectives were met, an analytical laboratory (Trace Analysis of Lubbock. Texas) analyzed confirmation soil samples prior to excavation backfill. As stipulated in the work plan, personnel collected samples from the bottom of the excavation and one from each sidewall. They took one duplicate sample per excavation. Samples were collected from sidewalls preferentially, selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to take the sample. Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 10. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. TPH DRO was not detected above the laboratory reporting limit of 50 mg/kg in any of the samples. No VOCs or SVOCs were detected in any confirmation samples from the ORC Commo excavation. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at levels above regulatory concern.

TABLE 10. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS ORC COMMO SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
OSRC-0203-CS-001 Base sample	<50	0.734	<1.00	47.6	0.910	9.12	<0.040	4.94	<1.00
OSRC-0203-CS-101 Duplicate of Base sample	<50	0.782	<1.00	44.6	0.944	9.05	<0.040	5.11	<1.00
OSRC-0203-CS-002 Northwest side wall sample at 10 ft	<50	0.324	<1.00	168	2.05	20.3	<0.040	15.6	<1.00
OSRC-0203-CS-003 Southwest side wall sample at 7 ft	<50	0.322	<1.00	196	2.04	19.6	<0.040	15.9	<1.00
OSRC-0203-CS-004 Southeast side wall sample at 8 ft	<50	0.351	<1.00	162	2.04	20.3	<0.040	15.4	<1.00
OSRC-0203-CS-005 Northeast side wall sample at 10 ft	<50	0.343	<1.00	176	2.29	22.7	<0.040	17.9	<1.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

3.4 Harriett Site (SWMU 204)

3.4.1 Preliminary Investigation (BAE Systems, 2003)

The AST survey identified surface stains beneath the location of a former AST at the Harriett site (SWMU 204; CCWS 30). This stain was located during the preliminary investigation (photograph 17). Based on examination of cores from the direct push probe, soils at Harriett site appear to generally consist of fine-to-medium-grained sands with clay from the surface down to 4 ft bgs. From 4 to 12 ft bgs, fine- to medium-grained quartz sands were encountered. Beyond 12 ft bgs, researchers encountered clayey-very-fine-to-fine-grained-gypsiferous sands with possible caliche down to 16 ft bgs. An estimated depth to water at this site is greater than 150 ft bgs based on the Murray Test Well located approximately eight miles to the east and the SRM wells located approximately 20 miles to the north at Stallion Range Center.

PHOTOGRAPH 17.
STAINED SOILS AT SITE OF FORMER AST, HARRIETT SITE.

Crews initially made four soil borings at this site using the direct push geoprobe, and made an additional three a week later during additional investigation. Concentrations of DRO were quantified as high as 3,400 mg/kg in samples taken from the first boring which were presumed to be made at the point of origin of the release (soil boring HRRT-SB-01). Samples taken from this borehole all had detectable levels of DRO, but only trace levels (13 mg/kg) were detected in a sample taken at 15.5 ft bgs. DRO was quantified at 2,300 mg/kg at 7.5 ft bgs in a boring made approximately 5 ft northwest and downhill of the initial boring (soil boring HRRT-SB-03). No DRO was detected above reporting limits in samples taken from a boring made approximately 9 ft north and downhill from that boring (soil boring HRRT-SB-02). Trace levels (11 mg/kg) of DRO were also detected at 7.5 and 11.5 ft bgs in a boring (HRRT-SB-06) made 8 ft east of the initial boring.

Extent of Contamination from the Preliminary Investigation

Harriett Site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 8 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the original estimated horizontal extent of contamination. It was originally estimated that approximately 110 cubic yards of contaminated soil was beneath Harriett Site. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 9. Detected analytes from the preliminary investigation are listed in Table 11.

3.4.2 Results of Corrective Action

Personnel completed remediation at the Harriett Site from 19 July 2007 – 31 July 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation was delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, personnel extended excavation in the appropriate direction until no physical evidence remained of further contamination in that direction. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 9. Excavation at Harriett Site was completed in two stages. From 19 July through 23 July, excavation proceeded in the north, east, and west directions from the center point of the spill until clean soil was obtained. Excavation proceeded to the south until the excavation neared a marked fiber optic line. It was determined at this time to halt excavation until either confirmation samples showed no further excavation was needed or if needed, personnel from WSMR's communications directorate could supervise. The first confirmation samples (discussed in section 3.4.4) indicated further excavation to the south was warranted. Excavation was completed on 31 July 2007 under supervision to ensure the fiber optic cable was not damaged. Excavation to the south continued until clean soil was reached with verification from an additional confirmation sample.

Site personnel conducted physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. Excavation at the site was completed using a backhoe. Additionally, a Petroflag ® Test Kit was used to screen samples at the edges and base of the excavation. Personnel ultimately extended excavation at the former AST at Harriett to a depth of approximately 14.5 ft bgs. The sides of the excavation measured approximately 8 ft X 15 ft. Six test kits were run using the Petroflag ® system (table 12). Results ranged from 59 mg/kg to 2,190 mg/kg full range hydrocarbons. PetroFlag ® results greater than 520 mg/kg (TPH Screening Level) elicited further excavation. Personnel completed soil staging, transport, backfill, and grading as described in sections 3.2.2.1 and 3.2.2.2. Photographs 18-21 show the Harriett excavation.

TABLE 11. PRELIMINARY INVESTIGATION DETECTED RESULTS HARRIETT SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
HRRT-01-SD-01	NA	surface	5/6/2003	Flash Point (Setaflash)	200	>	degrees F	69,600
HRRT-01-SD-01DL	NA	surface	5/6/2003	Diesel Range Organics (C12-C24)	230	D	mg/Kg	520
HRRT-01-SB-001-(3.5-4.0)	SB01	03.5-4.0	5/27/2003	Diesel Range Organics (C12-C24)	180		mg/Kg	520
HRRT-01-SB-101-(3.5-4.0)	SB01	03.5-4.0	5/27/2003	Diesel Range Organics (C12-C24)	210		mg/Kg	520
HRRT-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Diesel Range Organics (C12-C24)	3400	D	mg/Kg	520
HRRT-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Chrysene	20	J	µg/Kg	48,100
HRRT-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Oil Range Organics (C24-C40)	100		mg/Kg	2,500
HRRT-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Pyrene	84		µg/Kg	1,720,000
HRRT-01-SB-001-(12-12.5)DL	SB01	12.0-12.5	5/27/2003	Diesel Range Organics (C12-C24)	1100	D	mg/Kg	520
HRRT-01-SB-001-(15.5-16.0)	SB01	15.5-16.0	5/27/2003	Diesel Range Organics (C12-C24)	13		mg/Kg	520
HRRT-01-SB-003-(7.5-8.0)DL	SB03	07.5-8.0	5/27/2003	Diesel Range Organics (C12-C24)	2300	D	mg/Kg	520
HRRT-01-SB-003-(14.5-15.0)	SB03	14.5-15.0	5/27/2003	Diesel Range Organics (C12-C24)	17		mg/Kg	520
HRRT-01-SB-004-(11.5-12.0)	SB04	11.5-12.0	5/27/2003	Diesel Range Organics (C12-C24)	54		mg/Kg	520
HRRT-01-SB-004-(14.5-15.0)	SB04	14.5-15.0	5/27/2003	Diesel Range Organics (C12-C24)	44		mg/Kg	520
HRRT-01-SB-006 (7.5-8.0)	SB06	07.5-8.0	5/29/2003	Diesel Range Organics (C12-C24)	11		mg/Kg	520
HRRT-01-SB-006 (11.5-12.0)	SB06	11.5-12.0	5/29/2003	Diesel Range Organics (C12-C24)	11		mg/Kg	520

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

TABLE 12. PETROFLAG ® FIELD SCREENING RESULTS FOR HARRIETT SITE.

Field Sample Location (ID)	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Southeast side wall at 11 feet bgs (SE01)	59	No further excavation to southeast
Base sample center at 10 feet (Base01)	211	Field crew decided to excavate further
Northeast side wall at 8 feet bgs (NE01)	59	No further excavation to northeast
Base sample center at14.5 feet (Base02)	98	No further excavation down
Northwest side wall at 13 feet (NW01)	79	No further excavation to northwest
Southwest side wall at 10feet bgs (SW01)	2,190	Further excavation to southwest

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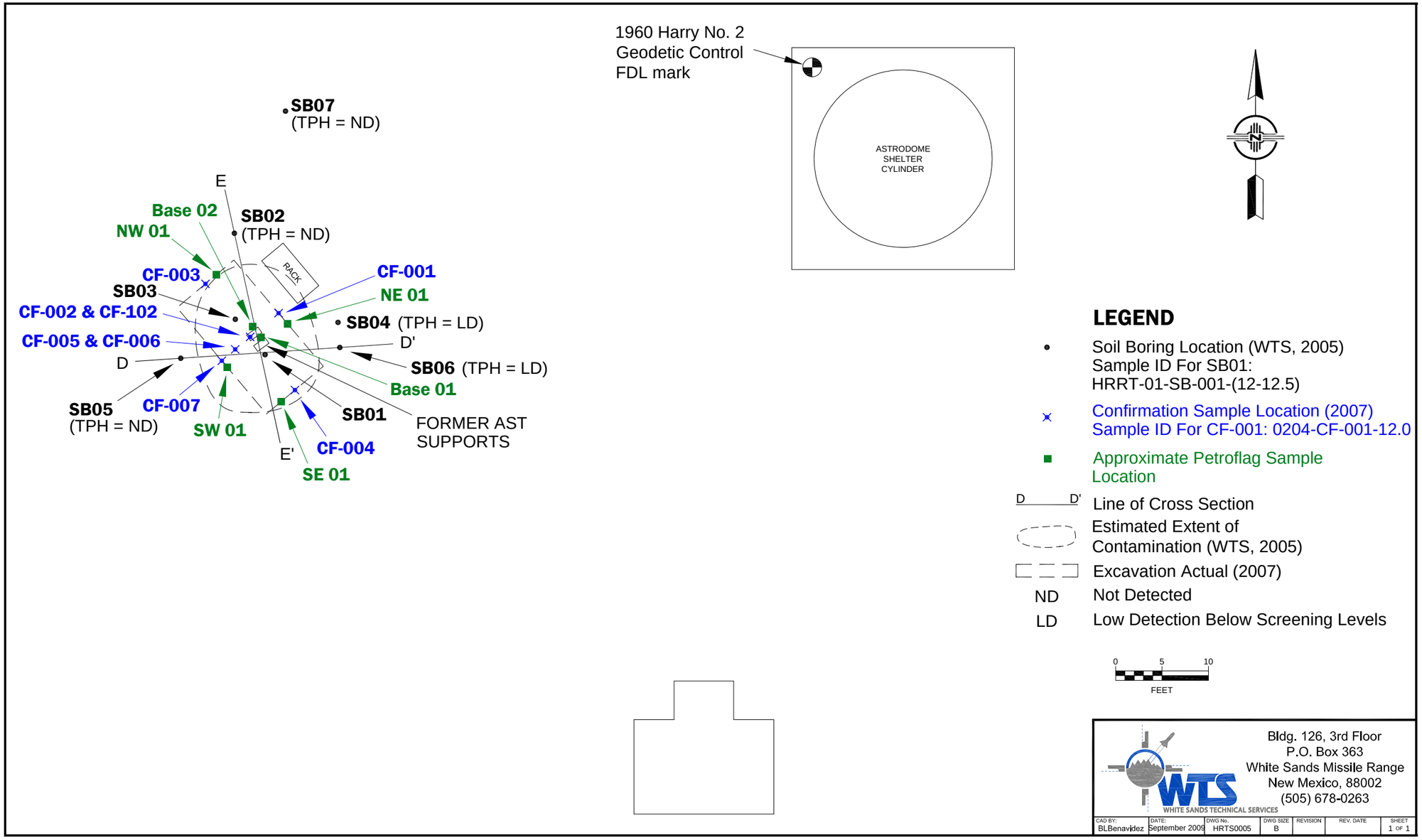

FIGURE 8. PLAN VIEW MAP OF THE HARRIETT SITE.

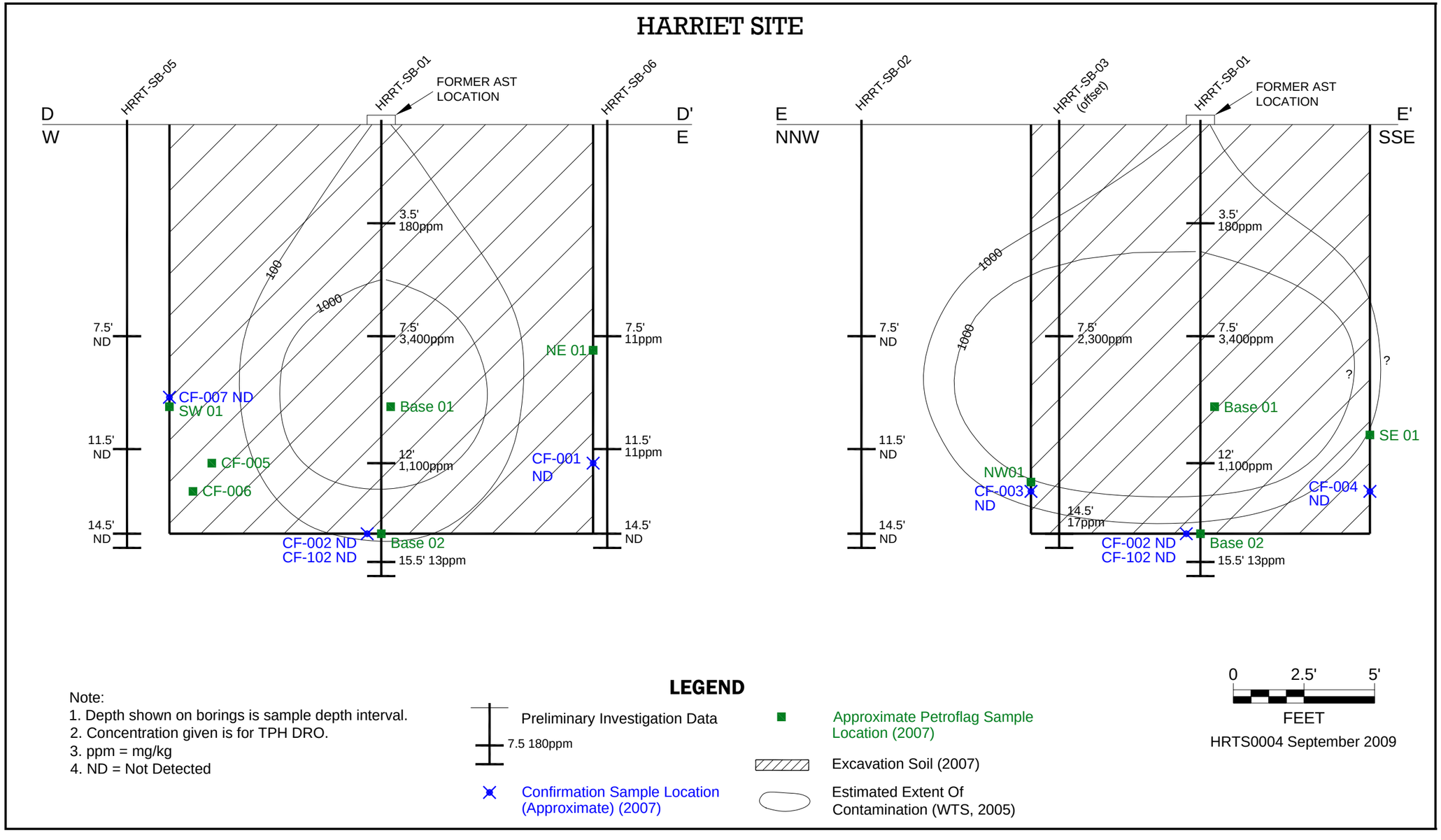

FIGURE 9. APPROXIMATE EXTENT OF EXCAVATIONS AT HARRIETT SITE.
The final excavation dimensions were approximately 8 ft X 15 ft X 14.5 ft. Dashed line in figure denotes estimated extent of contamination from the work plan.

PHOTOGRAPH 18. BEGINNING EXCAVATION AT THE HARRIETT SITE.
Photograph taken looking west.

PHOTOGRAPH 19. CONTINUING EXCAVATION AT HARRIETT SITE.
Photograph taken looking west.

PHOTOGRAPH 20. SOIL STAGING LOCATION AT HARRIETT.
Photograph taken looking north-east.

PHOTOGRAPH 21. HARRIETT SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking west.

3.4.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from each site, it is reported that 92 cubic yards of contaminated soil was removed from Harriett Site which was lower than the estimate of 110 cubic yards from the preliminary investigation. This material was taken to DP-1051for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 230 mg/kg and was non-ignitable.

3.4.4 Verification of Remediation

To verify that clean-up objectives were met, Trace Analysis analyzed confirmation soil samples prior to excavation backfill. As stipulated in the work plan, personnel collected samples from the bottom of the excavation, from each sidewall, and one duplicate sample per excavation. Samples taken from the excavation floors were collected as closely to the lateral centers of the diesel spills as possible. Crews took samples from sidewalls and preferentially selected the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to excavate the sample. Soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. There were no detections of VOCs or SVOCs from the site. Confirmation sample results for TPH DRO and RCRA metals are listed in table 13. Additionally, an equipment blank was collected using Type II water poured over the sample bowls following decontamination and analyzed. Personnel did not detect any contaminants of concern that would indicate the sampling equipment would contaminate subsequent samples. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels with the exception of on DRO sample from the south side-wall. Three confirmation samples were collected from the south side-wall. The first sample (0204-CF-005-13.0) had a TPH DRO laboratory detection of 113 ppm. A corresponding Petroflag ® analysis was 2,190 mg/kg full range hydrocarbons. Due to the difference in result, a resample (0204-CF-006-13.0) for laboratory analysis was collected which resulted in 5,150 mg/kg DRO. Following further excavation to the south to remove the additional contaminated soil, a third confirmation sample (0204-CF-007-10.0) collected resulted in a DRO concentration of 50 mg/kg indicating that contamination on the south side wall had been fully removed. TPH DRO was not detected in any other confirmation samples at a reporting limit of 50 mg/kg. Personnel did not detect VOCs or SVOCs in any confirmation samples from the Harriett excavation. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at concentrations above regulatory concern.

TABLE 13. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS HARRIETT SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0204-CF-001-12.0 Northeast side wall sample at 12 ft	<50	<0.250	<2	64.6	<0.200	5.37	<0.040	<1.00	<2.00
0204-CF-002-14.5 Base sample at 14.5 ft	<50	<0.250	<2	63.3	0.551	7.52	<0.040	<1.00	<2.00
0204-CF-102-14.5 Duplicate of -002 sample	<50	<0.250	2.09	67.4	0.542	7.90	<0.040	<1.00	<2.00

TABLE 13. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS HARRIETT SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
0204-CF-003-13.0 Northwest side wall sample at 13 ft	<50	<0.250	<2	85.6	0.512	6.42	<0.040	<1.00	<2.00
0204-CF-004-13.0 Southeast side wall sample at 13 ft	<50	<0.250	<2	29.1	<0.200	4.60	<0.040	<1.00	<2.00
0204-CF-005-13.0 First southwest side wall sample at 12 ft	113	<0.250	2.16	58.8	0.411	7.76	<0.040	<1.00	<2.00
0204-CF-006-13.0 Resample of southwest side wall sample at 13 ft	5,150	<0.250	<2	101	0.301	5.59	<0.040	<1.00	<2.00
0204-CF-007-10.0 Southwest side wall sample at 10 ft after further excavation	<50	<0.250	<2	27.2	0.220	3.76	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

3.5 SE-70 (SWMU 205)

3.5.1 Preliminary Investigation (BAE Systems, 2003)

The Range-wide AST survey identified a surface stain beneath the former site of an AST at SE-70 Site (SWMU 205; CCWS 31) (photograph 22). This stained area was not visible during the May 2003 preliminary investigation, but laboratory analysis of a soil sample taken at 1.5 ft bgs at that time quantified DRO at 1,000 mg/kg. Based on examination of cores from the preliminary investigation, soils at the site appear to be clayey, silty, gypsiferous fine-grained sands with clay content generally increasing with depth down to 10 ft bgs. The geoprobe also repeatedly encountered shallow refusals in soils at the site. Approximate depth to ground water at this site is unknown.

PHOTOGRAPH 22.
FORMER LOCATION OF AST, SE-70 SITE.
Photograph taken looking south-west.

Five soil borings were made at this site during the preliminary investigation. Only low levels (150 mg/kg) of DRO were detected in laboratory analysis of samples taken from the boring (soil boring SE-70-SB-01) at the presumed point of release, but this boring also could not be extended beyond 6 ft bgs. Laboratory analysis of samples taken from soil borings made approximately 10 ft west and approximately 10 ft south of the initial boring at the presumed point of release quantified DRO at 9,100 mg/kg (soil boring SE-70-SB-03) and 21,000 mg/kg (soil boring SE-70-SB-04), respectively.

Extent of Contamination from the Preliminary Investigation

SE-70 Site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 10 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. Personnel estimated that approximately 80 cubic yards of contaminated soil was beneath the SE-70 site. Actual excavation dimensions are shown superimposed over the original estimate on figure 10. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 11. Table 14 lists detected analytes from the preliminary investigation.

3.5.2 Results of Corrective Action

WSMR completed remediation at SE-70 from 20-23 December 2005. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation were delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. The Petroflag ® test kit was not available to the field crew at the time of this excavation, therefore, no Petroflag ® analysis was run. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 11.

Site personnel conducted physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. Crews ultimately extended excavation at the former AST at SE 70 to a depth of approximately 5 ft bgs. The sides of the excavation measured 45 ft X 22 ft. Photographs 23 and 24 show the SE-70 excavation. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2 (photographs 25-26).

PHOTOGRAPH 23. BEGINNING EXCAVATION AT SE-70 SITE.
Photograph taken looking south-east.

TABLE 14. PRELIMINARY INVESTIGATION DETECTED RESULTS SE-70 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
SE70-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	69,600
SE70-01-SD-01DL	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	1000	D	mg/Kg	520
SE70-01-SD-01	NA	surface	5/7/2003	Oil Range Organics (C24-C40)	290		mg/Kg	2,500
SE70-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/24/2003	Diesel Range Organics (C12-C24)	150		mg/Kg	520
SE70-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/24/2003	Bromofluorobenzene	101		µg/Kg	NE
SE70-01-SB-001-(5.5-6.0)	SB01	05.5-6.0	5/24/2003	Oil Range Organics (C24-C40)	66		mg/Kg	2,500
SE70-01-SB-001-(5.5-6.0)	SB01	05.5-6.0	5/24/2003	Bromofluorobenzene	102		µg/Kg	NE
SE70-01-SB-002-(5.0-5.5)	SB02	05.0-5.5	5/24/2003	Oil Range Organics (C24-C40)	210		mg/Kg	2,500
SE70-01-SB-002-(9.5-10.0)	SB02	09.5-10.0	5/24/2003	Oil Range Organics (C24-C40)	130		mg/Kg	2,500
SE70-01-SB-003-(1.0-1.5)DL	SB03	01.0-1.5	5/24/2003	Diesel Range Organics (C12-C24)	9100	D	mg/Kg	520
SE70-01-SB-003-(3.5-4.0)DL	SB03	03.5-4.0	5/24/2003	Diesel Range Organics (C12-C24)	520	D	mg/Kg	520
SE70-01-SB-004-(0.5-1.0)	SB04	0.5-1.0	5/24/2003	Diesel Range Organics (C12-C24)	3900	D	mg/Kg	520
SE70-01-SB-004-(3.0-3.5)	SB04	03.0-3.5	5/24/2003	Diesel Range Organics (C12-C24)	21000	D	mg/Kg	520
SE70-01-SB-005-(1.0-1.5)	SB05	01.0-1.5	5/24/2003	Bromofluorobenzene	100		µg/Kg	NE
SE70-01-SB-005-(2.5-3.0)	SB05	02.5-3.0	5/24/2003	Oil Range Organics (C24-C40)	90		mg/Kg	2,500

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

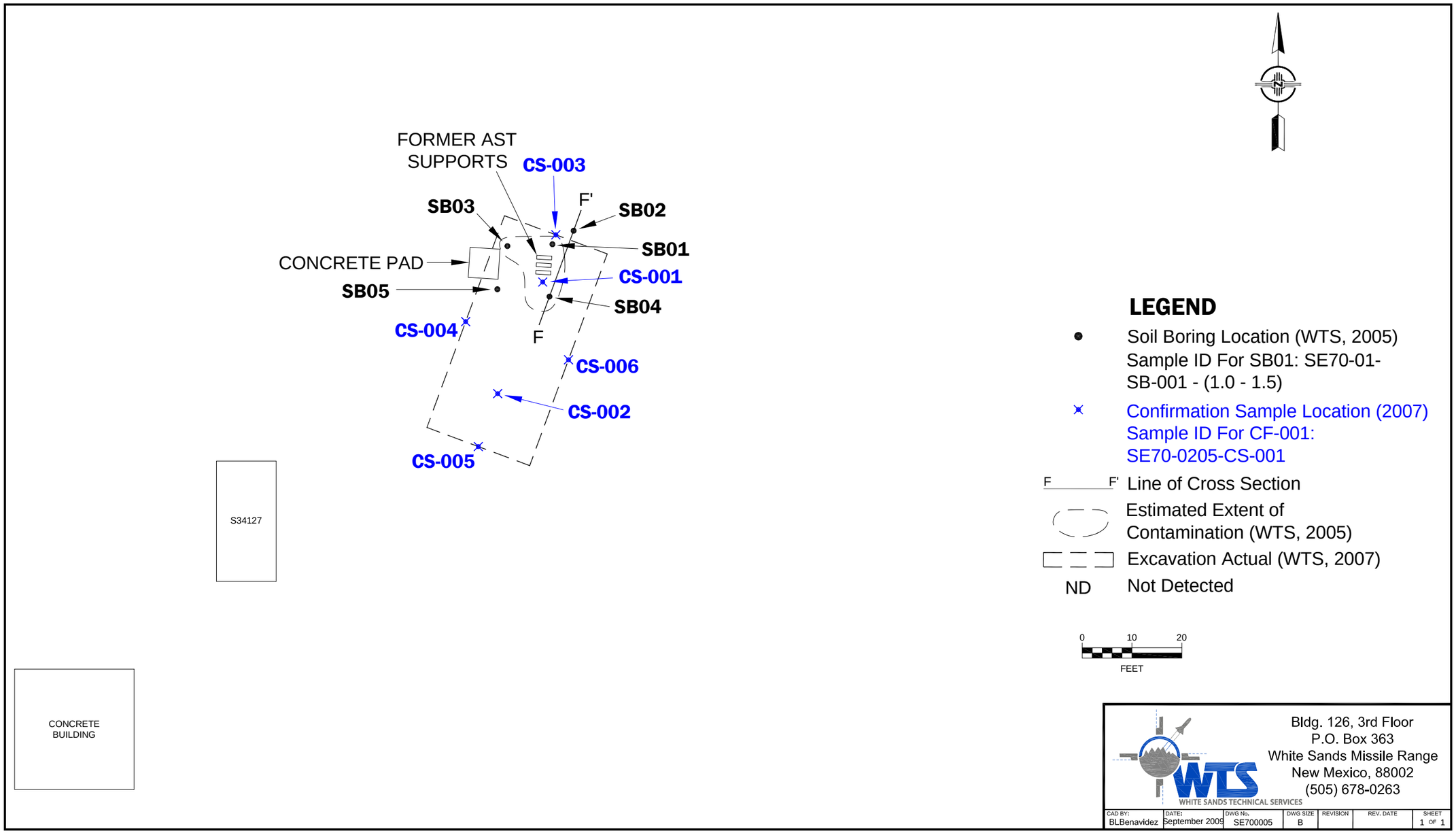

FIGURE 10. PLAN VIEW MAP OF THE SE-70 SITE.

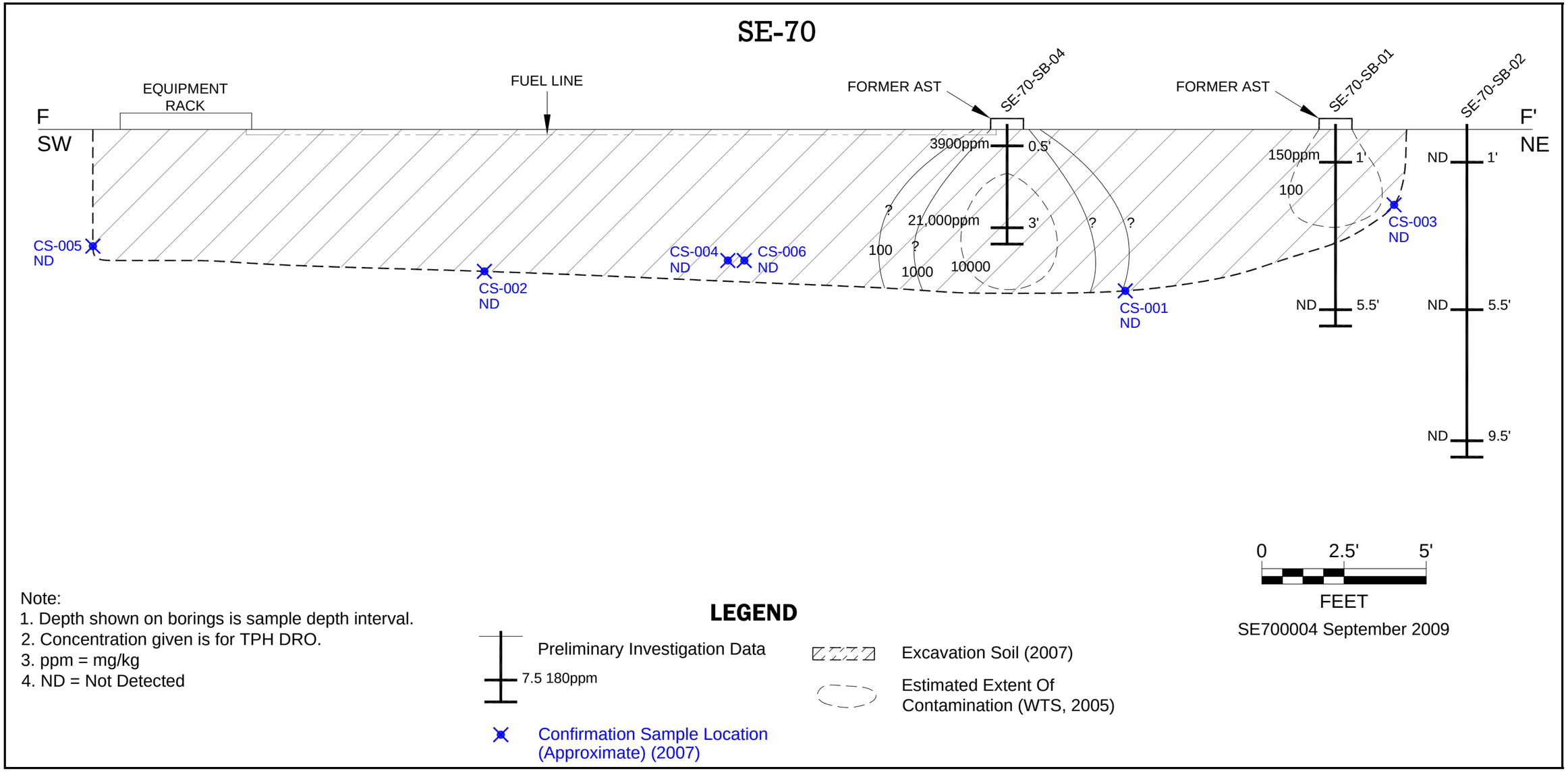

FIGURE 11. APPROXIMATE EXTENT OF EXCAVATIONS AT SE-70 SITE.
The final excavation dimensions were approximately 45 ft X 22 ft X 5 ft.
Dashed line in figure denotes estimated extent of contamination from the work plan.

PHOTOGRAPH 24. COMPLETED EXCAVATION AT SE-70 SITE.
Photograph taken looking south.

PHOTOGRAPH 25. SOIL STAGING LOCATION AT SE-70.
Photograph taken looking west.

PHOTOGRAPH 26. SE-70 SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking south.

3.5.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from SE-70 Site, it was reported that crews removed 200 cubic yards of contaminated soil. This material was taken to DP-1051 for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 3,830 mg/kg and was non-ignitable.

3.5.4 Verification of Remediation

To verify that clean-up objectives were met, Trace Analysis analyzed confirmation soil samples prior to excavation backfill. As stipulated in the work plan, personnel collected samples from the bottom of the excavation, one from each sidewall, and one duplicate sample per excavation. Samples were collected from sidewalls preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to take the sample. Personnel collected discrete soil samples from the bucket into a stainless steel bowl for prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 15. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. TPH DRO was not detected above the laboratory reporting limit of 50 mg/kg in any of the samples. No VOCs or SVOCs were detected in any confirmation samples from the SE-70 excavation. No relevant data quality exceptions were noted that could mask VOC or SVOC detections. Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site.

TABLE 15. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS SE-70 SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
SE70-0205-CS-001 Base sample near northeast side	<50.0	<0.050	<2.00	8.58	<0.100	<0.500	<0.040	<1.00	<1.00
SE70-0205-CS-101 Duplicate of Base sample	<50.0	<0.050	<2.00	8.48	<0.100	<0.500	<0.040	<1.00	<1.00
SE70-0205-CS-002 Base sample near southwest side	<50.0	<0.050	<2.00	7.79	<0.100	<0.500	<0.040	<1.00	<1.00
SE70-0205-CS-003 Northeast side wall sample at 3 ft	<50.0	<0.050	<2.00	18.2	0.224	<0.500	<0.040	<1.00	<1.00
SE70-0205-CS-004 Northwest side wall sample at 5 ft	<50.0	<0.050	<2.00	28.2	0.286	<0.500	<0.040	<1.00	<1.00
SE70-0205-CS-005 Southwest side wall sample at 4 ft	<50.0	<0.050	<2.00	72.9	2.25	15.9	<0.040	90.5	<1.00
SE70-0205-CS-006 Southeast side wall sample at 5 ft	<50.0	<0.050	<2.00	47.2	0.404	<0.500	<0.040	1.70	<1.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

3.6 Atom Site (SWMUs 206-207)

3.6.1 Preliminary Investigation (BAE Systems, 2003)

The survey identified two separate potential release areas associated with two separate ASTs at Atom Site (photograph 27), both of which had been removed at the time of the survey. The preliminary investigation identified a tan-yellow area with no vegetation and another area with a noticeable hydrocarbon odor. Based on examination of cores from the direct push probe, soils at the site appear to consist of alternating layers of maroon and yellow-brown clays down to 8 ft bgs. No wells have been drilled at North Oscura Peak (where the atom sites are located). It is likely, however, that water migrating downward through the soil encounters dipping limestone layers. It is believed that unsaturated flow through the limestone is primarily along fractures and bedding planes where the groundwater ultimately enters the Precambrian basement rock below the sedimentary rock. Almost all of the groundwater in the rocks of Pennsylvanian age occur in fractures in the limestone and appears in springs, shallow wells, and collection galleries on the back slope. These sources yield only very small quantities of water (Davis and Busch, 1965). Another investigation indicated conclusively that potable ground water at North Oscura Peak is not sufficiently plentiful to warrant attempting development of other than very small supplies in a few localities (Weir, 1965).

The limited amount of water and/or fuel that migrates downward through the soil would encounter dipping limestone layers adding an easterly component to the flow direction because unsaturated flow through the limestone is primarily along fractures and bedding planes. Where the groundwater ultimately enters the Precambrian basement rock below the sedimentary rock, the fracture-flow regime causes flow direction to be unpredictable locally. The elevation of the regional aquifer is below the ground surface in both the Tularosa and Jornada del Muerto Basins. Therefore, the depth to regional groundwater (if it exists) below the landfill site is in excess of 1,700 feet. Analysis of soil samples obtained from direct push borings (soil borings Atom-01-SB-01 through Atom-01-SB-03) at Atom-01 Site locations detected no DRO concentrations above reporting limits at the presumed point of release and only trace levels, no higher than 15 mg/kg in three borings made around the presumed point of release, were detected.

Analysis of soil samples at the Atom-02 potential release site detected DRO as high as 13,000 mg/kg in a sample taken at 4 ft bgs at the presumed point of release (soil boring Atom-02-SB-01). Researchers detected a concentration of 1,300 mg/kg in a sample taken at a depth of 7.5 ft bgs in this boring, but the

boring was not extended further due to limitations of the geoprobe. A concentration of 780 mg/kg of DRO was quantified in a diluted sample prepared from soil taken 3.5 ft bgs in a boring approximately 10 ft down slope (east-northeast) (soil boring Atom-02-SB-02) but was not detected at 7.5 ft bgs with a reporting limit of 11 mg/kg. In a boring made approximately 12 ft further down slope (soil boring Atom-02-SB-04), DRO was quantified at 6,100 mg/kg in a sample taken 3.5 ft bgs and was not detected above an 11 mg/kg reporting limit at 6.5 ft bgs.

PHOTOGRAPH 27. FORMER LOCATION OF AST, ATOM SITE;
Buildings in Background were demolished at some time prior to remediation.
Photograph taken looking south-west.

Extent of Contamination from the Preliminary Investigation

Atom Site has two former AST locations. Based on the preliminary investigation soil borings, only one of the AST locations (Atom-02) (SWMU 207; CCWS 32) was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. A surface soil sample (Atom01-SD-01DL) at the Atom-01 site during the preliminary investigation (prior to installation of soil borings) had a DRO concentration of 860 mg/kg. However, the excavation encompassed the location of the high surface sample concentration. Figure 12 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the original estimated horizontal extent of contamination based on the preliminary investigation. The furthest extent of contamination was not determined during the preliminary investigation. Further site characterization through soil sampling (with the exception of confirmation samples) was not completed. The determination of furthest extent of contamination and remediation was accomplished through excavation and soil removal (Section 3.6.2).

Actual excavation dimensions are shown superimposed over the original estimate on figure 12. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 13. Table 16 shows detected analytes from the preliminary investigation.

TABLE 16. PRELIMINARY INVESTIGATION DETECTED RESULTS ATOM SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
ATOM-01-SD-01	Atom 1	surface	5/28/2003	Flash Point (Setaflash)	200	>	degrees F	NE
ATOM-01-SD-01DL	Atom 1	surface	5/28/2003	Diesel Range Organics (C12-C24)	860	D	mg/Kg	520
ATOM-01-SD-01	Atom 1	surface	5/28/2003	Oil Range Organics (C24-C40)	570		mg/Kg	2,500
ATOM-01-SB-003-(3.5-4.0)	Atom 1 SB03	03.5-4.0	5/28/2003	Diesel Range Organics (C12-C24)	13		mg/Kg	520
ATOM-01-SB-003-(3.5-4.0)	Atom 1 SB03	03.5-4.0	5/28/2003	Oil Range Organics (C24-C40)	130		mg/Kg	2,500
ATOM-01-SB-004-(1.0-1.5)	Atom 1 SB04	01.0-1.5	5/28/2003	Diesel Range Organics (C12-C24)	15		mg/Kg	520
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	Diesel Range Organics (C12-C24)	13000	D	mg/Kg	520
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	2-Methylnaphthalene	22000	D	µg/Kg	NE
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	Acenaphthene	2200	D	µg/Kg	3,440,000
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	Fluorene	3500	D	µg/Kg	2,290,000
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	Naphthalene	4500	D	µg/Kg	45,000
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	Phenanthrene	7100	D	µg/Kg	1,830,000
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	2-Methylnaphthalene	13000	E	µg/Kg	NE
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Oil Range Organics (C24-C40)	370		mg/Kg	2,500
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Acenaphthene	1600		µg/Kg	3,440,000
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Fluorene	2600		µg/Kg	2,290,000
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Naphthalene	4100		µg/Kg	45,000
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Phenanthrene	5900		µg/Kg	1,830,000
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Pyrene	240		µg/Kg	1,720,000
ATOM-02-SB-001-(7.5-8.0)DL	Atom 2 SB01	07.5-8.0	5/28/2003	Diesel Range Organics (C12-C24)	1300	D	mg/Kg	520
ATOM-02-SB-001-(7.5-8.0)	Atom 2 SB01	07.5-8.0	5/28/2003	Anthracene	34	J	µg/Kg	17,200,000
ATOM-02-SB-001-(7.5-8.0)	Atom 2 SB01	07.5-8.0	5/28/2003	2-Methylnaphthalene	47		µg/Kg	NE

TABLE 16. PRELIMINARY INVESTIGATION DETECTED RESULTS ATOM SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
ATOM-02-SB-001-(7.5-8.0)	Atom 2 SB01	07.5-8.0	5/28/2003	Acenaphthene	49		µg/Kg	3,440,000
ATOM-02-SB-001-(7.5-8.0)	Atom 2 SB01	07.5-8.0	5/28/2003	Fluorene	54		µg/Kg	2,290,000
ATOM-02-SB-001-(7.5-8.0)	Atom 2 SB01	07.5-8.0	5/28/2003	Phenanthrene	54		µg/Kg	1,830,000
ATOM-02-SB-002-(3.5-4.0)DL	Atom 2 SB02	03.5-4.0	5/28/2003	Diesel Range Organics (C12-C24)	780	D	mg/Kg	520
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Fluoranthene	27	J	µg/Kg	2,290,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Ethyl Benzene	140	P	µg/Kg	69,600
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	o-Xylene	51	P	µg/Kg	9,550,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	2-Methylnaphthalene	2900		µg/Kg	NE
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Acenaphthene	260		µg/Kg	3,440,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Fluorene	400		µg/Kg	2,290,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	m,p-Xylene	240		µg/Kg	1,090,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Naphthalene	280		µg/Kg	45,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Phenanthrene	1200		µg/Kg	1,830,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Pyrene	98		µg/Kg	1,720,000
ATOM-02-SB-004-(3.5-4.0)DL	Atom 2 SB04	03.5-4.0	5/28/2003	Diesel Range Organics (C12-C24)	6100	D	mg/Kg	520
ATOM-02-SB-104-(3.5-4.0)DL	Atom 2 SB04	03.5-4.0	5/28/2003	Diesel Range Organics (C12-C24)	5900	D	mg/Kg	520
ATOM-02-SB-004-(3.5-4.0)	Atom 2 SB04	03.5-4.0	5/28/2003	Oil Range Organics (C24-C40)	68		mg/Kg	2,500
ATOM-02-SB-104-(3.5-4.0)	Atom 2 SB04	03.5-4.0	5/28/2003	Oil Range Organics (C24-C40)	51		mg/Kg	2,500

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

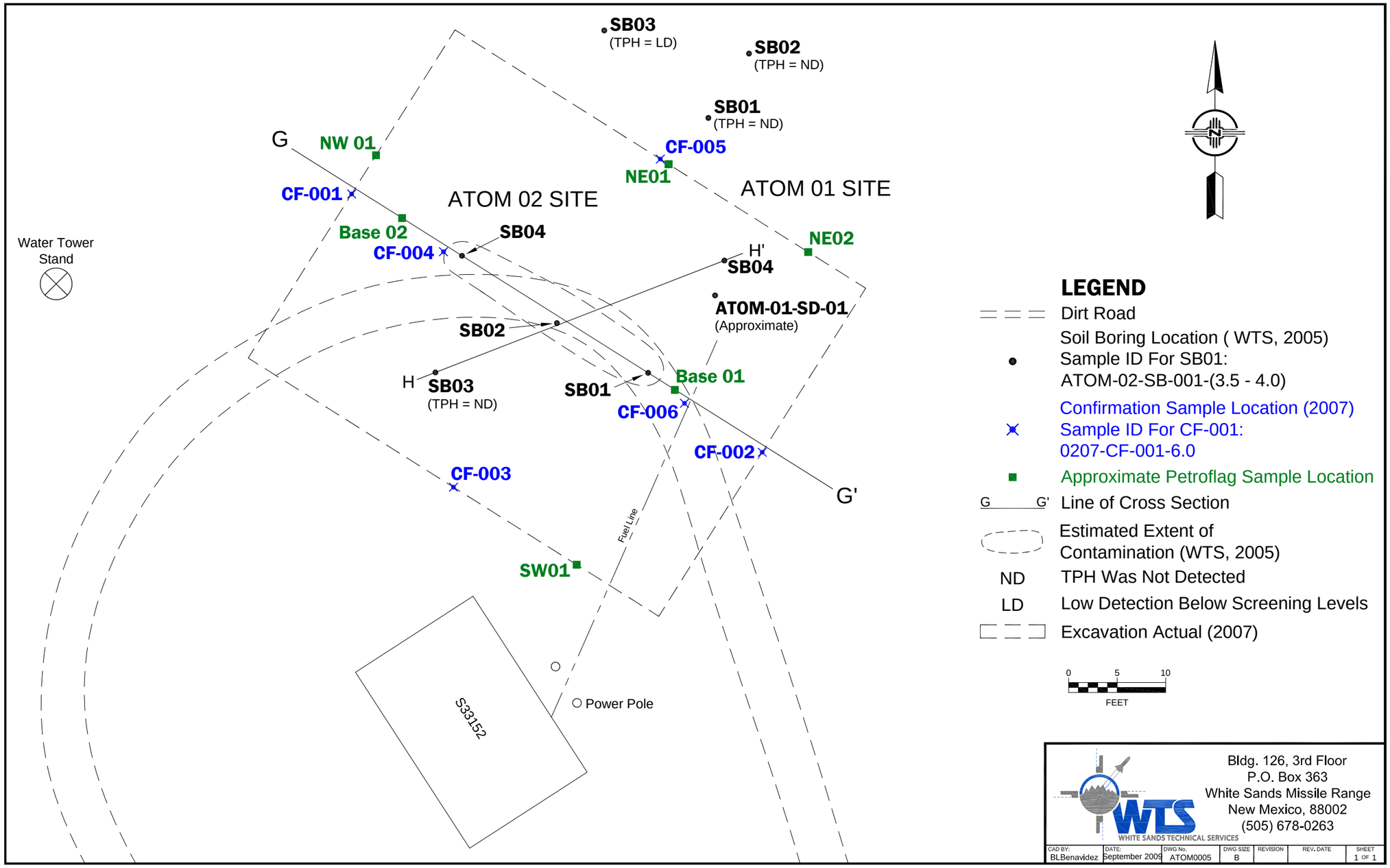

FIGURE 12. PLAN VIEW MAP OF THE ATOM SITE

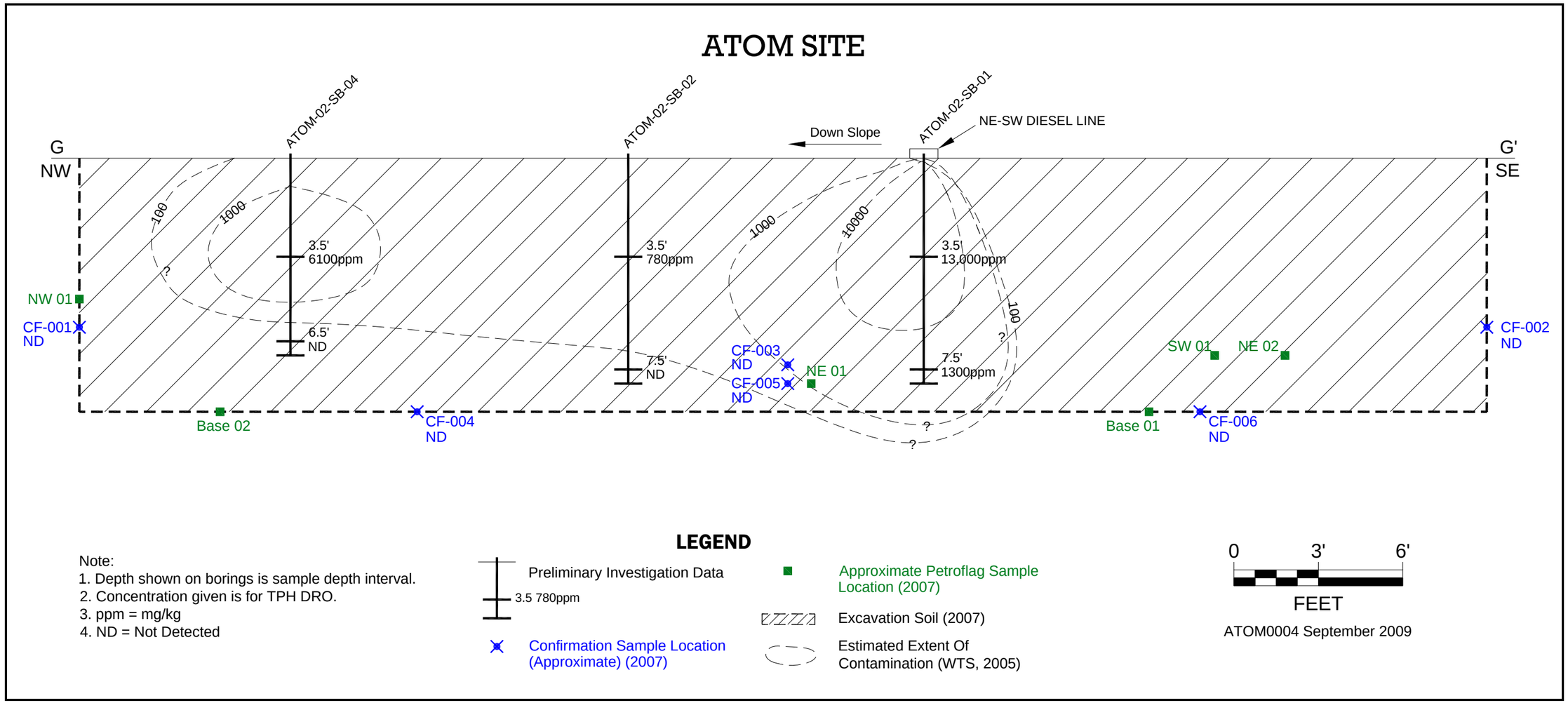

FIGURE 13. APPROXIMATE EXTENT OF EXCAVATIONS AT ATOM SITE.
The final excavation dimensions were approximately 40 ft X 50 ft X 9 ft. Dashed line in figure denotes estimated extent of contamination from the work plan.

3.6.2 Results of Corrective Action

WSMR completed remediation at Atom Site from 31 July 2007 – 13 August 2007. Researchers noted that buildings and vegetation present on site during the preliminary investigation had been removed. Accurate location of the site was obtained using GPS coordinates collected during the preliminary investigation. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation were delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 13.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. Excavation at the site was completed using an excavator (trackhoe). Additionally, personnel used a Petroflag ® Test Kit to screen samples at the edges and base of the excavation. The excavation at the former AST at Atom was ultimately extended to a depth of approximately 9 ft bgs. Limestone bedrock was encountered during excavation between 8 and 9 ft bgs (photograph 28). The sides of the excavation measured approximately 40 ft X 50 ft. Six test kits were run using the Petroflag ® system (table 17). Results ranged from 0 mg/kg to 228 mg/kg full range hydrocarbons, which was well below the 520 mg/kg TPH Screening Guideline. Following results of the Petroflag® analysis, excavation at the site was halted. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2. Photographs 28-31 show the Atom excavation.

TABLE 17. PETROFLAG® FIELD SCREENING RESULTS FOR ATOM SITE.

Field Sample Location (ID)	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Base sample southeast side at 8 feet (Base01)	203	No further excavation down
Northwest side wall at 5 feet (NW01)	58	No further excavation to northwest
Northeast side wall at 8 feet bgs (NE01)	20	No further excavation to northeast
Southwest side wall at 7feet bgs (SW01)	0	No further excavation to southwest
Base sample northwest side at 8 feet (Base02)	228	No further excavation down
Northeast side wall at 7 feet bgs (NE02)	0	No further excavation to northeast

PHOTOGRAPH 28. LIMESTONE BEDROCK (REGOLITH) ENCOUNTERED DURING EXCAVATION.
Photograph taken looking south-west.

PHOTOGRAPH 29. EXCAVATION AT THE ATOM SITE.
Photograph taken looking north-east.

PHOTOGRAPH 30.
COMPLETED EXCAVATION AT ATOM SITE AND SOIL STOCKPILE.
Photograph taken looking south-east.

PHOTOGRAPH 31.
ATOM SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking north-east.

3.6.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from the site, it was reported that crews removed 600 cubic yards of contaminated soil from Atom Site. WSMR originally estimated that 110 cubic yards of contaminated soil would require removal. This material was taken to DP-1051for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 860 mg/kg and was non-ignitable.

3.6.4 Verification of Remediation

To verify that clean-up objectives were met, Trace Analysis analyzed confirmation soil samples prior to excavation backfill. As stipulated in the work plan, personnel collected samples from the bottom of the excavation, from each sidewall, and one duplicate sample per excavation. Personnel collected samples from sidewalls preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to collect the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 18. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. Metals are not expected to be associated with diesel fuel, however, WSMR analyzed for RCRA metals to determine their concentrations at the site. Personnel did not detect TPH DRO in the confirmation samples at a reporting limit of 50 mg/kg. No VOCs or SVOCs were detected in the confirmation samples from the Atom excavation. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Contaminated soil was excavated and followed out to its extent based on field observations by site personnel. Confirmation sample locations were collected based on those field observations at the site during excavation activities. WSMR asserts that samples collected represent potential contamination at the site. Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at concentrations above regulatory concern.

TABLE 18. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS ATOM SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0207-CF-001-6.0 Northest side wall sample at 6 ft	<50	<0.250	<2	103	2.08	27.6	<0.040	<1.00	<2.00
0207-CF-002-6.0 Southeast side wall sample at 6 ft	<50	<0.250	<2	38.6	0.865	20.7	<0.040	<1.00	<2.00
0207-CF-003-7.0 Southwest side wall sample at 7 ft	<50	<0.250	<2	38.9	2.13	28.1	<0.040	<1.00	<2.00
0207-CF-004-8.0 Base sample near northwest wall at 8 ft	<50	<0.250	3.53	37.7	1.40	12.6	0.0762	<1.00	<2.00
0207-CF-005-8.0 Northeast side wall sample at 8 ft	<50	<0.250	<2	36.8	0.790	15.5	0.0752	<1.00	<2.00
0207-CF-006-9.0 Base sample near northeast wall at 9 ft	<50	<0.250	<2	30.0	0.620	17.2	<0.040	<1.00	<2.00
0207-CF-106-9.0 Duplicate of -006	<50	<0.250	<2	31.8	0.657	17.9	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

3.7 SE-50 (SWMU 208)

3.7.1 Preliminary Investigation (BAE Systems, 2003)

The Range-wide AST survey identified a surface stain beneath the former site of an AST at SE-50 (SWMU 208; CCWS 34). Personnel identified a diesel-saturated zone (photograph 32) beneath the surface in the preliminary investigation (photograph 33), and a soil sample taken at 1.5 ft bgs during that investigation contained 25,000 mg/kg DRO, exceeding the 520 mg/kg NMED TPH residential screening guideline for diesel fuel. Soils at the site appear to be fine to medium-grained sands down to approximately 7 ft bgs. Below this, alternating layers of clay and sand exist down to 16 ft bgs. Approximate depth to ground water at this site is unknown.

PHOTOGRAPH 32. DIESEL-SATURATION IN SHALLOW SUBSURFACE AT SE-50.

PHOTOGRAPH 33. FORMER LOCATION OF AST, SE-50 SITE.
Photograph taken looking north-west.

Only two soil borings were made at this site due to difficulties penetrating the sand with the direct push probe. Laboratory analysis of samples taken from the boring (soil boring SE-50-SB-01) made at the presumed point of release detected DRO at concentrations of 13,000 mg/kg and 26,000 mg/kg at 1 ft bgs and 13 ft bgs, respectively. No TPH was detected in a sample taken at 15.5 ft bgs in the same boring. No TPH was detected above reporting limits of 12 mg/kg for DRO in analysis of samples taken from the second boring (soil boring SE-50-SB-02), approximately 20 ft west of the first boring.

Extent of Contamination from the Preliminary Investigation

SE-50 site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 14 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. It was originally estimated that approximately 60 cubic yards of contaminated soil underlies the SE-50 site. Actual excavation dimensions are shown superimposed over the original estimate on figure 14. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 15. Table 19 lists detected results from the preliminary investigation.

3.7.2 Results of Corrective Action

WSMR completed remediation at SE-50 from 14-23 December 2005. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation were delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, crews extended excavation in the appropriate direction until no physical evidence remained of further contamination in that direction. Petroflag ® analysis was not run on samples from this site. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 15.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and they extended excavation accordingly. The excavation at the former AST at SE-50 was ultimately extended to a depth of approximately 15 ft bgs. The sides of the excavation measured 20 ft X 15 ft. Photographs 34 and 35 show the SE-50 excavation. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2 (photographs 36-37).

TABLE 19. PRELIMINARY INVESTIGATION DETECTED RESULTS SE-50 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
SE50-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	NE
SE50-01-SD-01DL	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	25000	D	mg/Kg	520
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Diesel Range Organics (C12-C24)	13000	D	mg/Kg	520
SE50-01-SB-101 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Diesel Range Organics (C12-C24)	8800	D	mg/Kg	520
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Acenaphthene	1300	D	µg/Kg	3,440,000
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Fluorene	910	D	µg/Kg	2,290,000
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Phenanthrene	1400	D	µg/Kg	1,830,000
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Pyrene	740	D	µg/Kg	1,720,000
SE50-01-SB-101 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Acenaphthene	1700	D	µg/Kg	3,440,000
SE50-01-SB-101 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Fluorene	790	D	µg/Kg	2,290,000
SE50-01-SB-101 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Phenanthrene	920	D	µg/Kg	1,830,000
SE50-01-SB-101 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Pyrene	400	D	µg/Kg	1,720,000
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Benzo[a]anthracene	33	J	µg/Kg	4,810
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Chrysene	100	JD	µg/Kg	48,100
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Oil Range Organics (C24-C40)	160		mg/Kg	2,500
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Oil Range Organics (C24-C40)	75		mg/Kg	2,500
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Acenaphthene	1100		µg/Kg	3,440,000
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Chrysene	85		µg/Kg	48,100
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Fluorene	390		µg/Kg	2,290,000
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Phenanthrene	1100		µg/Kg	1,830,000
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Pyrene	790		µg/Kg	1,720,000
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Acenaphthene	900		µg/Kg	3,440,000
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Chrysene	59		µg/Kg	48,100
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Fluorene	400		µg/Kg	2,290,000
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Phenanthrene	580		µg/Kg	1,830,000

TABLE 19. PRELIMINARY INVESTIGATION DETECTED RESULTS SE-50 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Pyrene	380		µg/Kg	1,720,000
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Diesel Range Organics (C12-C24)	26000	D	mg/Kg	520
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	2-Methylnaphthalene	36000	D	µg/Kg	NE
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Acenaphthene	2900	D	µg/Kg	3,440,000
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Fluorene	4500	D	µg/Kg	2,290,000
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Naphthalene	6200	D	µg/Kg	45,000
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Phenanthrene	12000	D	µg/Kg	1,830,000
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Pyrene	950	D	µg/Kg	1,720,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	2-Methylnaphthalene	29000	E	µg/Kg	NE
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Chrysene	130	J	µg/Kg	48,100
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Oil Range Organics (C24-C40)	170		mg/Kg	2,500
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Acenaphthene	1900		µg/Kg	3,440,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Ethyl Benzene	1400		µg/Kg	69,600
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Fluorene	3000		µg/Kg	2,290,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	m,p-Xylene	4000		µg/Kg	1,090,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Naphthalene	5500		µg/Kg	45,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	o-Xylene	2100		µg/Kg	9,550,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Phenanthrene	10000		µg/Kg	1,830,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Pyrene	1000		µg/Kg	1,720,000
SE50-01-SB-001 (15.5-16.0)	SB01	15.5-16.0	5/22/2003	2-Methylnaphthalene	32	J	µg/Kg	NE
SE50-01-SB-001 (15.5-16.0)	SB01	15.5-16.0	5/22/2003	Phenanthrene	28	J	µg/Kg	1,830,000

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

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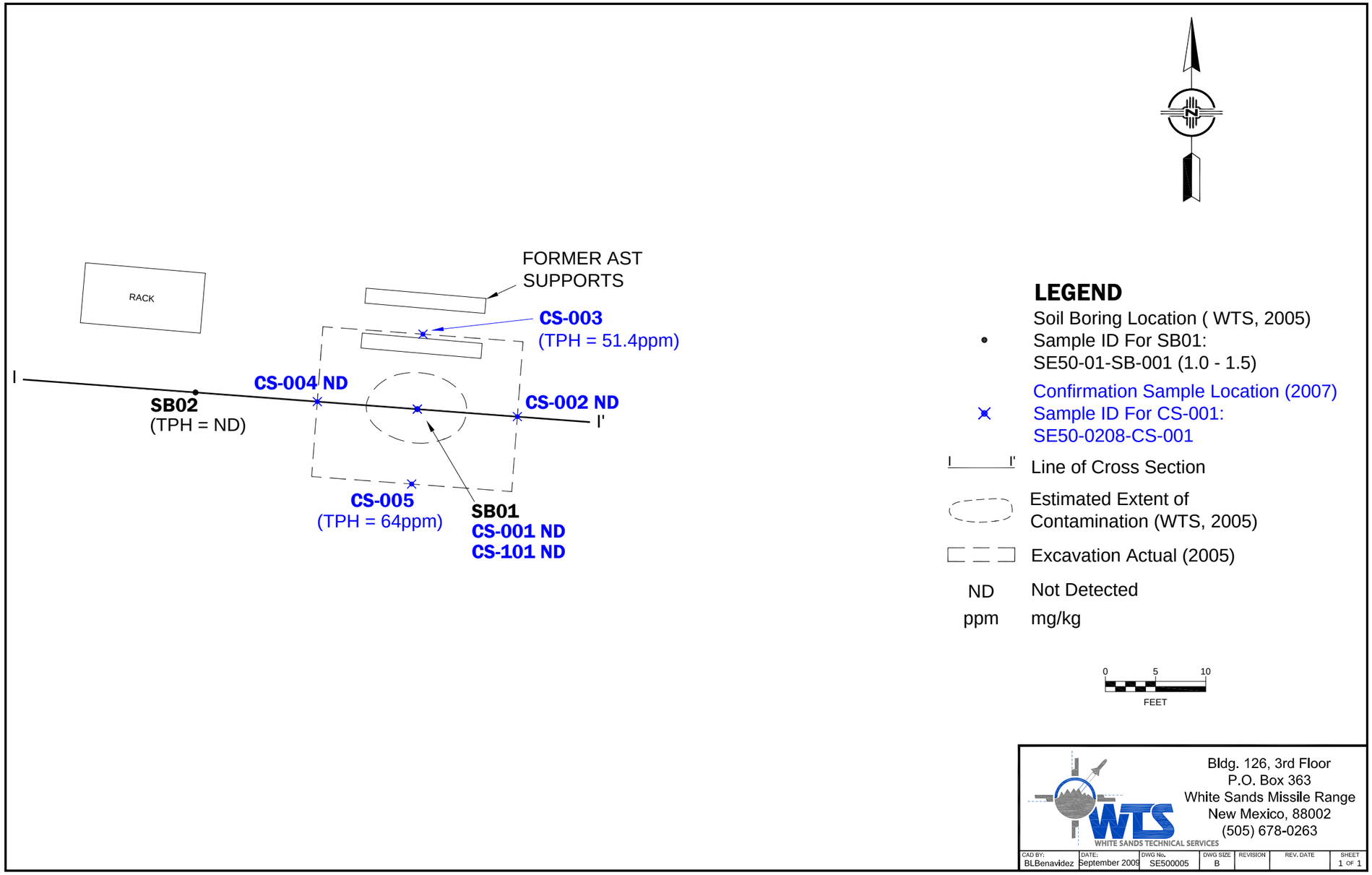

FIGURE 14. PLAN VIEW MAP OF THE SE-50 SITE.

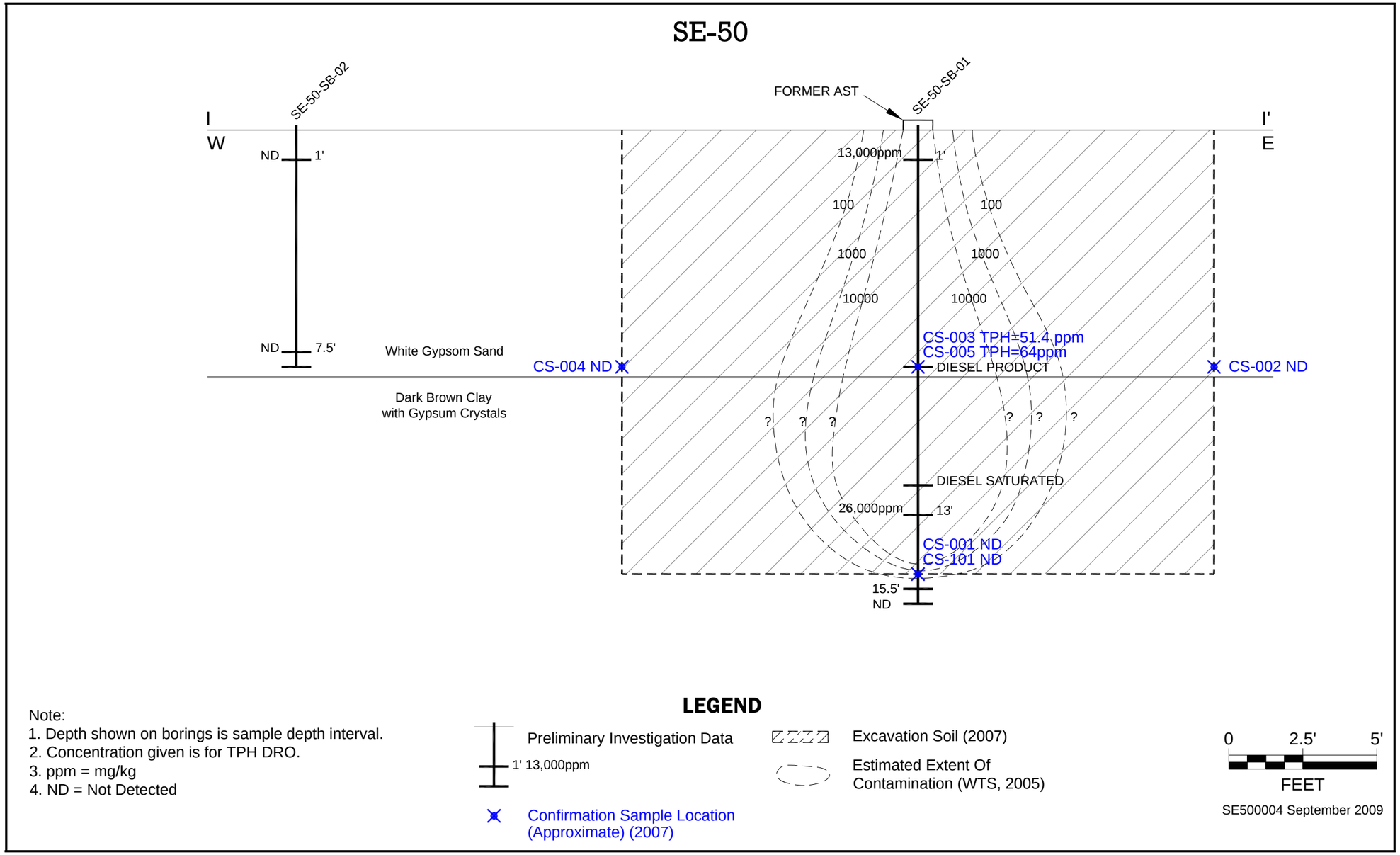

FIGURE 15. APPROXIMATE EXTENT OF EXCAVATIONS AT SE-50 SITE.
The final excavation dimensions were approximately 20 ft X 15 ft X 15 ft.
Dashed line in figure denotes estimated extent of contamination from the work plan.

PHOTOGRAPH 34.
BEGINNING EXCAVATION AT SE-50 SITE.
Photograph taken looking south.

PHOTOGRAPH 35.
COMPLETED EXCAVATION AT SE-50 SITE.
Photograph taken looking north-west.

PHOTOGRAPH 36.
SOIL STAGING LOCATION AT SE-50.
Photograph taken looking north-east.

PHOTOGRAPH 37.
SE-50 SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking west.

3.7.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from the SE-50 site, it is reported that crews removed 160 cubic yards of contaminated soil. This material was taken to DP-1051for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 2,050 mg/kg and was non-ignitable.

3.7.4 Verification of Remediation

To verify that clean-up objectives were met, site personnel collected confirmation soil samples and analyzed by analytical laboratory (Trace Analysis of Lubbock, Texas) prior to excavation backfill. As stipulated in the work plan, samples were collected from the bottom of the excavation, one from each sidewall, and one duplicate sample per excavation. Samples taken from sidewalls were taken preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Personnel collected confirmation samples directly from the backhoe bucket after directing the operator where to take the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 20. Organic detections are shown in table 21. No relevant data quality exceptions were noted that could mask VOC or SVOC detections. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. TPH DRO was detected in two confirmation samples at a highest concentration of 64 mg/kg. TPH was not detected above the laboratory reporting limit of 50 mg/kg in any of the remaining samples. No VOCs or SVOCs were detected in any confirmation samples from the SE-50 excavation with the exception of di-n-octylphthalate. Di-n-octylphthalate was detected at 0.703 mg/kg in the confirmation sample collected from the base of the excavation. The Environmental Protection Agency Region 6 Human Health Screening Level (residential) for di-n-octylphthalate is 2,400 mg/kg. A NMED Soil Screening Level was not listed in the November 2005 Soil Screening Level Guidelines. Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site.

TABLE 20. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS SE-50 SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
SE50-0208-CS-001 Base sample	<50.0	<0.050	<2.00	109	1.46	6.19	<0.040	6.60	<1.00
SE50-0208-CS-101 Duplicate of Base sample	<50.0	<0.050	<2.00	78.2	1.29	5.40	<0.040	3.97	<1.00
SE50-0208-CS-002 East side wall sample at 8 ft	<50.0	<0.050	<2.00	77.0	1.89	9.15	<0.040	3.97	<1.00
SE50-0208-CS-003 North side wall sample at 8 ft	51.4	<0.050	<2.00	21.4	0.327	1.27	<0.040	1.16	<1.00
SE50-0208-CS-004 West side wall sample at 8 ft	<50.0	<0.050	<2.00	50.2	0.637	3.01	<0.040	2.97	<1.00
SE50-0208-CS-005 South side wall sample at 8 ft	64.0	<0.050	<2.00	57.9	0.910	4.48	<0.040	2.94	<1.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

TABLE 21. LABORATORY ORGANIC DETECTIONS CONFIRMATION SAMPLES SE-50 SITE.

Sample ID	Test	Method	Units	Parameter	Result	SSL
SE50-0208-CS-001	Semivolatiles	S 8270C	mg/Kg	Di-n-octylphthalate	0.703	2,400

3.8 EC-50 Site (SWMU 209)

3.8.1 Preliminary Investigation (BAE Systems, 2003)

The Range-wide AST survey identified surface stains beneath an inactive AST at the EC-50 site (SWMU 209; CCWS 35) (photograph 38). Based on WSMR's examination of cores from the direct push probe, the upper 3 ft of soil appears to consist of fine to medium-grained sands with some clay and silt, underlain by a layer of mixed fine-grained sand, silt and clay with possible gypsum or caliche down to approximately 7 ft bgs to 8 ft bgs. Beneath this layer is a thin layer of fine to medium-grained sand, approximately 0.5 to 1 foot thick, with alternating layers of mixed sandy-clays and clayey-sands beneath down to a depth of 15 ft bgs.

PHOTOGRAPH 38. EC-50 SITE.
Photograph taken looking north-west

WSMR initially completed 5 soil borings at this site using the direct push geoprobe, with an additional 3 borings being made in a follow-up sampling event one week later. Concentrations of DRO were quantified at 4,700 mg/kg and 2,000 mg/kg in soil samples taken at depths of 1 ft bgs and 8 ft bgs, respectively, in the first boring (soil boring EC-50-SB-01), presumed to be the point of origin of the release from the AST. No DRO was detected above the reporting limit of 13 mg/kg in a sample taken at 12 ft bgs in this boring. Concentrations of DRO very similar to those detected in the first boring were detected in borings made approximately 10 ft and 15 ft south of the initial boring (soil borings EC-50-SB-02 and EC-50-SB-04), with detections occurring as deep as 14.5 ft bgs, the maximum depth sampled. Detections of DRO were also made in a boring (soil boring EC-50-SB-05) made approximately 35 ft south of the initial boring at all depths, although the concentrations were not quantified any higher than at 1,200 mg/kg, reported for a sample prepared from soil taken at 13.5 ft bgs. No DRO was detected above the reporting limit of 12 mg/kg in a soil boring (soil boring EC-50-SB-03) made approximately 10 ft north-northeast of the initial boring.

<u>Extent of Contamination from the Preliminary Investigation</u>

The EC-50 site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 16 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the original estimated horizontal extent of contamination based on the preliminary investigation. It was originally estimated that approximately 280 cubic yards of contaminated soil was present beneath the EC-50 site. Actual excavation dimensions are shown superimposed over the original estimate on figure 16. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 17. Detected analytes from the preliminary investigation are included in table 22.

TABLE 22. PRELIMINARY INVESTIGATION DETECTED RESULTS EC-50 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
EC50-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	NE
EC50-01-SD-01DL	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	1500	D	mg/Kg	520
EC50-01-SD-01	NA	surface	5/7/2003	Oil Range Organics (C24-C40)	58		mg/Kg	2,500
EC50-01-SB-001-(1.0-1.5)DL	SB01	01.0-1.5	5/23/2003	Diesel Range Organics (C12-C24)	4700	D	mg/Kg	520
EC50-01-SB-001-(1.0-1.5)DL	SB01	01.0-1.5	5/23/2003	Chrysene	170	D	µg/Kg	48,100
EC50-01-SB-001-(1.0-1.5)DL	SB01	01.0-1.5	5/23/2003	Pyrene	950	D	µg/Kg	1,720,000
EC50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Chrysene	130		µg/Kg	48,100
EC50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Pyrene	810		µg/Kg	1,720,000
EC50-01-SB-001-(8.0-8.5)DL	SB01	08.0-8.5	5/23/2003	Diesel Range Organics (C12-C24)	2000	D	mg/Kg	520
EC50-01-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/23/2003	Pyrene	140	J	µg/Kg	1,720,000
EC50-01-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/23/2003	Oil Range Organics (C24-C40)	52		mg/Kg	2,500
EC50-01-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/23/2003	2-Methylnaphthalene	1900		µg/Kg	NE
EC50-01-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/23/2003	Phenanthrene	2200		µg/Kg	1,830,000
EC50-01-SB-002(12.-12.5)DL	SB02	12.0-12.5	5/23/2003	Diesel Range Organics (C12-C24)	2300	D	mg/Kg	520
EC50-01-SB-002-(14.5-15.0)	SB02	14.5-15.0	5/23/2003	Diesel Range Organics (C12-C24)	18		mg/Kg	520
EC50-01-SB-003-(14.5-15.0)	SB03	14.5-15.0	5/23/2003	Oil Range Organics (C24-C40)	70		mg/Kg	2,500
EC50-01-SB-004-(7.5-8.0)DL	SB04	07.5-8.0	5/23/2003	Diesel Range Organics (C12-C24)	3200	D	mg/Kg	520
EC50-01-SB-004-(7.5-8.0)	SB04	07.5-8.0	5/23/2003	Oil Range Organics (C24-C40)	65		mg/Kg	2,500
EC50-01-SB-004(10.-10.5)DL	SB04	10.0-10.5	5/23/2003	Diesel Range Organics (C12-C24)	1900	D	mg/Kg	520
EC50-01-SB-004(14.5-15.)DL	SB04	14.5-15.0	5/23/2003	Diesel Range Organics (C12-C24)	3700	D	mg/Kg	520

TABLE 22. PRELIMINARY INVESTIGATION DETECTED RESULTS EC-50 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
EC50-01-SB-004-(14.5-15.0)	SB04	14.5-15.0	5/23/2003	Oil Range Organics (C24-C40)	83		mg/Kg	2,500
EC50-01-SB-005-(7.5-8.0)	SB05	07.5-8.0	5/23/2003	Diesel Range Organics (C12-C24)	220		mg/Kg	520
EC50-01-SB-005-(13.5-14)DL	SB05	13.5-14.0	5/23/2003	Diesel Range Organics (C12-C24)	1200	D	mg/Kg	520
EC50-01-SB-005-(14.5-15)	SB05	14.5-15.0	5/23/2003	Diesel Range Organics (C12-C24)	160		mg/Kg	520
EC50-01-SB-006 (3.5-4.0)DL	SB06	03.5-4.0	5/30/2003	Diesel Range Organics (C12-C24)	380	D	mg/Kg	520
EC50-01-SB-006 (7.5-8.0)	SB06	07.5-8.0	5/30/2003	Diesel Range Organics (C12-C24)	280		mg/Kg	520
EC50-01-SB-006 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	Diesel Range Organics (C12-C24)	810	D	mg/Kg	520
EC50-01-SB-106 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	Diesel Range Organics (C12-C24)	850	D	mg/Kg	520
EC50-01-SB-006 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	2-Methylnaphthalene	430	D	µg/Kg	NE
EC50-01-SB-006 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	Phenanthrene	580	D	µg/Kg	1,830,000
EC50-01-SB-106 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	2-Methylnaphthalene	480	D	µg/Kg	NE
EC50-01-SB-106 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	Phenanthrene	640	D	µg/Kg	1,830,000
EC50-01-SB-006 (14.5-15.0)	SB06	14.5-15.0	5/30/2003	2-Methylnaphthalene	420		µg/Kg	NE
EC50-01-SB-006 (14.5-15.0)	SB06	14.5-15.0	5/30/2003	Phenanthrene	560		µg/Kg	1,830,000
EC50-01-SB-106 (14.5-15.0)	SB06	14.5-15.0	5/30/2003	2-Methylnaphthalene	450		µg/Kg	NE
EC50-01-SB-106 (14.5-15.0)	SB06	14.5-15.0	5/30/2003	Phenanthrene	590		µg/Kg	1,830,000

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

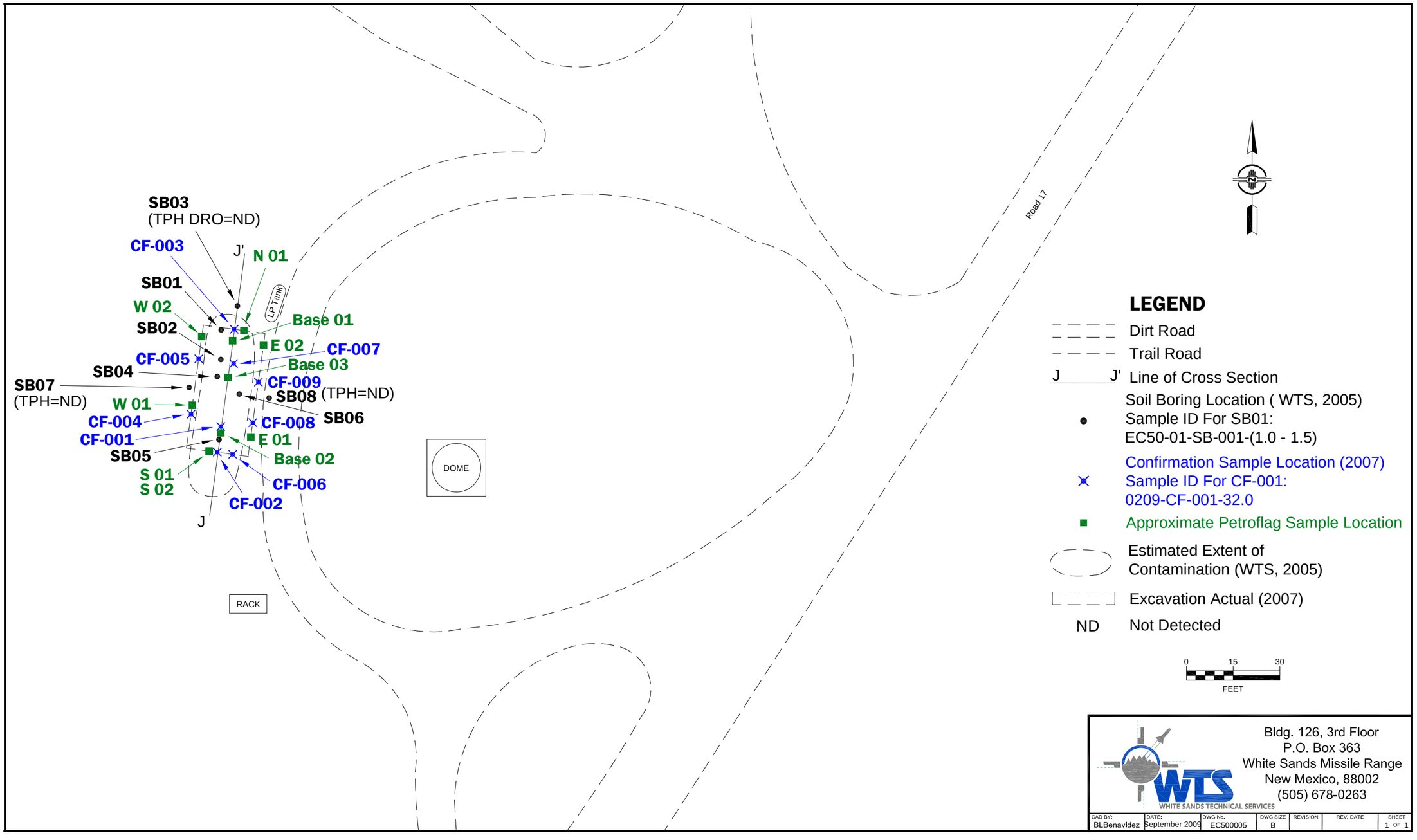

FIGURE 16. PLAN VIEW MAP OF THE EC-50 SITE.

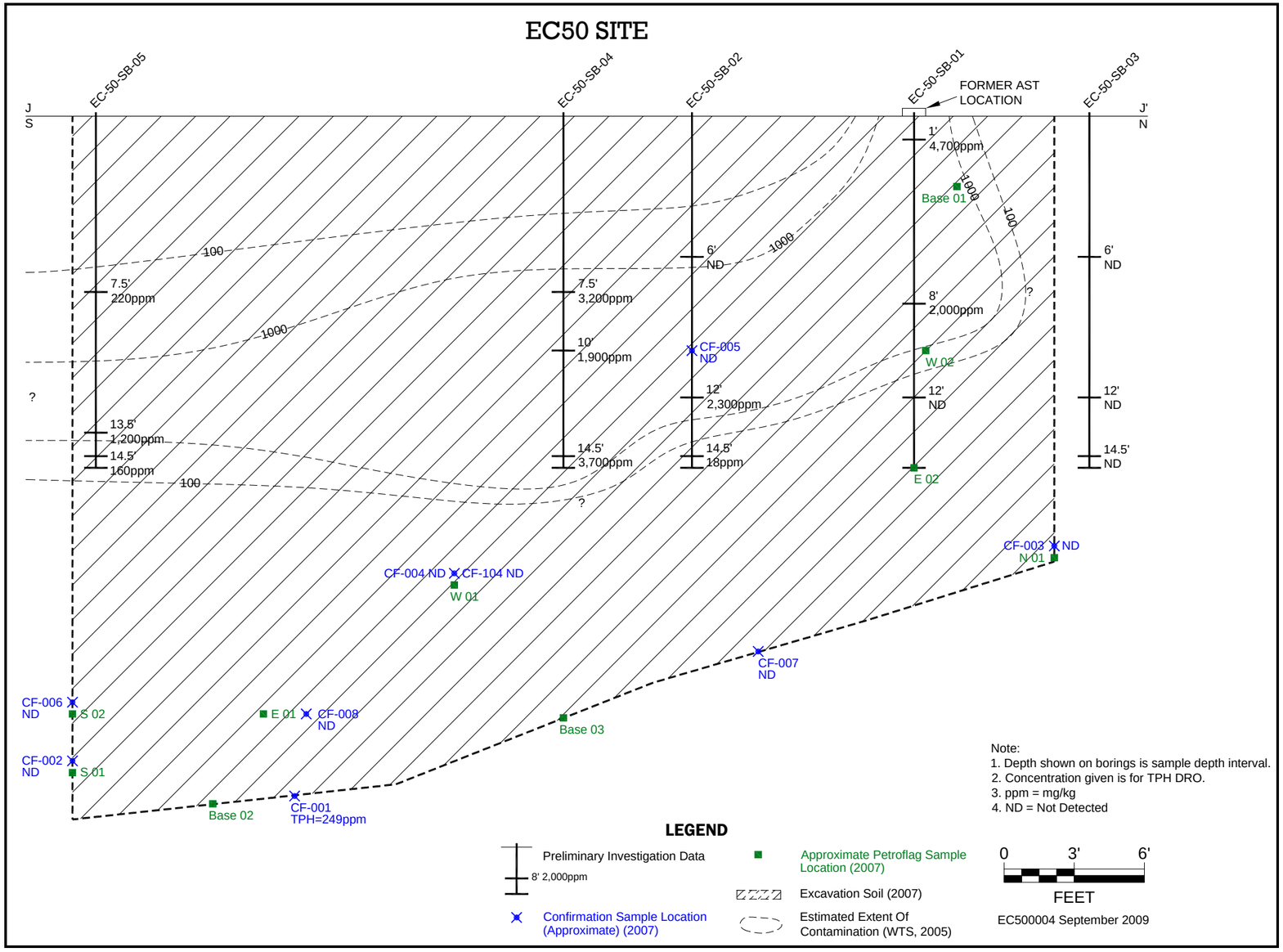

FIGURE 17. APPROXIMATE EXTENT OF EXCAVATIONS AT EC-50 SITE.
The final excavation dimensions were approximately 40 ft X 20 ft X 15-32 ft. Base of excavation slopes from 15 ft bgs at north end to 32 ft bgs at south end. Dashed line in figure denotes estimated extent of contamination from the work plan.

3.8.2 Results of Corrective Action

WSMR completed remediation at EC-50 from 26 June 2007 – 3 July 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation was delineated based on interpolation of results as outlined in the work plan. When site personnel determined contamination extending laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. Clean overburden was removed and set aside to use for backfill. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 17.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation was extended accordingly. Excavation at the site began using a backhoe. When it became obvious to site personnel that the excavation was extending beyond the original estimate, an excavator (trackhoe) was brought on site to complete excavation. Additionally, a Petroflag ® Test Kit was used to screen samples at the edges and base of the excavation. The excavation at the former AST at EC-50 was ultimately extended to a depth of approximately 32 ft bgs. The sides of the excavation measured approximately 40 ft X 20 ft. Ten test kits were run using the Petroflag ® system (table 23). Results ranged from 16 mg/kg to 2,526 mg/kg full range hydrocarbons, which was well below the 520 mg/kg TPH Screening Guideline. Following results of the Petroflag analysis, excavation at the site was halted. Photographs 39-42 show the EC-50 excavation. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2.

TABLE 23. PETROFLAG® FIELD SCREENING RESULTS FOR EC-50 SITE.

Field Sample Location (ID)	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Base sample north side at 3 feet (Base01)	2,526	Required further excavation
Base sample near to south wall at 32 feet (Base02)	95	No further excavation down
South side wall at 30 feet (S01)	82	No further excavation to south
North side wall at 20 feet (N01)	68	No further excavation to north
West side wall to south at 20 feet (W01)	112	No further excavation to west
West side wall to north at 10 feet (W02)	121	No further excavation west
South side wall at 25 feet (S02)	116	No further excavation to south
Base sample at 25 feet (Base03)	139	No further excavation down
East side wall to south at 25 feet (E01)	16	No further excavation to east
East side wall to north at 15 feet (E02)	78	No further excavation to east

PHOTOGRAPH 39. BEGINNING EXCAVATION AT THE EC-50 SITE.
Photograph taken looking north.

PHOTOGRAPH 40. COMPLETED EXCAVATION AT EC-50 SITE.
Photograph taken looking south-east.

PHOTOGRAPH 41. SOIL STAGING LOCATION AT EC-50.
Photograph taken looking south-west.

PHOTOGRAPH 42. EC-50 SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking south.

3.8.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from each site, it is reported that 880 cubic yards (above the estimate from the preliminary investigation of 280 cubic yards) of contaminated soil was removed from EC-50. This material was taken to DP-1051for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 1,500 mg/kg and was non-ignitable.

It is noted that on 2 July 2007, during the remediation of the EC-50 site, one load of diesel impacted soil (20 cubic yards) was unintentionally dumped near mile marker 24 on Highway 54 in New Mexico. This was the result of a tire blowout on the dump truck. The excavation subcontractor, Rhino Environmental Services, responded to the spill on 2 July 2007 and removed the impacted soil from the site for disposal at its land farming facility. Confirmation samples were collected from the site. All impacted areas along the highway having TPH concentrations greater than the background (> 50 ppm) were excavated on 30 July 2007. Additional confirmation samples were collected which indicate the impacted soils were removed from the area. Results of this incident are included in the summary report included in appendix A.

3.8.4 Verification of Remediation

To verify that clean-up objectives were met, WSMR collected confirmation soil samples and analyzed by Trace Analysis prior to excavation backfill. As stipulated in the work plan, site personnel collected samples from the bottom of the excavation, from each sidewall, and one duplicate sample per excavation. Samples taken from the excavation floors were collected as closely to the lateral centers of the diesel spills as possible. Samples taken from sidewalls were taken preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. The confirmation sample locations do not reflect contamination shown during the preliminary investigation. The preliminary investigation was only able to complete borings to a total depth of 14.5 feet due to push probe refusal at the site. During excavation, additional contamination was discovered and removed at a depth greater than 14.5 feet. The field crew made a determination to collect confirmation samples at the greater depths based on determination of contamination using the physical methods (visual and olfactory) and results of Petroflag ® analyses.

Due to the size of the excavation, site personnel collected additional samples than planned from the base and sidewalls of the excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to excavate the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 24. Detected organics are listed in table 25. No relevant data quality exceptions were noted that could mask VOC or SVOC detections. Additionally, WSMR collected an equipment blank using Type II water poured over the sample bowls following decontamination and analyzed. No contaminants of concern were detected that would indicate the sampling equipment would contaminate subsequent samples. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. Metals are not expected to be associated with diesel fuel, however, WSMR analyzed for RCRA metals to determine their concentrations at the site. TPH DRO was detected in one confirmation sample at a concentration of 249 mg/kg, below the TPH Screening Guideline of 520 mg/kg. TPH DRO was not detected at a reporting limit of 50 mg/kg in the remaining confirmation samples. No VOCs or SVOCs were detected in any confirmation samples from the EC-50 excavation with the exception of bis(2-ethylhexyl)phthalate. Bis(2-ethylhexyl)phthalate was detected at a highest concentration of 12.3 mg/kg in one confirmation sample. This detection is likely a laboratory artifact and not the result of contamination from the site. The NMED SSL for bis(2-ethylhexyl)phthalate (June 2006) is 347 mg/kg.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site.

TABLE 24. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS EC-50 SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0209-CF-001-32.0 base sample near south wall at 32 ft	249	<0.250	<2	11.2	<0.200	2.02	<0.040	<1.00	<2.00
0209-CF-002-30.0 South side wall sample at 30 ft	<50	<0.250	<2	49.1	<0.200	2.71	<0.040	<1.00	<2.00
0209-CF-003-20.0 North side wall sample at 20 ft	<50	<0.250	<2	175	0.711	8.72	<0.040	<1.00	<2.00
0209-CF-004-20.0 West side sample near south at 20 ft	<50	<0.250	<2	48.0	0.719	5.66	<0.040	<1.00	<2.00
0209-CF-104-20.0 Duplicate of -004	<50	<0.250	2.10	43.7	0.754	5.57	<0.040	<1.00	<2.00
0209-CF-005-10.0 West side sample near north at 10 ft	<50	<0.250	<2	40.7	0.382	4.63	<0.040	<1.00	<2.00
0209-CF-006-25.0 South side wall sample at 25 ft	<50	<0.250	<2	64.8	0.749	4.28	<0.040	<1.00	<2.00
0209-CF-007-15.0 base sample near north wall at approx. 22 ft. Original sample depth misreported.	<50	<0.250	<2	19.9	0.555	7.67	<0.040	<1.00	<2.00
0209-CF-008-25.0 East side wall sample near south wall at 25 ft	<50	<0.250	2.44	20.5	0.480	1.96	<0.040	<1.00	<2.00
0209-CF-009-15.0 East side wall sample near north wall at 15 ft	<50	<0.250	<2	109	0.436	5.73	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

TABLE 25. LABORATORY ORGANIC DETECTIONS EC-50 SITE

Sample ID	Test	Method	Units	Parameter	Result	SSL
0209-CF-003-20.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	12.3	347
0209-CF-104-20.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	0.594	347

3.9 Cowan Site (SWMU 211)

3.9.1 Preliminary Investigation (BAE Systems, 2003)

The Range-wide AST survey identified a surface stain beneath the former site of an AST at the Cowan site (SWMU 211; CCWS 37). Site personnel noted a stain on surface gravel during the preliminary investigation (photograph 43). Based on examination of cores from the preliminary investigation, soils at the site appear to be silty, fine-grained sands down to approximately 9 ft bgs to 12 ft bgs, with a compact, plastic clay layer with some gypsum underlying this layer down to at least 14 ft bgs. Approximate depth to ground water at this site is unknown.

WSMR completed 4 soil borings at this site during the preliminary investigation. Concentrations of DRO were quantified in the first boring (soil boring CWAN-SB-01), presumed to be the point of origin of the release.

A concentration of 11,000 mg/kg was reported for samples taken from both 2.5 ft bgs and 7.5 ft bgs in this boring. This exceeds the NMED TPH residential screening guideline for diesel fuel of 520 mg/kg. Analysis of sample from soil taken at 5 ft bgs in a boring made approximately 7.5 ft north-northeast of the first boring (soil boring CWAN-SB-03) reported a DRO concentration of 6,400 mg/kg, though no detections above the 12 mg/kg reporting limit were made in analysis of samples taken at 2 ft bgs and 12.5 ft bgs in this boring. No DRO was detected above reporting limits in soil borings CWAN-SB-02 and CWAN-SB-04.

PHOTOGRAPH 43. FORMER LOCATION OF AST, COWAN SITE.
Photograph taken looking east.

Extent of Contamination from the Preliminary Investigation

Cowan Site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 18 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. It was originally estimated that approximately 55 cubic yards of contaminated soil was beneath Cowan Site. Actual excavation dimensions are shown superimposed over the original estimate on figure 18. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 19. Table 26 lists detected analytes from the preliminary investigation. The full extent of contamination was not determined during the preliminary investigation. Further site characterization through soil sampling (with the exception of confirmation samples) was not completed. The determination of furthest extent of contamination and remediation was accomplished through excavation and soil removal (Section 3.9.2).

TABLE 26. PRELIMINARY INVESTIGATION DETECTED RESULTS COWAN SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
CWAN-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	NE
CWAN-01-SD-01	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	150		mg/Kg	520
CWAN-01-SD-01	NA	surface	5/7/2003	Oil Range Organics (C24-C40)	150		mg/Kg	2,500
CWAN-01-SB-001 (2.5-3.0)DL	SB01	02.5-3.0	5/21/2003	Diesel Range Organics (C12-C24)	11000	D	mg/Kg	520
CWAN-01-SB-001 (2.5-3.0)DL	SB01	02.5-3.0	5/21/2003	2-Methylnaphthalene	160	D	µg/Kg	NE
CWAN-01-SB-001 (2.5-3.0)DL	SB01	02.5-3.0	5/21/2003	Phenanthrene	1800	D	µg/Kg	1,830,000
CWAN-01-SB-001 (2.5-3.0)DL	SB01	02.5-3.0	5/21/2003	Pyrene	220	D	µg/Kg	1,720,000
CWAN-01-SB-001 (2.5-3.0)DL	SB01	02.5-3.0	5/21/2003	Chrysene	93	JD	µg/Kg	48,100
CWAN-01-SB-001 (2.5-3.0)	SB01	02.5-3.0	5/21/2003	Oil Range Organics (C24-C40)	230		mg/Kg	2,500
CWAN-01-SB-001 (2.5-3.0)	SB01	02.5-3.0	5/21/2003	2-Methylnaphthalene	120		µg/Kg	NE
CWAN-01-SB-001 (2.5-3.0)	SB01	02.5-3.0	5/21/2003	Chrysene	72		µg/Kg	48,100
CWAN-01-SB-001 (2.5-3.0)	SB01	02.5-3.0	5/21/2003	Phenanthrene	1500		µg/Kg	1,830,000
CWAN-01-SB-001 (2.5-3.0)	SB01	02.5-3.0	5/21/2003	Pyrene	220		µg/Kg	1,720,000
CWAN-01-SB-001 (7.5-8.0)DL	SB01	07.5-8.0	5/21/2003	Diesel Range Organics (C12-C24)	11000	D	mg/Kg	520

TABLE 26. PRELIMINARY INVESTIGATION DETECTED RESULTS COWAN SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
CWAN-01-SB-001 (7.5-8.0)DL	SB01	07.5-8.0	5/21/2003	2-Methylnaphthalene	7100	D	µg/Kg	NE
CWAN-01-SB-001 (7.5-8.0)DL	SB01	07.5-8.0	5/21/2003	Naphthalene	2400	D	µg/Kg	45,000
CWAN-01-SB-001 (7.5-8.0)DL	SB01	07.5-8.0	5/21/2003	Phenanthrene	5200	D	µg/Kg	1,830,000
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	2-Methylnaphthalene	6500	E	µg/Kg	NE
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	Phenanthrene	3700	E	µg/Kg	1,830,000
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	Chrysene	36	J	µg/Kg	48,100
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	Oil Range Organics (C24-C40)	190		mg/Kg	2,500
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	Naphthalene	2400		µg/Kg	45,000
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	o-Xylene	110		µg/Kg	9,550,000
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	Pyrene	75		µg/Kg	1,720,000
CWAN-01-SB-003 (5.0-5.5)DL	SB03	05.0-5.5	5/21/2003	Diesel Range Organics (C12-C24)	6400	D	mg/Kg	520
CWAN-01-SB-003 (5.0-5.5)	SB03	05.0-5.5	5/21/2003	Oil Range Organics (C24-C40)	89		mg/Kg	2,500

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

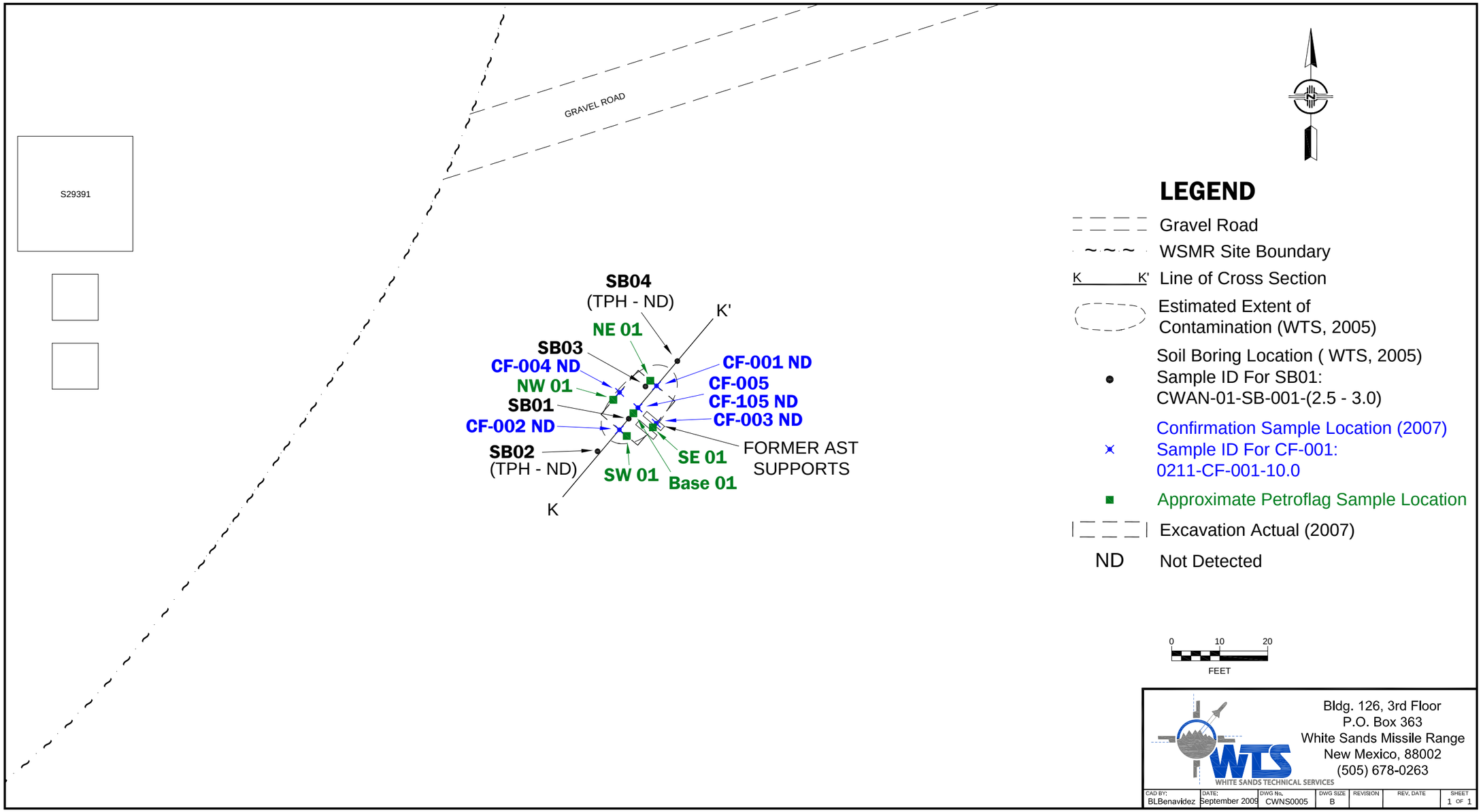

FIGURE 18. PLAN VIEW MAP OF THE COWAN SITE.

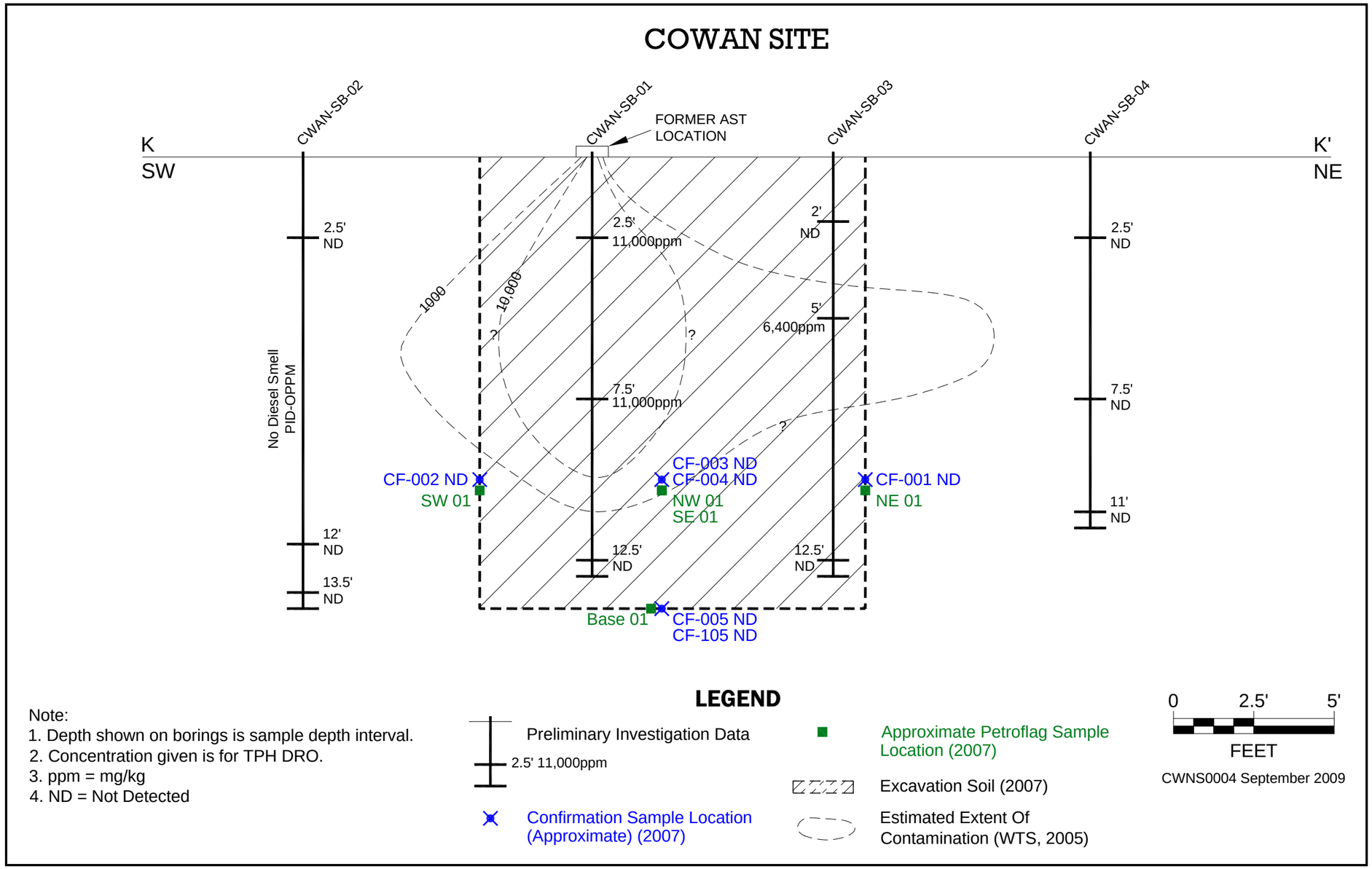

FIGURE 19. APPROXIMATE EXTENT OF EXCAVATIONS AT COWAN SITE.
The final excavation dimensions were approximately 12 ft X 10 ft X 14 ft.
Dashed line in figure denotes estimated extent of contamination from the work plan.

3.9.2 Results of Corrective Action

WSMR completed remediation at Cowan Site from 25-26 June 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation was delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, site personnel extended the excavation in the appropriate direction until no physical evidence remained of further contamination in that direction. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 19.

Physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) by site personnel were used to determine when contamination was still present in soil and the excavation extended accordingly. Additionally, a Petroflag ® Test Kit was used to screen samples at the edges and base of the excavation. Site personnel ultimately extended the excavation to a depth of approximately 14 ft bgs. The sides of the excavation measured 12 ft X 10 ft. Five test kits were run using the Petroflag ® system (table 27). Results ranged from 251 mg/kg to 330 mg/kg full range hydrocarbons, which was well below the 520 mg/kg TPH Screening Guideline. Following results of the Petroflag analysis, excavation at the site was halted. Photographs 44 and 45 show the Cowan excavation. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2 (photographs 46-47).

TABLE 27. PETROFLAG® FIELD SCREENING RESULTS FOR COWAN SITE.

Field Sample Location	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Base sample at 14 feet (Base01)	330	No further excavation
Southwest side wall at 10 feet (SW01)	251	No further excavation
Northeast side wall at 10 feet (SW01)	260	No further excavation
Southeast side wall at 10 feet (SE01)	254	No further excavation
Northwest side wall at 10 feet (NW01)	257	No further excavation

PHOTOGRAPH 44. BEGINNING EXCAVATION AT COWAN SITE.

PHOTOGRAPH 45. COMPLETED EXCAVATION AT COWAN SITE.
Photograph taken looking south-east.

PHOTOGRAPH 46. SOIL STAGING LOCATION AT COWAN.
Photograph taken looking north-east.

PHOTOGRAPH 47. COWAN SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking south-east.

3.9.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from Cowan Site, it is reported that 80 cubic yards of contaminated soil was removed. This material was taken to DP-1051for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 150 mg/kg and was non-ignitable.

3.9.4 Verification of Remediation

To verify that clean-up objectives were met, WSMR collected confirmation soil samples which were analyzed by Trace Analysis prior to excavation backfill. As stipulated in the work plan, samples were collected from the bottom of the excavation, one from each sidewall, and one duplicate sample per excavation. Samples taken from sidewalls were taken preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were not collected based solely on location of contamination shown in the preliminary investigation. As excavation progressed, contamination was discovered deeper than the 7.5 feet determined during the preliminary investigation. Therefore, the field crew made a determination to collect confirmation samples at the greater depths based on determination of contamination using the physical methods (visual and olfactory) and results of Petroflag ® analyses.

Site personnel collected confirmation samples directly from the backhoe bucket after directing the operator where to excavate the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl for prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were

analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 28. Organics detected in confirmation samples are listed in Table 29. No relevant data quality exceptions were noted that could mask VOC or SVOC detections. Additionally, site personnel collected equipment blank using Type II water poured over the sample bowls following decontamination and analyzed. No contaminants of concern were detected that would indicate the sampling equipment would contaminate subsequent samples. All confirmation sample laboratory results are included in appendix C.

With the exception of arsenic, results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. Arsenic was detected in the base sample at 4.72 mg/kg (NMED SSL = 3.9 mg/kg), however, this detection was from a sample at 14 ft depth which is well below the residential exposure scenario depth of 0 ft bgs to 2 ft bgs and is therefore of no concern. A pathway does not exist at this site for residential exposure to arsenic.

NMED describes construction worker exposure as exposures to surface and subsurface soils (at depths of zero to 10 feet below ground surface) during excavation, maintenance and building construction projects (intrusive operations). The highest detection of arsenic, sampled at 14 feet bgs is 4.72 mg/kg detection which is below the NMED SSL for construction worker of 17.7 mg/kg. Additionally, this depth is below the exposure depth of concern. A pathway for construction worker exposure to arsenic does not exist.

TPH DRO was not detected above the laboratory reporting limit of 50 mg/kg in any of the samples. No VOCs or SVOCs were detected in any confirmation samples from the Cowan excavation with the exception of bis(2-ethylhexyl)phthalate. Bis(2-ethylhexyl)phthalate was detected at 5.04 mg/kg in one confirmation sample. This detection is likely a laboratory artifact and not the result of contamination from the site. The NMED SSL for bis(2ethylhexyl)phthalate (June 2006) is 347 mg/kg.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at levels above regulatory concern.

TABLE 28. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS COWAN SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0211-CF-001-10.0 Northeast side wall sample at 10 ft	<50	<0.25	<2	40.9	<0.2	2.72	<0.04	<1	<2
0211-CF-002-10.0 Southwest side wall sample at 10 ft	<50	<0.25	<2	58.5	0.432	8.57	<0.04	<1	<2
0211-CF-003-10.0 Southeast side wall sample at 10 ft	<50	<0.25	<2	66.7	0.43	9.12	<0.04	<1	<2
0211-CF-004-10.0 Northwest side wall sample at 10 ft	<50	<0.25	2.83	78.4	0.543	8.6	<0.04	<1	<2
0211-CF-005-14.0 Base sample	<50	<0.25	4.72	140	0.767	10.4	<0.04	<1	<2
0211-CF-105-14.0 Duplicate of Base sample	<50	<0.25	4.31	140	0.759	10.4	<0.04	<1	<2

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

TABLE 29. LABORATORY ORGANIC DETECTIONS COWAN SITE.						
Sample ID	**Test**	**Method**	**Units**	**Parameter**	**Result**	**SSL**
0211-CF-005-14.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	5.04	347
0211-CF-105-14.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	1.76	347

3.10 Gran Jean Site (SWMU 213)

3.10.1 Preliminary Investigation (BAE Systems, 2003)

The AST survey identified surface stains beneath the former location of an AST at Gran Jean Site (SWMU 213; CCWS 38). Site personnel identified stained soils during the preliminary investigation (photograph 48). Based on WSMR's examination of cores from the direct push probe, the upper 3 ft of soil at the site consisted of silty, fine to medium-grained sands. Underlying this layer is an approximately 5-ft thick layer of silty fine-grained- sand with clay and caliche. Beneath this layer, soils are medium to coarse-grained sands down to 15 ft bgs. Approximate depth to ground water at this site is unknown.

PHOTOGRAPH 48.
STAINED SOILS AT LOCATION OF FORMER AST, GRAN JEAN SITE.

WSMR initially completed four soil borings at this site using the direct push geoprobe, with an additional three borings being made in a follow-up sampling event one week later. Concentrations of DRO were quantified as high as 14,000 mg/kg in the first boring (soil boring GRJN-SB-01), made at the presumed point of origin of the release. Quantifications of DRO above screening guidelines were also made in samples taken from a boring (soil boring GRJN-SB-04) approximately 10 ft south of the initial boring and another boring located approximately 10 ft east of the initial boring (soil boring GRJN-SB-02).

Extent of Contamination from the Preliminary Investigation

Gran Jean Site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 20 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. It was originally estimated that approximately 510 cubic yards of contaminated soil was beneath Gran Jean Site. Actual excavation dimensions are shown superimposed over the original estimate on figure 20. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 21. Table 30 lists detected analytes from the preliminary investigation. The full extent of contamination was not determined during the preliminary investigation. Further site characterization through soil sampling (with the exception of confirmation samples) was not completed. The determination of furthest extent of contamination and remediation was accomplished through excavation and soil removal (Section 3.10.2).

TABLE 30. PRELIMINARY INVESTIGATION DETECTED RESULTS GRAN JEAN SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
GRJN-01-SD-01	NA	surface	5/6/2003	Flash Point (Setaflash)	200	>	degrees F	NE
GRJN-01-SD-01	NA	surface	5/6/2003	Diesel Range Organics (C12-C24)	35		mg/Kg	520
GRJN-01-SD-01	NA	surface	5/6/2003	Oil Range Organics (C24-C40)	140		mg/Kg	2,500
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Diesel Range Organics (C12-C24)	14000	D	mg/Kg	520
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	2-Methylnaphthalene	32000	D	µg/Kg	NE
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Acenaphthene	970	D	µg/Kg	3,440,000
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Fluorene	1500	D	µg/Kg	2,290,000
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Naphthalene	4100	D	µg/Kg	45,000
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Phenanthrene	13000	D	µg/Kg	1,830,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	2-Methylnaphthalene	38000	E	µg/Kg	NE
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Oil Range Organics (C24-C40)	240		mg/Kg	2,500
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Acenaphthene	760		µg/Kg	3,440,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Fluoranthene	230		µg/Kg	2,290,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Fluorene	1300		µg/Kg	2,290,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Naphthalene	3900		µg/Kg	45,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Phenanthrene	11000		µg/Kg	1,830,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Pyrene	550		µg/Kg	1,720,000
GRJN-01-SB-001-(11.5-12)DL	SB01	11.5-12.0	5/27/2003	Diesel Range Organics (C12-C24)	9500	D	mg/Kg	520
GRJN-01-SB-001-(11.5-12)DL	SB01	11.5-12.0	5/27/2003	2-Methylnaphthalene	53000	D	µg/Kg	NE
GRJN-01-SB-001-(11.5-12)DL	SB01	11.5-12.0	5/27/2003	Naphthalene	7400	D	µg/Kg	45,000
GRJN-01-SB-001-(11.5-12)DL	SB01	11.5-12.0	5/27/2003	Phenanthrene	11000	D	µg/Kg	1,830,000
GRJN-01-SB-001-(11.5-12.0)	SB01	11.5-12.0	5/27/2003	2-Methylnaphthalene	49000	E	µg/Kg	NE
GRJN-01-SB-001-(11.5-12.0)	SB01	11.5-12.0	5/27/2003	Oil Range Organics (C24-C40)	120		mg/Kg	2,500
GRJN-01-SB-001-(11.5-12.0)	SB01	11.5-12.0	5/27/2003	Naphthalene	8200		µg/Kg	45,000
GRJN-01-SB-001-(11.5-12.0)	SB01	11.5-12.0	5/27/2003	Phenanthrene	9900		µg/Kg	1,830,000
GRJN-01-SB-001-(14.5-15)DL	SB01	14.5-15.0	5/27/2003	Diesel Range Organics (C12-C24)	1600	D	mg/Kg	520

TABLE 30. PRELIMINARY INVESTIGATION DETECTED RESULTS GRAN JEAN SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
GRJN-01-SB-001-(14.5-15)DL	SB01	14.5-15.0	5/27/2003	2-Methylnaphthalene	3100	D	µg/Kg	NE
GRJN-01-SB-001-(14.5-15)DL	SB01	14.5-15.0	5/27/2003	Naphthalene	160	D	µg/Kg	45,000
GRJN-01-SB-001-(14.5-15)DL	SB01	14.5-15.0	5/27/2003	Phenanthrene	1600	D	µg/Kg	1,830,000
GRJN-01-SB-001-(14.5-15.0)	SB01	14.5-15.0	5/27/2003	2-Methylnaphthalene	3000	E	µg/Kg	NE
GRJN-01-SB-001-(14.5-15.0)	SB01	14.5-15.0	5/27/2003	Fluoranthene	35		µg/Kg	2,290,000
GRJN-01-SB-001-(14.5-15.0)	SB01	14.5-15.0	5/27/2003	Naphthalene	170		µg/Kg	45,000
GRJN-01-SB-001-(14.5-15.0)	SB01	14.5-15.0	5/27/2003	Phenanthrene	1500		µg/Kg	1,830,000
GRJN-01-SB-001-(14.5-15.0)	SB01	14.5-15.0	5/27/2003	Pyrene	37		µg/Kg	1,720,000
GRJN-01-SB-002-(7.5-8.0)DL	SB02	07.5-8.0	5/27/2003	Diesel Range Organics (C12-C24)	13000	D	mg/Kg	520
GRJN-01-SB-002-(7.5-8.0)	SB02	07.5-8.0	5/27/2003	Oil Range Organics (C24-C40)	71		mg/Kg	2,500
GRJN-01-SB-002(13.5-14.)DL	SB02	13.5-14.0	5/27/2003	Diesel Range Organics (C12-C24)	14000	D	mg/Kg	520
GRJN-01-SB-102-(13.5-14)DL	SB02	13.5-14.0	5/27/2003	Diesel Range Organics (C12-C24)	18000	D	mg/Kg	520
GRJN-01-SB-002-(13.5-14.0)	SB02	13.5-14.0	5/27/2003	Oil Range Organics (C24-C40)	110		mg/Kg	2,500
GRJN-01-SB-102-(13.5-14.0)	SB02	13.5-14.0	5/27/2003	Oil Range Organics (C24-C40)	480		mg/Kg	2,500
GRJN-01-SB-003-(10.0-10.5)	SB03	10.0-10.5	5/27/2003	Diesel Range Organics (C12-C24)	20		mg/Kg	520
GRJN-01-SB-004-(7.5-8.0)DL	SB04	07.5-8.0	5/27/2003	Diesel Range Organics (C12-C24)	570	D	mg/Kg	520
GRJN-01-SB-004(10.5-11)DL	SB04	10.5-11.0	5/27/2003	Diesel Range Organics (C12-C24)	1500	D	mg/Kg	520
GRJN-01-SB-004-(14.0-14.5)	SB04	14.0-14.5	5/27/2003	Acetone	8	J	µg/Kg	67,500,000
GRJN-01-SB-004-(14.0-14.5)	SB04	14.0-14.5	5/27/2003	Diesel Range Organics (C12-C24)	31		mg/Kg	520
GRJN-01-SB-004-(14.0-14.5)	SB04	14.0-14.5	5/27/2003	Phenanthrene	48		µg/Kg	1,830,000

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

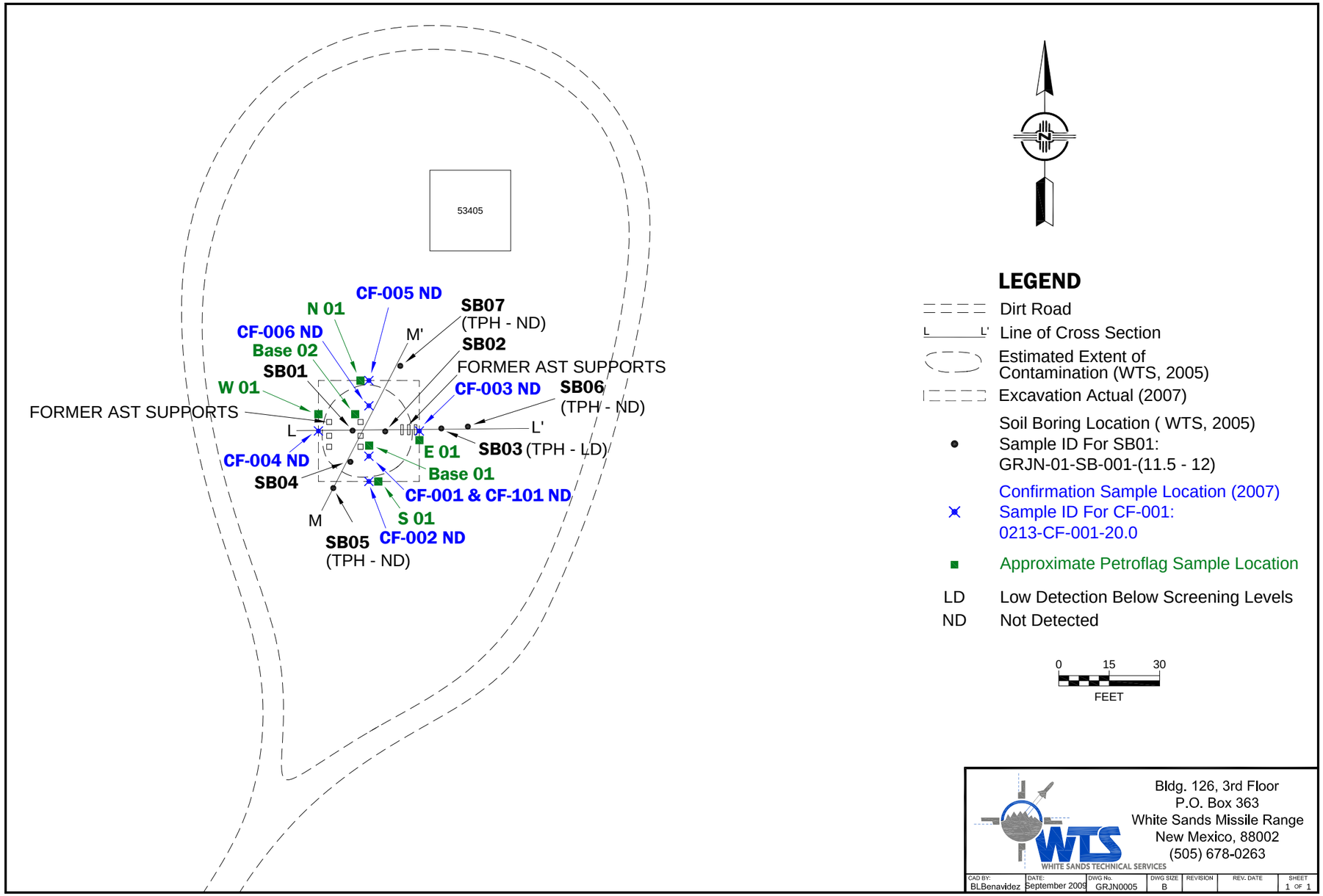

FIGURE 20. PLAN VIEW MAP OF THE GRAN JEAN SITE

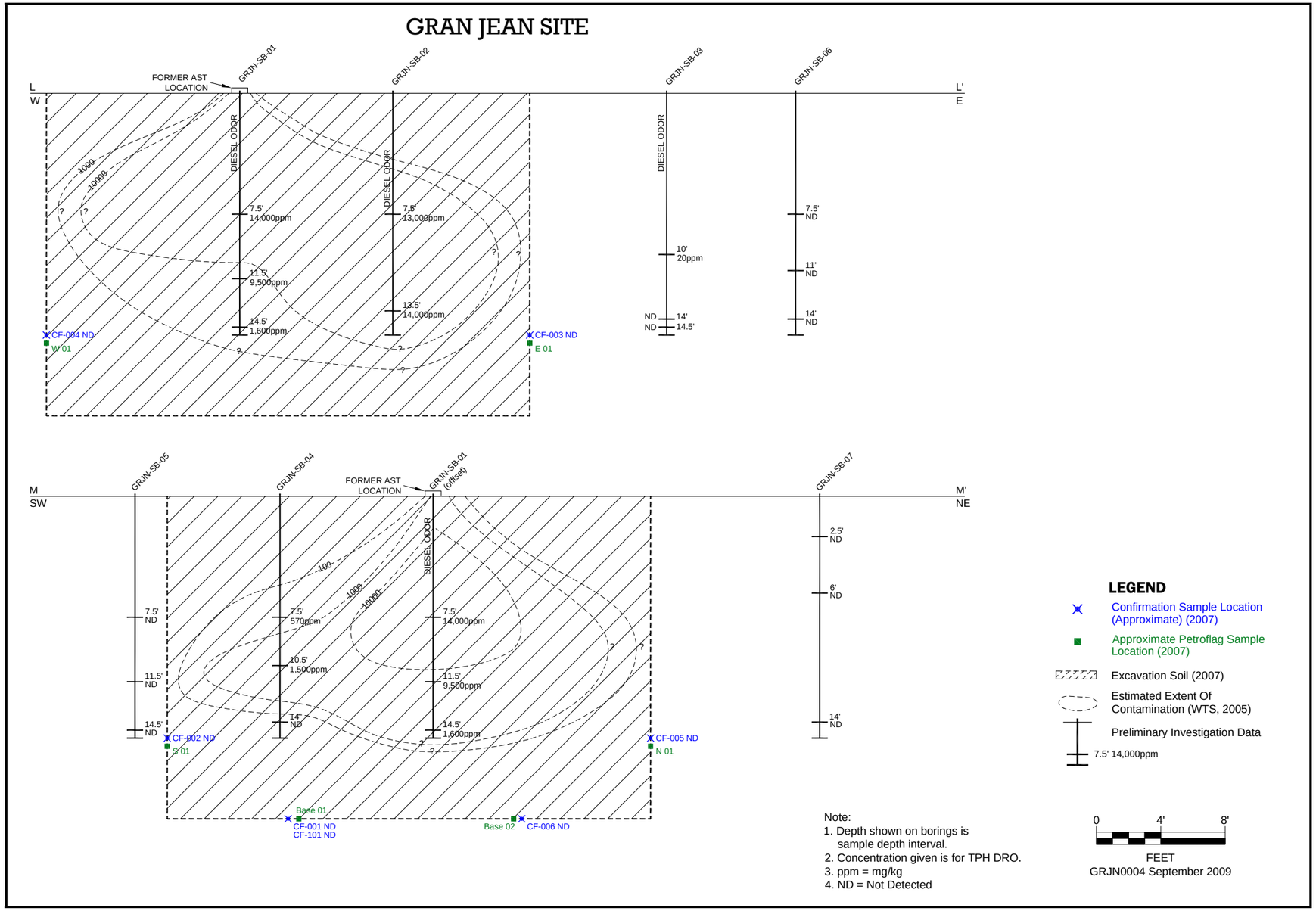

FIGURE 21. APPROXIMATE EXTENT OF EXCAVATIONS AT GRAN JEAN SITE.
The final excavation dimensions were approximately 30 ft X 30 ft X 20 ft. Dashed line in figure denotes estimated extent of contamination from the work plan.

3.10.2 Results of Corrective Action

WSMR completed remediation at Gran Jean Site from 12 July 2007 – 23 July 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation were delineated by site personnel based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. Clean overburden (approximately 200 cubic yards) was removed and set aside to use for backfill. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 21.

Physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) by site personnel were used to determine when contamination was still present in soil and the excavation extended accordingly. Site personnel completed excavation at the site using an excavator (trackhoe). Additionally, a Petroflag ® Test Kit was used to screen samples at the edges and base of the excavation. The excavation at the former AST at Gran Jean was ultimately extended to a depth of approximately 20 ft bgs. The sides of the excavation measured approximately 30 ft X 30 ft. Six test kits were run using the Petroflag ® system (table 31). Results ranged from 31 mg/kg to 162 mg/kg full range hydrocarbons, a reading which was well below the 520 mg/kg TPH Screening Guideline. Following results of the Petroflag analysis, excavation at the site was halted. Site personnel completed soil staging, transport, backfill, and grading as described in Sections 3.2.2.1 and 3.2.2.2. Photographs 49-52 show the Gran Jean excavation.

TABLE 31. PETROFLAG® FIELD SCREENING RESULTS FOR GRAN JEAN SITE.

Field Sample Location	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Base sample near to south at 20 feet (Base01)	91	No further excavation
South side wall at 15 feet (S01)	60	No further excavation
East side wall at 15 feet (E01)	31	No further excavation
West side wall at 15 feet (W01)	42	No further excavation
North side wall at 15 feet (N01)	82	No further excavation
Base sample near to north at 20 feet (Base02)	162	No further excavation

PHOTOGRAPH 49. BEGINNING EXCAVATION AT THE GRAN JEAN SITE.
Photograph taken looking north.

PHOTOGRAPH 50. COMPLETED EXCAVATION AT GRAN JEAN SITE.
Photograph taken looking south.

PHOTOGRAPH 51. SOIL STAGING LOCATION AT GRAN JEAN.
Photograph taken looking east.

PHOTOGRAPH 52. GRAN JEAN SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking south-west.

3.10.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from each site, it is reported that 820 cubic yards of contaminated soil was removed from Gran Jean which was above the estimated cubic yardage of 510 based on the preliminary investigation. This material was taken to a DP-1051for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 35 mg/kg and was non-ignitable.

3.10.4 Verification of Remediation.

To verify that clean-up objectives were met, site personnel collected confirmation soil samples which were analyzed by Trace Analysis prior to excavation backfill. As stipulated in the work plan, samples were collected from the bottom of the excavation, from each sidewall, and one duplicate sample per excavation. Samples taken from the excavation floors were collected as closely to the lateral centers of the diesel spills as possible. Samples taken from sidewalls were taken preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were not collected based entirely on results of the preliminary investigation. As excavation progressed, contamination was discovered deeper than the 7.5 feet to 14.5 feet determined for contamination during the preliminary investigation (due to push probe refusal). Therefore, the field crew made a determination to collect confirmation samples at the greater depths based on determination of contamination using the physical methods (visual and olfactory) and results of Petroflag ® analyses.

Site personnel collected confirmation samples directly from the backhoe bucket after directing the operator where to excavate the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. There were no significant detections of VOCs or SVOCs from the site. Confirmation sample results for TPH DRO and RCRA metals are listed in table 32. Table 33 lists detected organics from confirmation samples. No relevant data quality exceptions were noted that could mask VOC or SVOC detections. Additionally, site personnel collected an equipment

blank using Type II water poured over the sample bowls following decontamination. No contaminants of concern were detected that would indicate the sampling equipment would contaminate subsequent samples. All confirmation sample laboratory results are included in appendix C.

TABLE 32. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS GRAN JEAN SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0213-CF-001-20.0 Base sample near south wall at 20 ft	<50	<0.250	3.44	199	0.690	11.7	<0.040	<1.00	<2.00
0213-CF-101-20.0 duplicate of -001	<50	<0.250	3.37	110	0.722	12.6	<0.040	<1.00	<2.00
0213-CF-002-15.0 South side wall sample at 15 ft	<50	<0.250	<2	63.5	0.316	2.63	<0.040	<1.00	<2.00
0213-CF-003-15.0 East side wall sample at 15 ft	<50	<0.250	<2	112	0.220	2.80	<0.040	<1.00	<2.00
0213-CF-004-15.0 West side wall sample at 15 ft	<50	<0.250	<2	39.8	0.267	2.05	<0.040	<1.00	<2.00
0213-CF-005-15.0 North side wall sample at 15 ft	<50	<0.250	<2	57.4	0.317	2.68	<0.040	1.00	<2.00
0213-CF-006-20.0 Base sample near north wall at 20 ft	<50	<0.250	3.46	151	0.589	12.3	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. Metals are not expected to be associated with diesel fuel, however, WSMR analyzed for RCRA metals to determine their concentrations at the site. TPH DRO was not detected in the confirmation samples at a reporting limit of 50 mg/kg. No VOCs or SVOCs were detected in any confirmation samples from the EC-50 excavation with the exception of bis (2-ethylhexyl)phthalate. Bis(2-ethylhexyl)phthalate was detected at a highest concentration of 0.511 mg/kg in one confirmation sample. This detection is likely a laboratory artifact and not the result of contamination from the site. The NMED SSL for bis(2ethylhexyl)phthalate (June 2006) is 347 mg/kg.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site.

TABLE 33. LABORATORY ORGANIC DETECTIONS GRAN JEAN SITE.

Sample ID	Test	Method	Units	Parameter	Result	SSL
0213-CF-006-20.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	0.511	347

3.11 NE-50 Site (SWMU 214)

3.11.1 Preliminary Investigation (BAE Systems, 2003)

The AST survey identified surface stains beneath the location of a former AST at the NE-50 site (SWMU 214; CCWS 39). Site personnel identified a small stained area during the preliminary investigation (photograph 53). Based on examination of cores from the direct push probe, portions of the NE-50 site appear to have a layer of gravel fill up to one-foot thick overlying fine to medium-grained sands with some silt and clay. The clay content increases with depth, and predominantly clay soils were encountered at 6 ft bgs in one boring. The geoprobe encountered repeated refusals before target depths were reached, resulting in a maximum depth of exploration of 8 ft bgs. Approximate depth to ground water at this site is unknown.

WSMR completed 4 soil borings at this site using the direct push geoprobe. Concentrations of DRO were quantified as high as 11,000 mg/kg in samples from the first boring (soil boring NE-50-SB-01), presumed to be made at the point of origin of the release. Samples taken from this borehole all had DRO levels above the NMED residential TPH screening guideline of 520 mg/kg for diesel fuel, and the highest concentration was detected in the maximum depth explored (7.5 ft bgs).

PHOTOGRAPH 53. FORMER LOCATION OF AST, NE-50 SITE.
Photograph taken looking east.

Extent of Contamination from the Preliminary Investigation

The NE-50 site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 22 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the original estimated horizontal extent of contamination based on the preliminary investigation. WSMR originally estimated that approximately 55 cubic yards of contaminated soil was beneath the NE-50 site. Actual excavation dimensions are shown superimposed over the original estimate on figure 22. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 23. Table 34 lists detected analytes from the preliminary investigation. The full extent of contamination was not determined during the preliminary investigation. Further site characterization through soil sampling (with the exception of confirmation samples) was not completed. The determination of furthest extent of contamination and remediation was accomplished through excavation and soil removal (Section 3.11.2).

TABLE 34. PRELIMINARY INVESTIGATION DETECTED RESULTS NE-50 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
NE50-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	69,600
NE50-01-SD-01DL	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	1800	D	mg/Kg	520
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Diesel Range Organics (C12-C24)	2200	D	mg/Kg	520
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Oil Range Organics (C24-C40)	16000	D	mg/Kg	2,500
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	2-Methylnaphthalene	130	J	µg/Kg	NE
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Fluorene	84	J	µg/Kg	2,290,000
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Phenanthrene	93	J	µg/Kg	1,830,000
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Pyrene	91	J	µg/Kg	1,720,000
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	Fluorene	90	J	µg/Kg	2,290,000
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	Phenanthrene	91	J	µg/Kg	1,830,000
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	Pyrene	90	J	µg/Kg	1,720,000
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Acenaphthene	190		µg/Kg	3,440,000
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Chrysene	860		µg/Kg	48,100
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	2-Methylnaphthalene	150		µg/Kg	NE
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	Acenaphthene	200		µg/Kg	3,440,000
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	Chrysene	980		µg/Kg	48,100
NE50-01-SB-001-(5.0-5.5)DL	SB01	05.0-5.5	5/23/2003	Diesel Range Organics (C12-C24)	5200	D	mg/Kg	520
NE50-01-SB-001-(5.0-5.5)DL	SB01	05.0-5.5	5/23/2003	2-Methylnaphthalene	32000	D	µg/Kg	NE
NE50-01-SB-001-(5.0-5.5)DL	SB01	05.0-5.5	5/23/2003	Naphthalene	3100	D	µg/Kg	45,000
NE50-01-SB-001-(5.0-5.5)DL	SB01	05.0-5.5	5/23/2003	Phenanthrene	6000	D	µg/Kg	1,830,000
NE50-01-SB-001-(5.0-5.5)	SB01	05.0-5.5	5/23/2003	2-Methylnaphthalene	24000	E	µg/Kg	NE
NE50-01-SB-001-(5.0-5.5)	SB01	05.0-5.5	5/23/2003	m,p-Xylene	110	J	µg/Kg	1,090,000
NE50-01-SB-001-(5.0-5.5)	SB01	05.0-5.5	5/23/2003	o-Xylene	140	P	µg/Kg	9,550,000

TABLE 34. PRELIMINARY INVESTIGATION DETECTED RESULTS NE-50 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
NE50-01-SB-001-(5.0-5.5)	SB01	05.0-5.5	5/23/2003	Naphthalene	3100		µg/Kg	45,000
NE50-01-SB-001-(5.0-5.5)	SB01	05.0-5.5	5/23/2003	Phenanthrene	5200		µg/Kg	1,830,000
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	Diesel Range Organics (C12-C24)	11000	D	mg/Kg	520
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	2-Methylnaphthalene	74000	D	µg/Kg	NE
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	Acenaphthene	2700	D	µg/Kg	3,440,000
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	Fluorene	2000	D	µg/Kg	2,290,000
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	Naphthalene	12000	D	µg/Kg	45,000
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	Phenanthrene	11000	D	µg/Kg	1,830,000
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	2-Methylnaphthalene	49000	E	µg/Kg	NE
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	Naphthalene	13000	E	µg/Kg	45,000
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	Pyrene	130	J	µg/Kg	1,720,000
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	Acenaphthene	2100		µg/Kg	3,440,000
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	Fluorene	1100		µg/Kg	2,290,000
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	m,p-Xylene	140		µg/Kg	1,090,000
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	o-Xylene	170		µg/Kg	9,550,000
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	Phenanthrene	9100		µg/Kg	1,830,000
NE50-01-SB-002-(4.0-4.5)	SB02	04.0-4.5	5/23/2003	Diesel Range Organics (C12-C24)	51		mg/Kg	520
NE50-01-SB-003-(4.0-4.5)	SB03	04.0-4.5	5/23/2003	Diesel Range Organics (C12-C24)	19		mg/Kg	520

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

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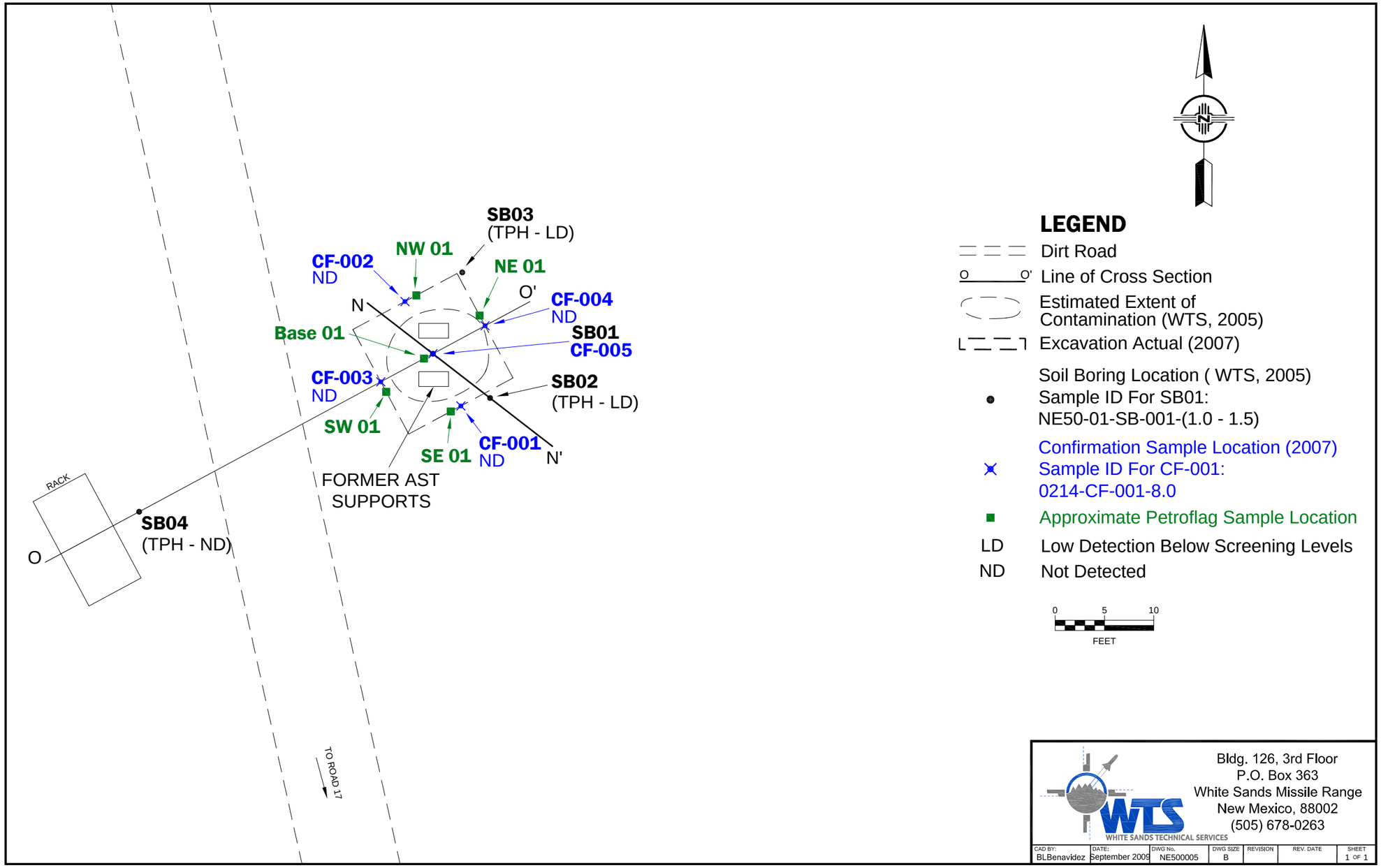

FIGURE 22. PLAN VIEW MAP OF THE NE-50 SITE.

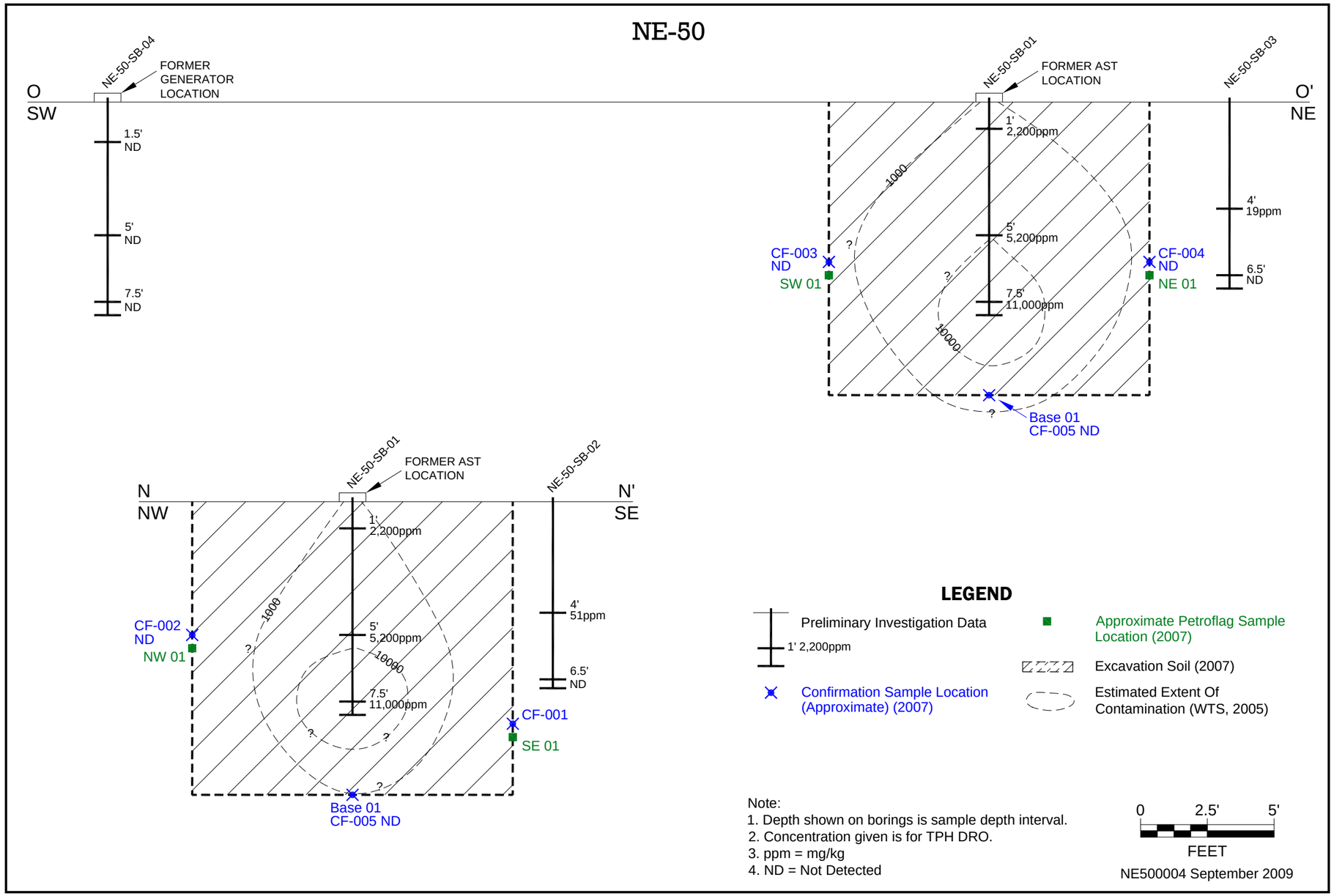

FIGURE 23. APPROXIMATE EXTENT OF EXCAVATIONS AT NE-50 SITE.
The final excavation dimensions were approximately 12 ft X 12 ft X 11 ft. Dashed line in figure denotes estimated extent of contamination from the work plan.

3.11.2 Results of Corrective Action

WSMR completed remediation at NE-50 on 5 July 2007 with backfilling on 10 July 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation was delineated based on interpolation of results as outlined in the work plan. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 23.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. Excavation at the site was accomplished using a backhoe. Additionally, personnel used a Petroflag ® Test Kit to screen samples at the edges and base of the excavation. The excavation at the former AST at NE-50 was ultimately extended to a depth of approximately 11 ft bgs. The sides of the excavation measured approximately 12 ft X 12 ft. Six test kits were run using the Petroflag ® system (table 35). Results ranged from 47 mg/kg to 119 mg/kg full range hydrocarbons, which was well below the 520 mg/kg TPH Screening Guideline. Following results of the Petroflag analysis, excavation at the site was halted. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2. Photographs 54-56 show the NE-50 excavation.

TABLE 35. PETROFLAG® FIELD SCREENING RESULTS FOR NE-50 SITE.

Field Sample Location	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Base sample at 11 feet (Base01)	47	No further excavation
Southwest side wall at 6 feet (SW01)	63	No further excavation
Southeast side wall at 8 feet (SE01)	67	No further excavation
Northwest side wall at 5 feet (NW01)	49	No further excavation
Northeast side wall at 6 feet (NE01)	119	No further excavation

PHOTOGRAPH 54. BEGINNING EXCAVATION AT THE NE-50 SITE; SOIL STAGING SHOWN.
Photograph taken looking south-west.

PHOTOGRAPH 55. COMPLETED EXCAVATION AT NE-50 SITE.

PHOTOGRAPH 56. NE-50 SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking west.

3.11.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from each site, researchers reported that 80 cubic yards of contaminated soil was removed from NE-50 above the estimate from the preliminary investigation of 55 cubic yards. This material was taken to DP-1051 for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 1,800 mg/kg and was non-ignitable.

3.11.4 Verification of Remediation

To verify that clean-up objectives were met, site personnel collected confirmation soil samples which were analyzed by Trace Analysis prior to excavation backfill. As stipulated in the work plan, samples were collected from the bottom of the excavation, from each sidewall, and one duplicate sample per excavation. Samples taken from the excavation floors were collected as closely to the lateral center of the diesel spill as possible. Samples taken from sidewalls were taken preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to collect the sample. Site personnel collected discrete soil samples from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals.

Confirmation sample results for TPH DRO and RCRA metals are listed in table 36. Additionally, site personnel collected an equipment blank using Type II water poured over the sample bowls following decontamination and analyzed. No contaminants of concern were detected that would indicate the sampling equipment would contaminate subsequent samples. All confirmation sample laboratory results are included in appendix C.

TABLE 36. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS NE-50 SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0214-CF-001-8.0 Southeast side wall sample at 8 ft	<50	<0.250	<2	88.7	0.499	7.25	<0.040	<1.00	<2.00
0214-CF-002-5.0 Northwest side wall sample at 5 ft	<50	<0.250	2.62	67.3	0.464	7.15	<0.040	<1.00	<2.00
0214-CF-003-6.0 Southwest side wall sample at 6 ft	<50	<0.250	2.59	86.1	0.457	8.71	<0.040	<1.00	<2.00
0214-CF-004-6.0 Northeast side wall sample at 6 ft	<50	<0.250	<2	64.1	0.417	6.58	<0.040	<1.00	<2.00
0214-CF-005-11.0 Base sample at 11 ft	<50	<0.250	<2	34.7	0.827	6.33	<0.040	<1.00	<2.00
0214-CF-105-11.0 Duplicate of -005	<50	<0.250	<2	43.9	0.467	3.86	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. Metals are not expected to be associated with diesel fuel, however, WSMR analyzed for RCRA metals to determine their concentrations at the site. Neither TPH DRO nor VOCs or SVOCs were detected at their respective laboratory reporting limits in any confirmation samples collected. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site above levels of regulatory concern.

4.0 POL SITES NOT REQUIRING CORRECTIVE ACTION

4.1 RAM Site (SWMU 201)

The AST survey identified a surface stain beneath the location of an active AST at the Ram site (SWMU 201; CCWS 42). Analysis of a sample during the AST survey, taken at 1.5 ft bgs at this stain, quantified both DRO and ORO at 150 mg/kg. The tank had been removed at the time of the preliminary investigation, but a small stain was located near a concrete pad sloping toward the building at the site (photograph 57). Two soil borings were made at the site of the former AST during the preliminary investigation (soil borings RAM-SB-01 and RAM-SB-02) (figures 24 and 25). No DRO was detected above reporting limits of 11 mg/kg in any of the samples taken during the drilling investigation. One surface sample at the presumed point of release had a DRO level of 16 mg/kg (Ram-01-SD-01). Appendix F contains laboratory results from the preliminary investigation. Table 37 lists detected analytes from the preliminary investigation.

TABLE 37. PRELIMINARY INVESTIGATION DETECTED RESULTS RAM SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
RAM0-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	69,600
RAM0-01-SD-01	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	16		mg/Kg	520

> - Greater than indicated temperature.

Results of the AST survey show that a potential release, below NMED TPH Screening Guidelines, may have occurred at the RAM site, however, results of the preliminary investigation show no contamination present. Because the AST potentially serving as a future point of release has been removed from the site, no corrective action is required.

PHOTOGRAPH 57.
FORMER LOCATION OF AST, RAM SITE.

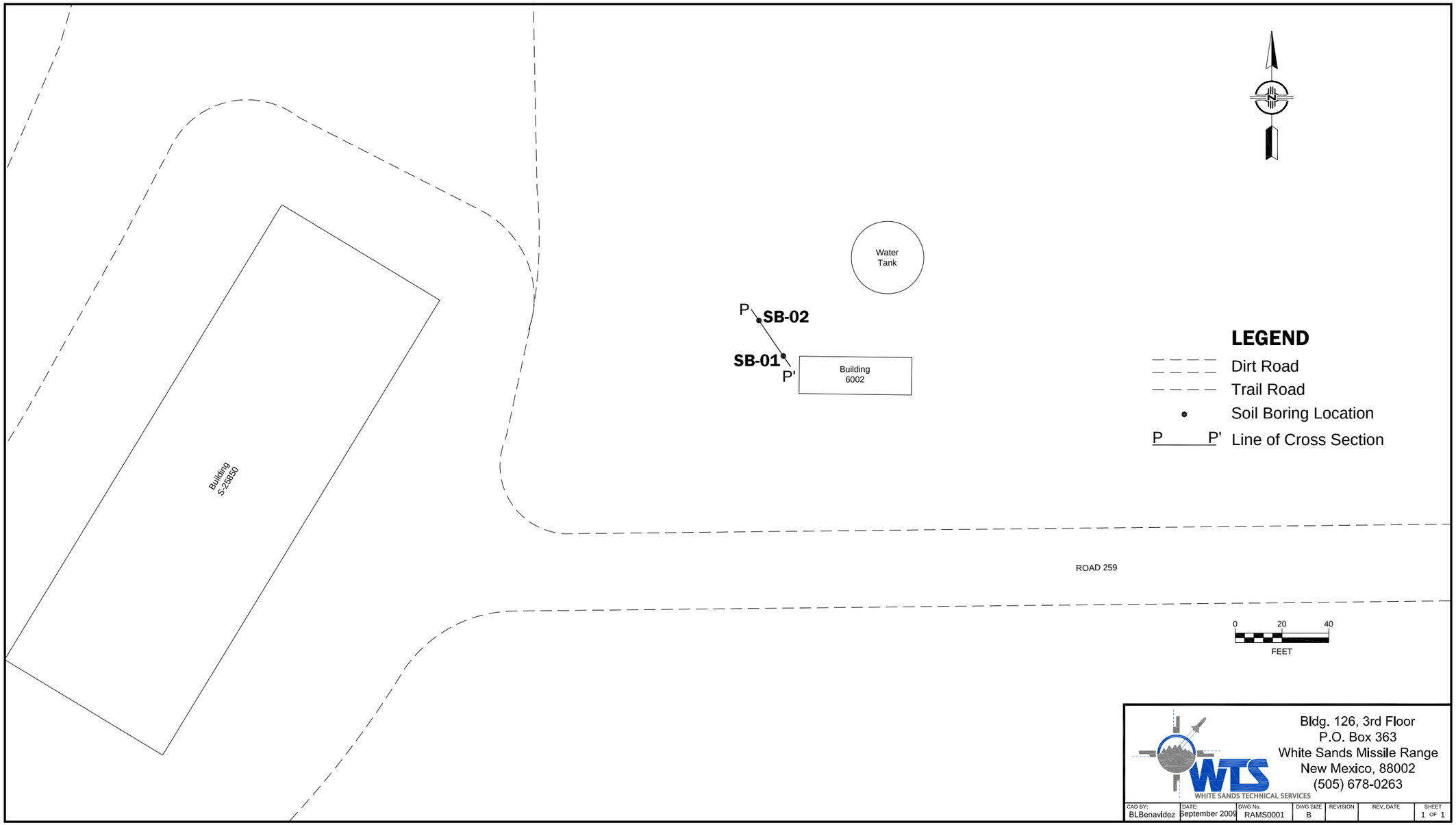

FIGURE 24. PLAN VIEW MAP OF THE RAM SITE.

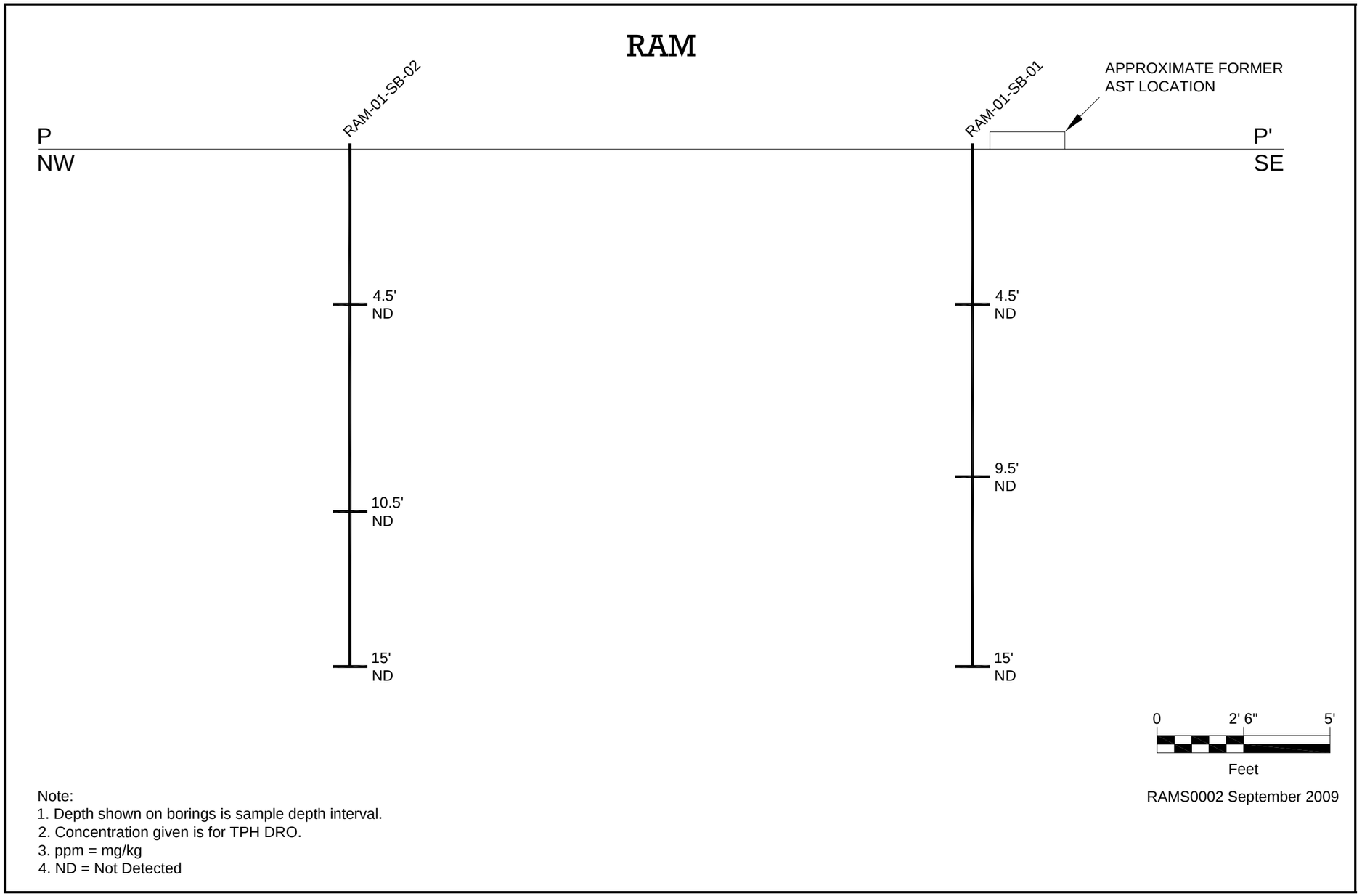

FIGURE 25. RAM SITE CROSS-SECTION SHOWING SAMPLE CONCENTRATIONS

4.2 Dead Horse Site (SWMU 202)

Eight soil borings (soil borings DHRS-SB-01 through DHRS-SB-08) were completed at the Dead Horse Site (SWMU 202; CCWS 43) during the preliminary investigation. Laboratory analysis of samples taken at 6 ft bgs in two of the borings quantified DRO as 17 mg/kg, though both borings were seemingly unrelated to the former AST. No DRO was detected above reporting limits of 12 mg/kg in borings made closer to the former AST. ORO was detected a 300 mg/kg in one sample (SB-03) at 5.0 to 5.5 feet bgs. No DRO was detected. Additionally, no TPH was detected in the same boring at the surface and at 3.5 to 4.0 feet bgs indicating no spill at that location. The 300 mg/kg detection is likely and anomaly. Figures 26 and 27 show sample locations from the preliminary investigation. No analytical evidence of an environmental release was found at this site. The AST had been removed at the time of the 1998 AST survey, so it will not serve as a potential future source. Table 38 lists detected analytes from the preliminary investigation.

TABLE 38. PRELIMINARY INVESTIGATION DETECTED RESULTS DEAD HORSE SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
DEAD-01-SD-01	NA	surface	5/8/2003	Flash Point (Setaflash)	200	>	degrees F	69,600
DEAD-01-SB-003-(5.0-5.5)	SB03	05.0-5.5	5/25/2003	Oil Range Organics (C24-C40)	300		mg/Kg	2,500
DEAD-01-SB-006 (6.0-6.5)	SB06	06.0-6.5	5/29/2003	Diesel Range Organics (C12-C24)	17		mg/Kg	520
DEAD-01-SB-007 (5.5-6.0)	SB07	05.5-6.0	5/29/2003	Diesel Range Organics (C12-C24)	17		mg/Kg	520

> - Greater than indicated temperature.

Results of the preliminary investigation indicate that a release at the Dead Horse site (photograph 58) has not occurred. Appendix F contains laboratory results from the preliminary investigation. The former AST location is not known. WSMR placed nine borings in the approximate area of the former AST location identified by hand drawn site map from the AST survey and could not locate demonstrable contamination. WSMR asserts that the site has been adequately characterized. Because the AST potentially serving as a future point of release has been removed from the site, no corrective action is required.

PHOTOGRAPH 58. DEAD HORSE SITE.

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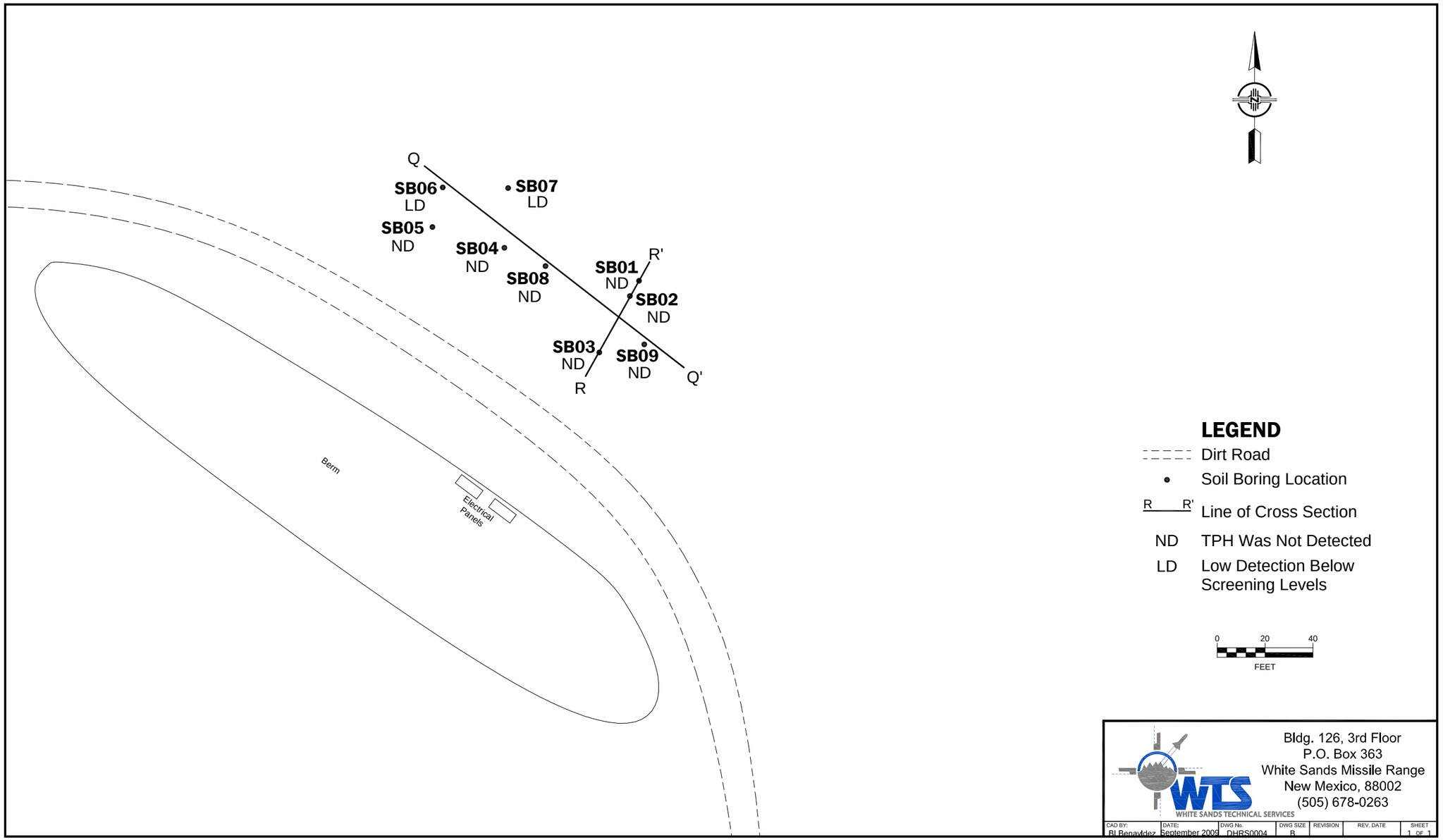

FIGURE 26. PLAN VIEW MAP OF THE DEAD HORSE SITE.

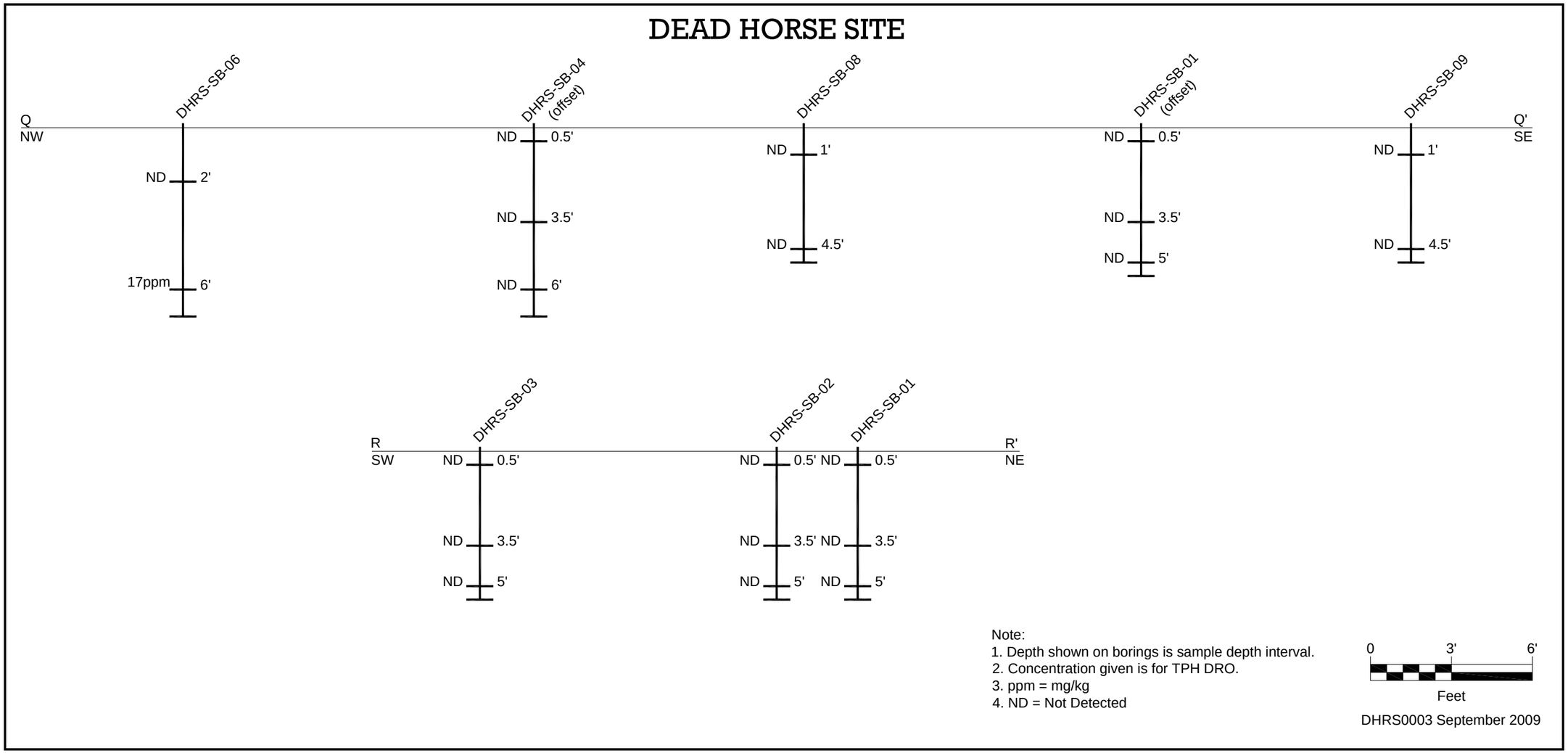

FIGURE 27. DEAD HORSE SITE CROSS-SECTIONS SHOWING SAMPLE CONCENTRATIONS.

4.3 Minnow Site (SWMU 210)

The AST survey identified surface stains beneath an inactive AST and associated equipment rack at the Minnow site (SWMU 210; CCWS 36) (photograph 59). Six soil borings (soil borings MNNW-SB-01 through MNNW-SB-06) were made at this site during the preliminary investigation. Only low levels of DRO were detected at the site, and neither at the borings made nearest to the presumed point of release. DRO was detected at a highest concentration of 170 mg/kg in a sample taken at 6.5 ft bgs from a boring made approximately 30 feet south of the former AST. No samples exceeded the NMED TPH Screening Guidelines for residential exposure. Figures 28 and 29 show sample locations from the preliminary investigation. Appendix F contains laboratory results from the preliminary investigation. No significant contamination was identified at the Minnow site and the potential source identified in the AST survey has since been removed. Table 39 lists detected analytes from the preliminary investigation.

TABLE 39. PRELIMINARY INVESTIGATION DETECTED RESULTS MINNOW SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
MNNW-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	NE
MNNW-01-SD-01	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	60		mg/Kg	520
MNNW-01-SD-01	NA	surface	5/7/2003	Oil Range Organics (C24-C40)	80		mg/Kg	2,500
MNNW-01-SB-001-(1.5-2.0)	SB01	01.5-2.0	5/25/2003	Diesel Range Organics (C12-C24)	13		mg/Kg	520
MNNW-01-SB-004-(6.0-6.5)	SB04	06.0-6.5	5/25/2003	Diesel Range Organics (C12-C24)	170		mg/Kg	520
MNNW-01-SB-004-(6.5-7.0)	SB04	06.5-7.0	5/25/2003	Diesel Range Organics (C12-C24)	100		mg/Kg	520
MNNW-01-SB-005-(6.5-7.0)	SB05	06.5-7.0	5/25/2003	Oil Range Organics (C24-C40)	190		mg/Kg	2,500

> - Greater than indicated temperature.

PHOTOGRAPH 59. FORMER LOCATION OF AST AND EQUIPMENT RACK, MINNOW SITE.

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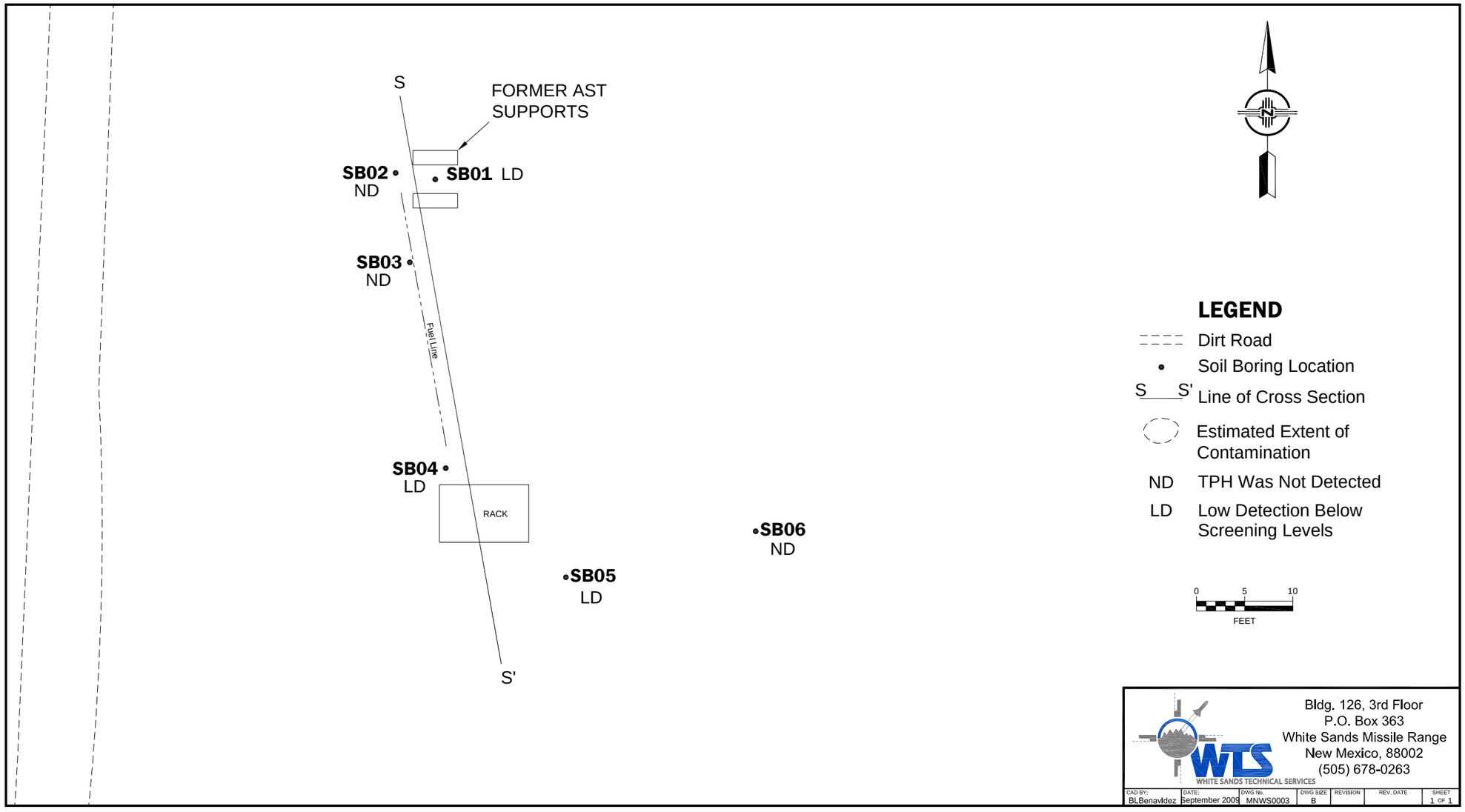

FIGURE 28. PLAN VIEW MAP OF THE MINNOW SITE.

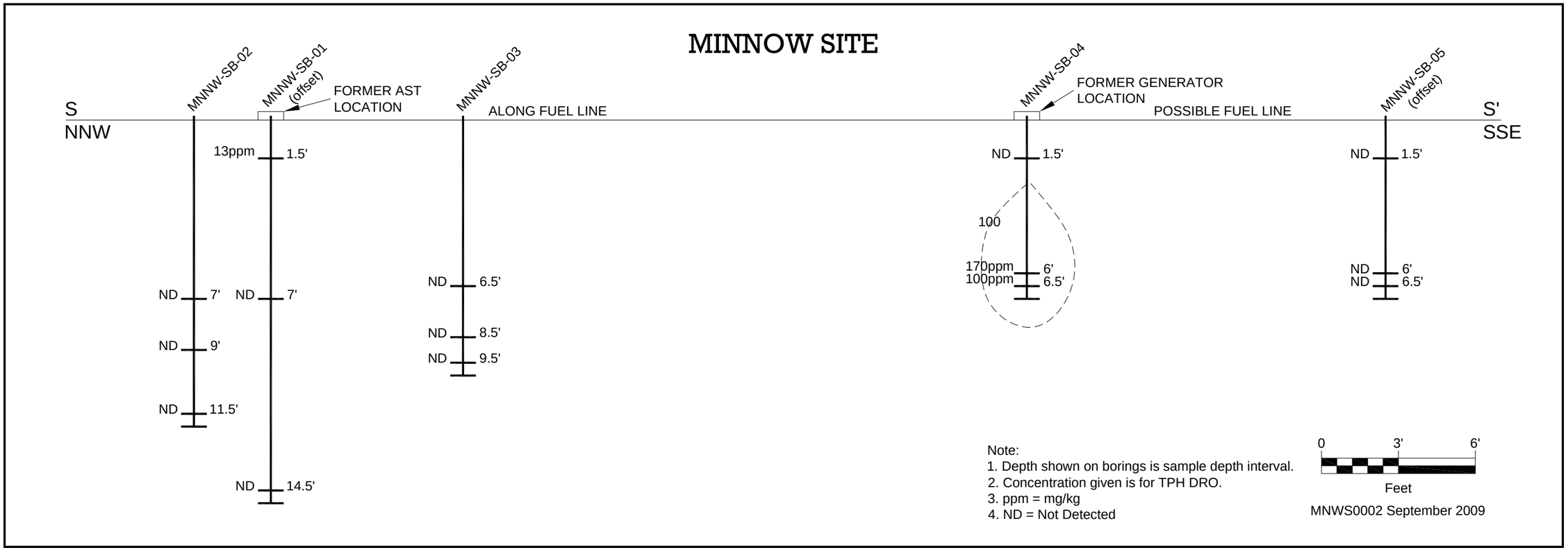

FIGURE 29. MINNOW SITE CROSS-SECTION SHOWING SAMPLE CONCENTRATIONS.

4.4 NW-70 Site (SWMU 212)

The AST survey identified a surface stain beneath the location of a former AST at the NW-70 site (SWMU 212; CCWS 53) (photograph 60). During the preliminary investigation, two soil borings were made at the site of the AST identified in the survey and another two soil borings were made at the location of another AST at the site. DRO was not detected above reporting limits of 11 mg/kg in any of the samples taken during the drilling investigation. A surface sample collected at the presumed point of release had a DRO result of 69 mg/kg. Figures 30 and 31 show sample locations from the preliminary investigation. Appendix F contains laboratory results from the preliminary investigation. Table 40 lists detected analytes from the preliminary investigation.

TABLE 40. PRELIMINARY INVESTIGATION DETECTED RESULTS NW-70 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
NW70-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	69,600
NW70-01-SD-01	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	69		mg/Kg	520

> - Greater than indicated temperature.

No analytical indications of an environmental release were found at the NW-70 site. Because the ASTs potentially serving as a future point of release have also been removed from the site, no corrective action is recommended.

PHOTOGRAPH 60. FORMER LOCATION OF AST, NW-70 SITE.

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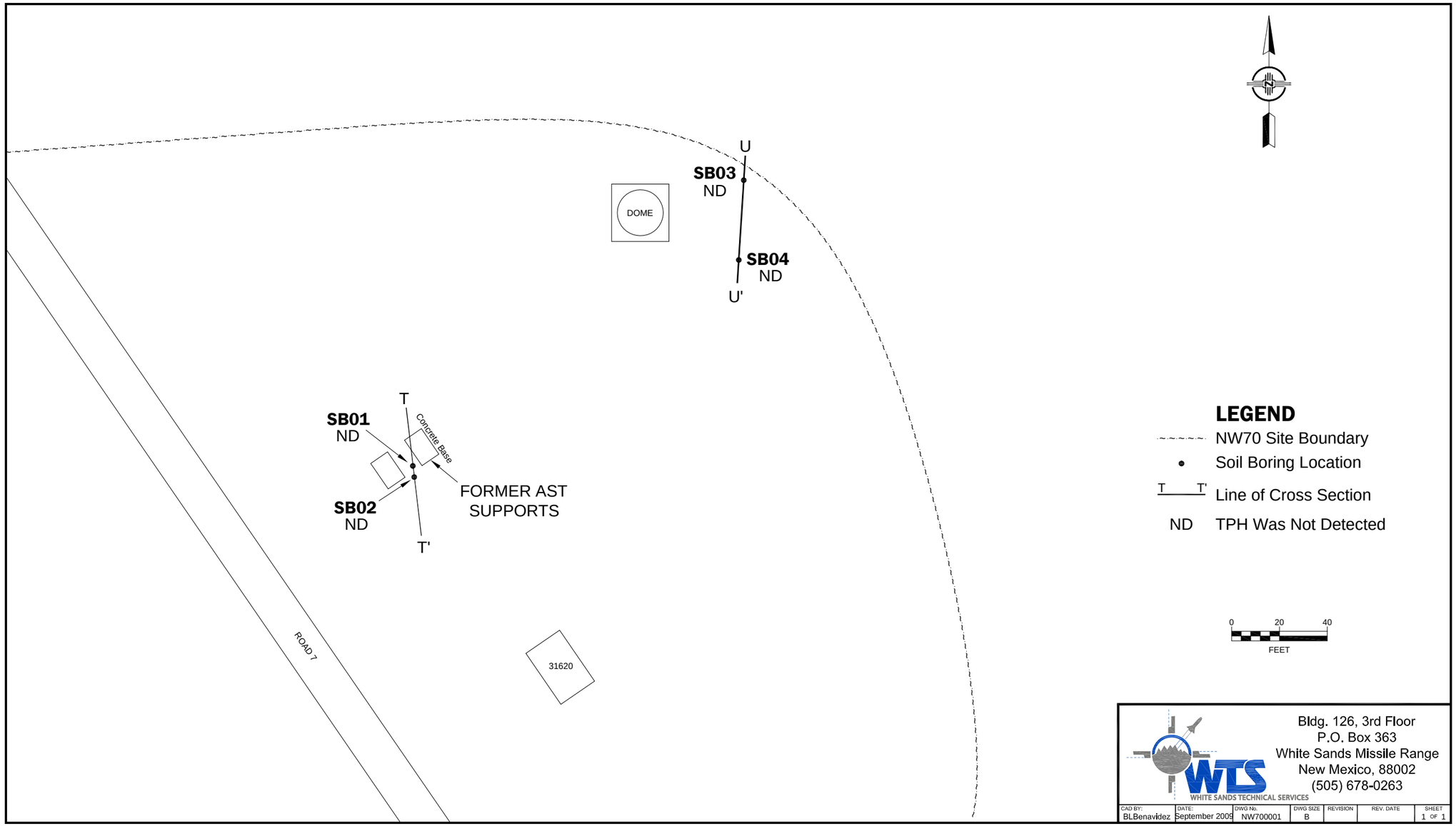

FIGURE 30. PLAN VIEW MAP OF THE NW-70 SITE.

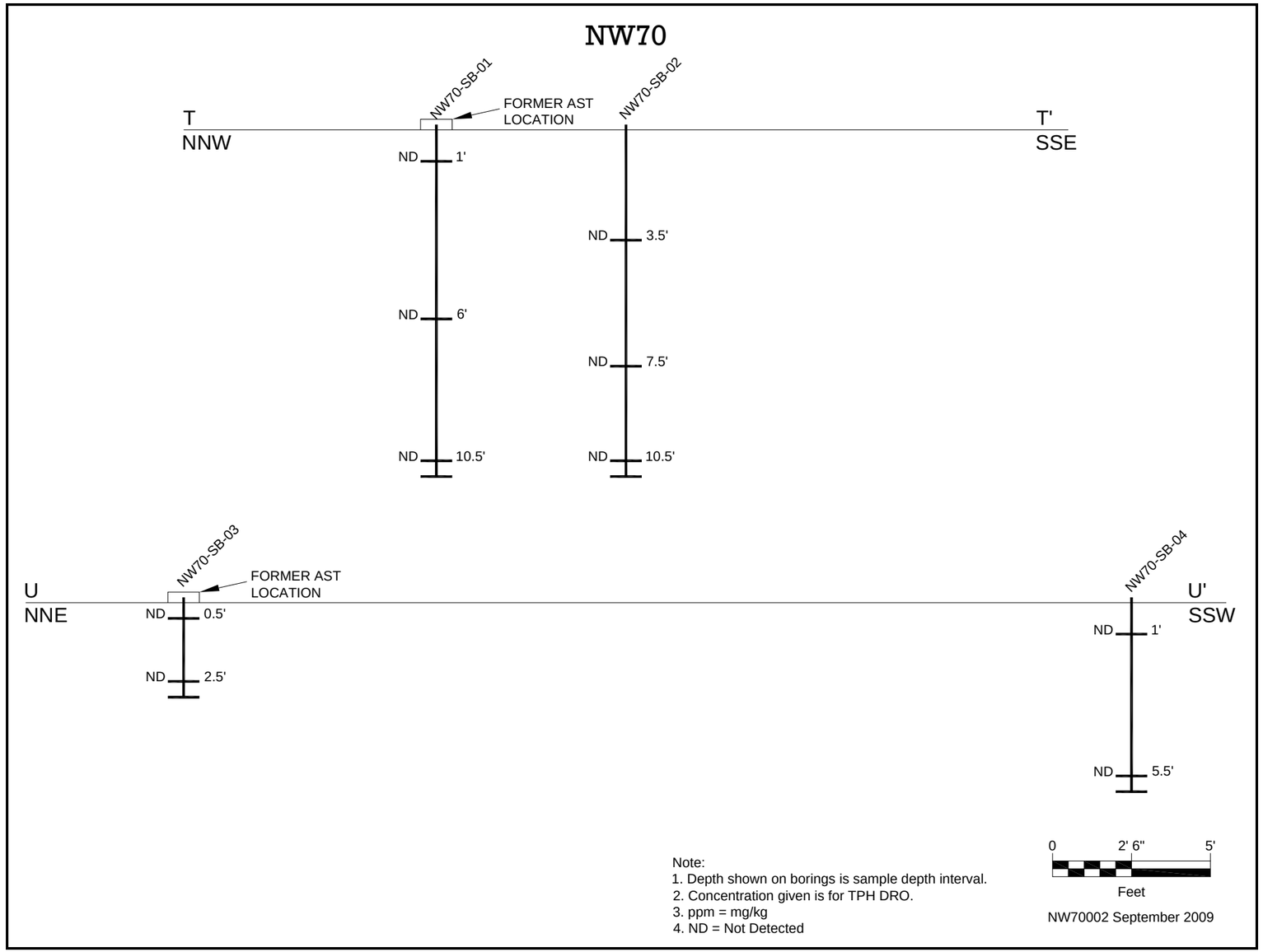

FIGURE 31. NW-70 SITE CROSS-SECTIONS SHOWING SAMPLE CONCENTRATIONS.

5.0 NO FURTHER ACTION PROPOSAL

5.1 Rationale

Personnel have removed the majority of diesel-contaminated soil resulting from the AST and associated piping at the Cowan, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch, Atom, and Denver sites. Confirmation samples taken from excavation sidewalls and bases have demonstrated that no soil contaminated above the clean-up goal of 520 mg/kg TPH DRO remains at the sites. This clean-up goal is based on the November 2005 NMED TPH Screening Guideline for an unknown oil under the most conservative exposure scenario (residential) and is protective of human health. No VOCs or SVOCs of concern were detected. All VOC and SVOC results were either non-detect (below laboratory reporting limits) or well below November 2005 NMED Soil Screening Levels. WSMR has removed contaminated soil to proper disposal at an offsite permitted facility and replaced the sites with clean backfill material. Contaminated material and contaminant sources have been removed from the sites and do not pose a risk to potential receptors.

5.2 Criterion

The criterion applied to this site is **NFA Criterion 5** as described by the NMED:

The SWMU has been characterized [and] remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.

6.0 CONCLUSION

Researchers determined during a preliminary investigation conducted in May 2003 that WSMR sites; Cowan, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch, and Atom had diesel contamination above NMED TPH Screening Guidelines for the residential exposure scenario. As a proactive approach, WSMR conducted a ACA at each site which entailed excavation of contaminated soil above November 2005 NMED TPH Screening Guidelines and disposed of those soils at a permitted disposal facility off-site. Results of confirmation samples collected at the base and sidewall of each excavation indicate the bulk of diesel contamination has been removed and that no NMED Residential Soil Screening Levels were exceeded by remaining materials. Additionally, WSMR conducted continued excavation at Denver Site (SWMU 166). Crews removed and disposed of remaining contaminated soil from Denver Site. WSMR asserts that contaminated material and contaminant sources have been removed from these sites and they do not pose a risk to potential receptors. Based on results of this ACA, WSMR asserts that these sites should be eligible for No Further Action. Table 41 summarizes results of this ACA.

TABLE 41. SUMMARY OF ACA.

SWMU	CCWS	Site Name	Estimated Required Excavation (cubic yards)	Actual Excavation (cubic yards)	Confirmation Results	NFA Proposal
166	N/A	Denver Site	400	660	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 166 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
199	27	Hardin Ranch-01	120	220	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMUs 199-200 have been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
200	27	Hardin Ranch-02				
201	42	Ram Site	No Excavation Required	No Excavation Required	Sample results from the preliminary investigation indicate no contamination on site above NMED TPH Screening Guidelines or Residential Soil Screening Levels.	SWMU 201 has been characterized in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
202	43	Dead Horse Site	No Excavation Required	No Excavation Required	Sample results from the preliminary investigation indicate no contamination on site above NMED TPH Screening Guidelines or Residential Soil Screening Levels.	SWMU 202 has been characterized in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
203	29	ORC Commo Site	30	80	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 203 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
204	30	Harriett Site	110	92	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 204 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
205	31	SE-70 Site	80	200	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 205 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
206	32	Atom-01 Site	No Excavation Required	No Excavation Required	Sample results from the preliminary investigation indicate no contamination on site above NMED TPH Screening Guidelines or Residential Soil Screening Levels.	SWMU 206 has been characterized in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.

TABLE 41. SUMMARY OF ACA.

SWMU	CCWS	Site Name	Estimated Required Excavation (cubic yards)	Actual Excavation (cubic yards)	Confirmation Results	NFA Proposal
207	32	Atom-02 Site	110	600	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 207 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
208	34	SE-50 Site	60	160	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 208 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
209	35	EC-50 Site	280	880	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 209 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
210	36	Minnow Site	No Excavation Required	No Excavation Required	Sample results from the preliminary investigation indicate no contamination on site above NMED TPH Screening Guidelines or Residential Soil Screening Levels.	SWMU 210 has been characterized in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
211	37	Cowan Site	55	80	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 211 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
212	53	NW-70	No Excavation Required	No Excavation Required	Sample results from the preliminary investigation indicate no contamination on site above NMED TPH Screening Guidelines or Residential Soil Screening Levels.	SWMU 212 has been characterized in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
213	38	Gran Jean Site	510	820	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 213 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
214	39	NE-50 Site	55	80	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 214 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.

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ATTACHMENT 1

Table 1D. RFI Data Denver Site (Detects)

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Arsenic	1		mg/Kg	3.59
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Barium	56.5		mg/Kg	15,600
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	3/7/2002	bis(2-Ethylhexyl)phthalate	2800	B	µg/Kg	2.80E+05
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Cadmium	0.1	B	mg/Kg	77.9
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Chromium	3.7		mg/Kg	280*
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Lead	3		mg/Kg	400
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	3/6/2002	Methylene chloride	2	BJ	µg/Kg	1.99E+05
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	3/7/2002	Pentachlorophenol	330	J	µg/Kg	2.07E+04
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Selenium	0.54	B	mg/Kg	391
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	3/6/2002	Acetone	12	J	µg/Kg	6.75E+07
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	4/4/2002	Arsenic	0.59	B	mg/Kg	3.59
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	4/4/2002	Barium	39.6		mg/Kg	15,600
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	3/7/2002	bis(2-Ethylhexyl)phthalate	390	BJ	µg/Kg	2.80E+05
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	4/4/2002	Cadmium	0.05	B	mg/Kg	77.9
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	4/4/2002	Chromium	2		mg/Kg	280*
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	4/4/2002	Lead	1.4		mg/Kg	400
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	3/6/2002	Methylene chloride	3	BJ	µg/Kg	1.99E+05
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Arsenic	0.97		mg/Kg	3.59
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Barium	87.8		mg/Kg	15,600
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	3/7/2002	bis(2-Ethylhexyl)phthalate	370	BJ	µg/Kg	2.80E+05
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Cadmium	0.07	B	mg/Kg	77.9
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Chromium	4.7		mg/Kg	280*
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Lead	3.1		mg/Kg	400
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	3/6/2002	Methylene chloride	2	BJ	µg/Kg	1.99E+05
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Selenium	0.35	B	mg/Kg	391
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	4/4/2002	Arsenic	2.2		mg/Kg	3.59
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	4/4/2002	Barium	92.1		mg/Kg	15,600
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	4/4/2002	Chromium	13.9		mg/Kg	280*
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	3/7/2002	Di-n-butylphthalate	100	J	µg/Kg	6.11E+06
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	4/4/2002	Lead	8.4		mg/Kg	400
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	3/6/2002	Methylene chloride	3	BJ	µg/Kg	1.99E+05
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	4/4/2002	Selenium	0.74	B	mg/Kg	391
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	4/4/2002	Arsenic	1.3		mg/Kg	3.59

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	4/4/2002	Barium	81.3		mg/Kg	15,600
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	3/7/2002	bis(2-Ethylhexyl)phthalate	92	BJ	µg/Kg	2.80E+05
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	4/4/2002	Cadmium	0.23	B	mg/Kg	77.9
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	4/4/2002	Chromium	11.4		mg/Kg	280*
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	4/4/2002	Lead	6.3		mg/Kg	400
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	3/12/2002	Mercury	0.04	B	mg/Kg	7.71
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	3/6/2002	Methylene chloride	5	B	µg/Kg	1.99E+05
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	3/7/2002	Acetone	12	J	µg/Kg	6.75E+07
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Arsenic	0.61	B	mg/Kg	3.59
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Barium	84.3		mg/Kg	15,600
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Cadmium	0.17	B	mg/Kg	77.9
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Chromium	4.9		mg/Kg	280*
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Lead	3.5		mg/Kg	400
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	3/12/2002	Mercury	0.05	B	mg/Kg	7.71
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	3/7/2002	Methylene chloride	5		µg/Kg	1.99E+05
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Selenium	0.88	B	mg/Kg	391
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Arsenic	0.79	B	mg/Kg	3.59
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Barium	46.6		mg/Kg	15,600
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	bis(2-Ethylhexyl)phthalate	91	BJ	µg/Kg	2.80E+05
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Cadmium	0.1	B	mg/Kg	77.9
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Chromium	2.9		mg/Kg	280*
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	Chrysene	230	J	µg/Kg	4.81E+05
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/11/2002	Diesel (C12-C24)	13000	D	mg/Kg	520**
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	Fluoranthene	470		µg/Kg	2.29E+06
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Lead	3		mg/Kg	400
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/12/2002	Mercury	0.04	B	mg/Kg	7.71
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	Methylene chloride	72	B	µg/Kg	1.99E+05
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	Phenanthrene	1900		µg/Kg	1.83E+06
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	Pyrene	830		µg/Kg	1.72E+06
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Selenium	0.37	B	mg/Kg	391
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	2-Methylnaphthalene	7900	E	µg/Kg	NE
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	2-Methylnaphthalene	8900	D	µg/Kg	NE
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Acenaphthene	3900		µg/Kg	3.44E+06

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Arsenic	0.64	B	mg/Kg	3.59
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Barium	37.1		mg/Kg	15,600
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Benzo[a]anthracene	320	J	µg/Kg	4,810
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Benzo[a]anthracene	320	JD	µg/Kg	4,810
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	bis(2-Ethylhexyl)phthalate	460	B	µg/Kg	2.80E+05
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	bis(2-Ethylhexyl)phthalate	480	JBD	µg/Kg	2.80E+05
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Cadmium	0.07	B	mg/Kg	77.9
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Chromium	2		mg/Kg	280*
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Chrysene	260	J	µg/Kg	4.81E+05
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Chrysene	280	JD	µg/Kg	4.81E+05
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Dibenzofuran	2300		µg/Kg	NE
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Dibenzofuran	2700	D	µg/Kg	NE
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/11/2002	Diesel (C12-C24)	28000	D	mg/Kg	520**
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Fluoranthene	780		µg/Kg	2.29E+06
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Fluoranthene	870	D	µg/Kg	2.29E+06
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Fluorene	4500		µg/Kg	2.29E+06
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Lead	1.4		mg/Kg	400
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/12/2002	Mercury	0.02	B	mg/Kg	7.71
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/8/2002	Methylene chloride	51	B	µg/Kg	1.99E+05
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Naphthalene	1200		µg/Kg	4.50E+04
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Naphthalene	1100	D	µg/Kg	4.50E+04
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Phenanthrene	8800	E	µg/Kg	1.83E+06
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Phenanthrene	12000	D	µg/Kg	1.83E+06
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Pyrene	920		µg/Kg	1.72E+06
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Pyrene	1300	D	µg/Kg	1.72E+06
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Selenium	0.32	B	mg/Kg	391
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Arsenic	0.91	B	mg/Kg	3.59
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Barium	91.6		mg/Kg	15,600
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	3/7/2002	bis(2-Ethylhexyl)phthalate	200	BJ	µg/Kg	2.80E+05
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Cadmium	0.08	B	mg/Kg	77.9
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Chromium	4.8		mg/Kg	280*
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Lead	3.4		mg/Kg	400
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	3/12/2002	Mercury	0.03	B	mg/Kg	7.71

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	3/7/2002	Methylene chloride	2	J	µg/Kg	1.99E+05
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Selenium	0.44	B	mg/Kg	391
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Arsenic	2.3		mg/Kg	3.59
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Barium	145		mg/Kg	15,600
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	3/7/2002	bis(2-Ethylhexyl)phthalate	270	BJ	µg/Kg	2.80E+05
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Cadmium	0.19	B	mg/Kg	77.9
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Chromium	14.8		mg/Kg	280*
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Lead	8.9		mg/Kg	400
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	3/12/2002	Mercury	0.03	B	mg/Kg	7.71
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	3/7/2002	Methylene chloride	7		µg/Kg	1.99E+05
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Selenium	0.56	B	mg/Kg	391
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Arsenic	0.9	B	mg/Kg	3.59
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Barium	66.1		mg/Kg	15,600
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	3/7/2002	bis(2-Ethylhexyl)phthalate	210	BJ	µg/Kg	2.80E+05
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Cadmium	0.18	B	mg/Kg	77.9
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Chromium	7.7		mg/Kg	280*
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Lead	4.1		mg/Kg	400
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	3/12/2002	Mercury	0.02	B	mg/Kg	7.71
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	3/7/2002	Methylene chloride	5		µg/Kg	1.99E+05
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Selenium	0.39	B	mg/Kg	391
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	3/7/2002	Acetone	12	J	µg/Kg	6.75E+07
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/4/2002	Arsenic	0.56	B	mg/Kg	3.59
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/4/2002	Barium	76.4		mg/Kg	15,600
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	3/7/2002	bis(2-Ethylhexyl)phthalate	100	BJ	µg/Kg	2.80E+05
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/4/2002	Cadmium	0.24	B	mg/Kg	77.9
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/4/2002	Chromium	3.5		mg/Kg	280*
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	3/7/2002	Di-n-butylphthalate	120	J	µg/Kg	6.11E+06
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/4/2002	Lead	2.4		mg/Kg	400
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	3/12/2002	Mercury	0.03	B	mg/Kg	7.71
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	3/7/2002	Methylene chloride	6		µg/Kg	1.99E+05
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/9/2002	Selenium	1.3		mg/Kg	391
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Arsenic	1.6		mg/Kg	3.59
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Barium	99.4		mg/Kg	15,600

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	3/7/2002	bis(2-Ethylhexyl)phthalate	230	BJ	µg/Kg	2.80E+05
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Cadmium	0.18	B	mg/Kg	77.9
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Chromium	8.4		mg/Kg	280*
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Lead	5.4		mg/Kg	400
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	3/7/2002	Methylene chloride	3	J	µg/Kg	1.99E+05
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Selenium	0.32	B	mg/Kg	391
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	4/4/2002	Barium	29.4		mg/Kg	15,600
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	3/8/2002	bis(2-Ethylhexyl)phthalate	250	BJ	µg/Kg	2.80E+05
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	4/4/2002	Chromium	1.5		mg/Kg	280*
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	4/4/2002	Lead	1.2		mg/Kg	400
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	3/7/2002	Methylene chloride	4	J	µg/Kg	1.99E+05
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	4/4/2002	Selenium	0.4	B	mg/Kg	391
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	4/5/2002	Barium	70.9		mg/Kg	15,600
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	3/8/2002	Benzoic acid	440	J	µg/Kg	2.40E+08
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	3/8/2002	bis(2-Ethylhexyl)phthalate	180	BJ	µg/Kg	2.80E+05
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	4/5/2002	Cadmium	0.08	B	mg/Kg	77.9
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	4/5/2002	Chromium	3.8		mg/Kg	280*
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	4/5/2002	Lead	2.4		mg/Kg	400
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	3/7/2002	Methylene chloride	3	J	µg/Kg	1.99E+05
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	3/7/2002	Acetone	11	J	µg/Kg	6.75E+07
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/9/2002	Arsenic	1.7		mg/Kg	3.59
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/5/2002	Barium	84.8		mg/Kg	15,600
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/5/2002	Cadmium	0.11	B	mg/Kg	77.9
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/5/2002	Chromium	12.9		mg/Kg	280*
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/5/2002	Lead	7.9		mg/Kg	400
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	3/7/2002	Methylene chloride	3	J	µg/Kg	1.99E+05
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/5/2002	Selenium	0.62	B	mg/Kg	391
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Arsenic	0.77	B	mg/Kg	3.59
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Barium	49.3		mg/Kg	15,600

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	3/8/2002	bis(2-Ethylhexyl)phthalate	230	BJ	µg/Kg	2.80E+05
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Cadmium	0.15	B	mg/Kg	77.9
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Chromium	6.1		mg/Kg	280*
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Lead	3.6		mg/Kg	400
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	3/7/2002	Methylene chloride	4		µg/Kg	1.99E+05
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Selenium	0.77	B	mg/Kg	391
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	4/5/2002	Barium	70		mg/Kg	15,600
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	4/5/2002	Cadmium	0.26	B	mg/Kg	77.9
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	4/5/2002	Chromium	3.4		mg/Kg	280*
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	3/8/2002	Di-n-butylphthalate	130	J	µg/Kg	6.11E+06
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	4/5/2002	Lead	2.2		mg/Kg	400
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	3/7/2002	Methylene chloride	4	J	µg/Kg	1.99E+05
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	4/5/2002	Selenium	0.48	B	mg/Kg	391
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Arsenic	0.97		mg/Kg	3.59
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Barium	52.6		mg/Kg	15,600
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Cadmium	0.18	B	mg/Kg	77.9
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Chromium	3.6		mg/Kg	280*
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Lead	5.6		mg/Kg	400
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	3/5/2002	Methylene chloride	3	J	µg/Kg	1.99E+05
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Selenium	0.44	B	mg/Kg	391
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	3/5/2002	Acetone	10	J	µg/Kg	6.75E+07
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	4/4/2002	Barium	42.4		mg/Kg	15,600
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	3/7/2002	bis(2-Ethylhexyl)phthalate	210	J	µg/Kg	2.80E+05
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	4/4/2002	Cadmium	0.06	B	mg/Kg	77.9
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	4/4/2002	Chromium	2		mg/Kg	280*
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	4/4/2002	Lead	1.5		mg/Kg	400
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	3/5/2002	Methylene chloride	3	J	µg/Kg	1.99E+05
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	4/4/2002	Arsenic	0.58	B	mg/Kg	3.59
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	4/4/2002	Barium	87.7		mg/Kg	15,600
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	3/7/2002	Benzoic acid	390	J	µg/Kg	2.40E+08
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	3/7/2002	bis(2-Ethylhexyl)phthalate	89	J	µg/Kg	2.80E+05

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	4/4/2002	Cadmium	0.05	B	mg/Kg	77.9
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	4/4/2002	Chromium	4.4		mg/Kg	280*
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	4/4/2002	Lead	3		mg/Kg	400
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	3/5/2002	Methylene chloride	2	J	µg/Kg	1.99E+05
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	3/5/2002	Acetone	58		µg/Kg	6.75E+07
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	4/4/2002	Arsenic	1.7		mg/Kg	3.59
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	4/4/2002	Barium	146		mg/Kg	15,600
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	3/7/2002	bis(2-Ethylhexyl)phthalate	130	J	µg/Kg	2.80E+05
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	4/4/2002	Chromium	15.4		mg/Kg	280*
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	4/4/2002	Lead	9.1		mg/Kg	400
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	3/5/2002	Methylene chloride	4		µg/Kg	1.99E+05
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	4/4/2002	Selenium	0.84	B	mg/Kg	391
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	3/5/2002	Acetone	86		µg/Kg	6.75E+07
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	4/4/2002	Arsenic	0.71	B	mg/Kg	3.59
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	4/4/2002	Barium	65.1		mg/Kg	15,600
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	4/4/2002	Cadmium	0.1	B	mg/Kg	77.9
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	4/4/2002	Chromium	7.4		mg/Kg	280*
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	4/4/2002	Lead	4.2		mg/Kg	400
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	3/5/2002	Methylene chloride	4		µg/Kg	1.99E+05
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	3/5/2002	Acetone	17		µg/Kg	6.75E+07
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	4/4/2002	Arsenic	0.56	B	mg/Kg	3.59
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	4/4/2002	Barium	107		mg/Kg	15,600
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	4/4/2002	Cadmium	0.19	B	mg/Kg	77.9
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	4/4/2002	Chromium	4.1		mg/Kg	280*
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	4/4/2002	Lead	3.1		mg/Kg	400
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	3/5/2002	Methylene chloride	4		µg/Kg	1.99E+05
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	4/4/2002	Arsenic	0.76	B	mg/Kg	3.59
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	4/4/2002	Barium	36.8		mg/Kg	15,600
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	4/4/2002	Cadmium	0.08	B	mg/Kg	77.9
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	4/4/2002	Chromium	2		mg/Kg	280*
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	4/4/2002	Lead	1.3		mg/Kg	400
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	3/5/2002	Methylene chloride	5		µg/Kg	1.99E+05
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	4/4/2002	Arsenic	0.61	B	mg/Kg	3.59

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	4/4/2002	Barium	37.3		mg/Kg	15,600
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	3/8/2002	bis(2-Ethylhexyl)phthalate	260	J	µg/Kg	2.80E+05
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	4/4/2002	Chromium	1.8		mg/Kg	280*
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	4/4/2002	Lead	1.2		mg/Kg	400
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	3/6/2002	Methylene chloride	3	BJ	µg/Kg	1.99E+05
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	4/4/2002	Selenium	0.35	B	mg/Kg	391
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	4/4/2002	Arsenic	1		mg/Kg	3.59
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	4/4/2002	Barium	98.3		mg/Kg	15,600
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	3/8/2002	bis(2-Ethylhexyl)phthalate	170	J	µg/Kg	2.80E+05
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	4/4/2002	Chromium	5.2		mg/Kg	280*
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	4/4/2002	Lead	3.8		mg/Kg	400
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	3/6/2002	Methylene chloride	3	BJ	µg/Kg	1.99E+05
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	4/4/2002	Selenium	0.59	B	mg/Kg	391
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	4/4/2002	Arsenic	1.9		mg/Kg	3.59
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	4/4/2002	Barium	117		mg/Kg	15,600
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	3/8/2002	bis(2-Ethylhexyl)phthalate	90	J	µg/Kg	2.80E+05
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	4/4/2002	Chromium	13.6		mg/Kg	280*
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	4/4/2002	Lead	7.8		mg/Kg	400
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	3/6/2002	Methylene chloride	4	JB	µg/Kg	1.99E+05
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	4/4/2002	Selenium	0.45	B	mg/Kg	391
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	4/4/2002	Arsenic	0.53	B	mg/Kg	3.59
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	4/4/2002	Barium	56.4		mg/Kg	15,600
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	4/4/2002	Cadmium	0.14	B	mg/Kg	77.9
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	4/4/2002	Chromium	5.8		mg/Kg	280*
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	4/4/2002	Lead	3.1		mg/Kg	400
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	3/6/2002	Methylene chloride	4	B	µg/Kg	1.99E+05
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	4/4/2002	Arsenic	0.48	B	mg/Kg	3.59
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	4/4/2002	Barium	108		mg/Kg	15,600
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	3/8/2002	bis(2-Ethylhexyl)phthalate	100	J	µg/Kg	2.80E+05
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	4/4/2002	Cadmium	0.16	B	mg/Kg	77.9
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	4/4/2002	Chromium	3.7		mg/Kg	280*
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	4/4/2002	Lead	2.5		mg/Kg	400
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	3/6/2002	Methylene chloride	4	B	µg/Kg	1.99E+05

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	4/4/2002	Selenium	0.32	B	mg/Kg	391
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	3/12/2002	Acetone	27		µg/Kg	6.75E+07
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Arsenic	0.65	B	mg/Kg	3.59
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Barium	34.3	N	mg/Kg	15,600
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Cadmium	0.1	B	mg/Kg	77.9
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Chromium	1.7		mg/Kg	280*
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Lead	1.7		mg/Kg	400
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	3/12/2002	Methylene chloride	5	B	µg/Kg	1.99E+05
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	3/11/2002	Pentachlorophenol	300	J	µg/Kg	2.07E+04
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Selenium	0.44	B	mg/Kg	391
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Arsenic	1.2		mg/Kg	3.59
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Barium	22.8	N	mg/Kg	15,600
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Cadmium	0.07	B	mg/Kg	77.9
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Chromium	1.3		mg/Kg	280*
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Lead	1.1		mg/Kg	400
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	3/12/2002	Methylene chloride	6	B	µg/Kg	1.99E+05
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Selenium	0.38	B	mg/Kg	391
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	3/12/2002	Acetone	16		µg/Kg	6.75E+07
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	4/3/2002	Barium	16	BN	mg/Kg	15,600
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	4/3/2002	Cadmium	0.07	B	mg/Kg	77.9
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	4/3/2002	Chromium	0.61	B	mg/Kg	280*
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	3/12/2002	Diesel (C12-C24)	87		mg/Kg	520**
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	4/3/2002	Lead	0.44	B	mg/Kg	400
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	3/12/2002	Methylene chloride	6	B	µg/Kg	1.99E+05
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	4/3/2002	Selenium	0.42	B	mg/Kg	391
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	4/3/2002	Arsenic	0.76	B	mg/Kg	3.59
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	4/3/2002	Barium	112	N	mg/Kg	15,600
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	4/3/2002	Chromium	6.6		mg/Kg	280*
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	4/3/2002	Lead	3.9		mg/Kg	400
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	3/13/2002	Methylene chloride	7	B	µg/Kg	1.99E+05
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	4/3/2002	Selenium	0.57	B	mg/Kg	391
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	4/3/2002	Arsenic	0.85	B	mg/Kg	3.59
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	4/3/2002	Barium	98.9	N	mg/Kg	15,600

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	4/3/2002	Cadmium	0.15	B	mg/Kg	77.9
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	4/3/2002	Chromium	6.9		mg/Kg	280*
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	4/3/2002	Lead	4.3		mg/Kg	400
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	3/13/2002	Methylene chloride	7	B	µg/Kg	1.99E+05
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	1,2,4-Trimethylbenzene	210		µg/Kg	67000*
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	1,3,5-Trimethylbenzene	54		µg/Kg	47,000*
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/11/2002	2-Methylnaphthalene	2800		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	4-Isopropyltoluene	26		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	4/4/2002	Arsenic	0.94	B	mg/Kg	3.59
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	4/4/2002	Barium	80.1	N	mg/Kg	15,600
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	4/4/2002	Cadmium	0.13	B	mg/Kg	77.9
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	4/4/2002	Chromium	5.9		mg/Kg	280*
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/11/2002	Dibenzofuran	520		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Diesel (C12-C24)	1800	D	mg/Kg	520**
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Ethylbenzene	32		µg/Kg	6.96E+04
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/11/2002	Fluorene	590		µg/Kg	2.29E+06
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Isopropylbenzene	18		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	4/4/2002	Lead	3.4		mg/Kg	400
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Methylene chloride	12	B	µg/Kg	1.99E+05
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/11/2002	Naphthalene	480		µg/Kg	4.50E+04
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	n-Propylbenzene	36		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/11/2002	Phenanthrene	1200		µg/Kg	1.83E+06
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	sec-Butylbenzene	30		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Toluene	15		µg/Kg	5.57E+06
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Xylene (total)	130		µg/Kg	1.09E+06
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Arsenic	0.7	B	mg/Kg	3.59
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Barium	34.1	N	mg/Kg	15,600
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Cadmium	0.09	B	mg/Kg	77.9
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Chromium	1.9		mg/Kg	280*
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Lead	1.2		mg/Kg	400
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	3/13/2002	Mercury	0.07		mg/Kg	7.71
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	3/13/2002	Methylene chloride	21	B	µg/Kg	1.99E+05
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Selenium	0.25	B	mg/Kg	391

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Arsenic	0.47	B	mg/Kg	3.59
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Barium	18.1	BN	mg/Kg	15,600
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Cadmium	0.07	B	mg/Kg	77.9
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Chromium	0.73	B	mg/Kg	280*
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Lead	0.44	B	mg/Kg	400
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	3/13/2002	Methylene chloride	8	B	µg/Kg	1.99E+05
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Selenium	0.28	B	mg/Kg	391
31010-SB23-(9.0-11.0)	SB23	09.0-11.0	4/4/2002	Barium	12	BN	mg/Kg	15,600
31010-SB23-(9.0-11.0)	SB23	09.0-11.0	4/4/2002	Chromium	0.34	B	mg/Kg	280*
31010-SB23-(9.0-11.0)	SB23	09.0-11.0	4/4/2002	Lead	0.31	B	mg/Kg	400
31010-SB23-(9.0-11.0)	SB23	09.0-11.0	3/13/2002	Methylene chloride	6	B	µg/Kg	1.99E+05
31010-SB23-(9.0-11.0)	SB23	09.0-11.0	4/4/2002	Selenium	0.36	B	mg/Kg	391
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	4/4/2002	Arsenic	1.5		mg/Kg	3.59
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	4/4/2002	Barium	107	N	mg/Kg	15,600
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	4/4/2002	Chromium	8.1		mg/Kg	280*
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	4/4/2002	Lead	5.1		mg/Kg	400
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	3/13/2002	Methylene chloride	20	B	µg/Kg	1.99E+05
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	4/4/2002	Selenium	1.7		mg/Kg	391
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Arsenic	1.3		mg/Kg	3.59
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Barium	109	N	mg/Kg	15,600
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Cadmium	0.21	B	mg/Kg	77.9
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Chromium	9.8		mg/Kg	280*
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Lead	5.3		mg/Kg	400
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	3/13/2002	Methylene chloride	8	B	µg/Kg	1.99E+05
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Selenium	0.54	B	mg/Kg	391
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	1,2,4-Trimethylbenzene	770		µg/Kg	67000*
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	1,3,5-Trimethylbenzene	180		µg/Kg	47,000*
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	2-Methylnaphthalene	6100		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	4-Isopropyltoluene	90		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	Acenaphthene	390	J	µg/Kg	3.44E+06
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Arsenic	0.97	B	mg/Kg	3.59
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Barium	65	N	mg/Kg	15,600
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Cadmium	0.13	B	mg/Kg	77.9

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Chromium	8.8		mg/Kg	280*
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	Dibenzofuran	1000		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	Diesel (C12-C24)	2100	D	mg/Kg	520**
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	Ethylbenzene	66		µg/Kg	6.96E+04
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	Fluorene	1100		µg/Kg	2.29E+06
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	Isopropylbenzene	50		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Lead	4.7		mg/Kg	400
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	Methylene chloride	25	BJ	µg/Kg	1.99E+05
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	Naphthalene	1400		µg/Kg	4.50E+04
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	n-Propylbenzene	120		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	Phenanthrene	2400		µg/Kg	1.83E+06
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	sec-Butylbenzene	100		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Selenium	0.45	B	mg/Kg	391
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	Xylene (total)	320		µg/Kg	1.09E+06
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Arsenic	0.9	B	mg/Kg	3.59
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Barium	34.9		mg/Kg	15,600
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Cadmium	1.1		mg/Kg	77.9
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Chromium	1.7		mg/Kg	280*
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	3/13/2002	Diesel (C12-C24)	2100	D	mg/Kg	520**
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Lead	2.4		mg/Kg	400
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	3/13/2002	Mercury	0.01	B*	mg/Kg	7.71
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	3/8/2002	Methylene chloride	13	B	µg/Kg	1.99E+05
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Selenium	0.58	B	mg/Kg	391
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	1,2,4-Trimethylbenzene	1300		µg/Kg	67000*
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	1,3,5-Trimethylbenzene	710		µg/Kg	47,000*
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	2-Methylnaphthalene	7700	E	µg/Kg	NE
31010-SB24-(4.0-6.0)DL	SB24	04.0-6.0	3/12/2002	2-Methylnaphthalene	7600	D	µg/Kg	NE
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	4-Isopropyltoluene	250		µg/Kg	NE
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	4/5/2002	Barium	15.4	B	mg/Kg	15,600
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	4/5/2002	Cadmium	0.1	B	mg/Kg	77.9
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	4/5/2002	Chromium	0.76	B	mg/Kg	280*
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	Dibenzofuran	1300		µg/Kg	NE
31010-SB24-(4.0-6.0)DL	SB24	04.0-6.0	3/12/2002	Dibenzofuran	1300	D	µg/Kg	NE

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/14/2002	Diesel (C12-C24)	13000	D	mg/Kg	520**
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	Di-n-butylphthalate	260	J	µg/Kg	6.11E+06
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	Ethylbenzene	14	J	µg/Kg	6.96E+04
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	Fluorene	2500		µg/Kg	2.29E+06
31010-SB24-(4.0-6.0)DL	SB24	04.0-6.0	3/12/2002	Fluorene	2800	D	µg/Kg	2.29E+06
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	4/5/2002	Lead	0.67	B	mg/Kg	400
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/13/2002	Mercury	0.09	*	mg/Kg	7.71
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	Methylene chloride	69	B	µg/Kg	1.99E+05
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	Naphthalene	1300		µg/Kg	4.50E+04
31010-SB24-(4.0-6.0)DL	SB24	04.0-6.0	3/12/2002	Naphthalene	1200	D	µg/Kg	4.50E+04
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	Phenanthrene	4700		µg/Kg	1.83E+06
31010-SB24-(4.0-6.0)DL	SB24	04.0-6.0	3/12/2002	Phenanthrene	4100	D	µg/Kg	1.83E+06
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	Xylene (total)	250		µg/Kg	1.09E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	1,2,4-Trimethylbenzene	5500	E	µg/Kg	67000*
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	1,2,4-Trimethylbenzene	8400	D	µg/Kg	67000*
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	1,3,5-Trimethylbenzene	2500		µg/Kg	47,000*
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	1,3,5-Trimethylbenzene	3400	D	µg/Kg	47,000*
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	2-Methylnaphthalene	33000	E	µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/12/2002	2-Methylnaphthalene	21000	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	4-Isopropyltoluene	930		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	4-Isopropyltoluene	2100	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	4/5/2002	Barium	33.1		mg/Kg	15,600
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	bis(2-Ethylhexyl)phthalate	120	J	µg/Kg	2.80E+05
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	4/5/2002	Cadmium	0.14	B	mg/Kg	77.9
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	4/5/2002	Chromium	1.2		mg/Kg	280*
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Chrysene	100	J	µg/Kg	4.81E+05
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Dibenzofuran	3700		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/12/2002	Dibenzofuran	5000	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/14/2002	Diesel (C12-C24)	30000	D	mg/Kg	520**
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	Ethylbenzene	270		µg/Kg	6.96E+04
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	Ethylbenzene	270	JD	µg/Kg	6.96E+04
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Fluoranthene	230	J	µg/Kg	2.29E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Fluorene	7000	E	µg/Kg	2.29E+06

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/12/2002	Fluorene	9300	D	µg/Kg	2.29E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	Isopropylbenzene	340		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	Isopropylbenzene	450	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	4/5/2002	Lead	1.3		mg/Kg	400
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/13/2002	Mercury	0.24	*	mg/Kg	7.71
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	Methylene chloride	70	B	µg/Kg	1.99E+05
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Naphthalene	6400		µg/Kg	4.50E+04
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/12/2002	Naphthalene	3800	JD	µg/Kg	4.50E+04
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	n-Butylbenzene	1900		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	n-Butylbenzene	3500	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	n-Propylbenzene	830		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	n-Propylbenzene	940	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Phenanthrene	9600	E	µg/Kg	1.83E+06
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/12/2002	Phenanthrene	11000	D	µg/Kg	1.83E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Pyrene	190	J	µg/Kg	1.72E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	sec-Butylbenzene	1100		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	sec-Butylbenzene	2200	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	4/5/2002	Selenium	0.4	B	mg/Kg	391
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	Toluene	120		µg/Kg	5.57E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	Xylene (total)	2700		µg/Kg	1.09E+06
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	Xylene (total)	2600	D	µg/Kg	1.09E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	1,2,4-Trimethylbenzene	6900	E	µg/Kg	67000*
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	1,2,4-Trimethylbenzene	7800	D	µg/Kg	67000*
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	1,3,5-Trimethylbenzene	2400	E	µg/Kg	47,000*
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	1,3,5-Trimethylbenzene	2100	D	µg/Kg	47,000*
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	2-Methylnaphthalene	20000	E	µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/12/2002	2-Methylnaphthalene	15000	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	4-Isopropyltoluene	700		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	4-Isopropyltoluene	1000	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/9/2002	Arsenic	1.2		mg/Kg	3.59
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/5/2002	Barium	93.2		mg/Kg	15,600
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/5/2002	Cadmium	0.12	B	mg/Kg	77.9
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/5/2002	Chromium	8.7		mg/Kg	280*

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Dibenzofuran	2900		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/12/2002	Dibenzofuran	3900	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/14/2002	Diesel (C12-C24)	18000	D	mg/Kg	520**
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	Ethylbenzene	410		µg/Kg	6.96E+04
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	Ethylbenzene	300	JD	µg/Kg	6.96E+04
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Fluoranthene	160	J	µg/Kg	2.29E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Fluorene	4700		µg/Kg	2.29E+06
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/12/2002	Fluorene	5700	D	µg/Kg	2.29E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	Isopropylbenzene	420		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	Isopropylbenzene	400	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/5/2002	Lead	4.8		mg/Kg	400
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/13/2002	Mercury	0.02	B*	mg/Kg	7.71
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	Methylene chloride	54	B	µg/Kg	1.99E+05
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Naphthalene	3300		µg/Kg	4.50E+04
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/12/2002	Naphthalene	2200	D	µg/Kg	4.50E+04
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	n-Butylbenzene	1200		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	n-Butylbenzene	1300	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	n-Propylbenzene	900		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	n-Propylbenzene	720	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Phenanthrene	8600	E	µg/Kg	1.83E+06
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/12/2002	Phenanthrene	8400	D	µg/Kg	1.83E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Pyrene	310	J	µg/Kg	1.72E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	sec-Butylbenzene	980		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	sec-Butylbenzene	1300	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/5/2002	Selenium	0.45	B	mg/Kg	391
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	Toluene	270		µg/Kg	5.57E+06
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	Toluene	210	JD	µg/Kg	5.57E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	Xylene (total)	3300		µg/Kg	1.09E+06
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	Xylene (total)	2400	D	µg/Kg	1.09E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	1,2,4-Trimethylbenzene	290		µg/Kg	67000*
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	1,3,5-Trimethylbenzene	330		µg/Kg	47,000*
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	2-Methylnaphthalene	7700	E	µg/Kg	NE
31010-SB24-(19.0-21.0)DL	SB24	19.0-21.0	3/12/2002	2-Methylnaphthalene	9200	D	µg/Kg	NE

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	4-Isopropyltoluene	710		µg/Kg	NE
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/10/2002	Arsenic	1.3		mg/Kg	3.59
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/5/2002	Barium	106		mg/Kg	15,600
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/5/2002	Cadmium	0.3	B	mg/Kg	77.9
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/5/2002	Chromium	11.4		mg/Kg	280*
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Dibenzofuran	1700		µg/Kg	NE
31010-SB24-(19.0-21.0)DL	SB24	19.0-21.0	3/12/2002	Dibenzofuran	1900	D	µg/Kg	NE
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/14/2002	Diesel (C12-C24)	11000	D	mg/Kg	520**
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Ethylbenzene	110		µg/Kg	6.96E+04
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Fluoranthene	100	J	µg/Kg	2.29E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Fluorene	2800		µg/Kg	2.29E+06
31010-SB24-(19.0-21.0)DL	SB24	19.0-21.0	3/12/2002	Fluorene	3500	D	µg/Kg	2.29E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Isopropylbenzene	84		µg/Kg	NE
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/5/2002	Lead	6.9		mg/Kg	400
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/13/2002	Mercury	0.2	*	mg/Kg	7.71
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Methylene chloride	51	B	µg/Kg	1.99E+05
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Naphthalene	2100		µg/Kg	4.50E+04
31010-SB24-(19.0-21.0)DL	SB24	19.0-21.0	3/12/2002	Naphthalene	2500	D	µg/Kg	4.50E+04
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	n-Propylbenzene	220		µg/Kg	NE
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Phenanthrene	3600		µg/Kg	1.83E+06
31010-SB24-(19.0-21.0)DL	SB24	19.0-21.0	3/12/2002	Phenanthrene	3600	D	µg/Kg	1.83E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Pyrene	140	J	µg/Kg	1.72E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	sec-Butylbenzene	810		µg/Kg	NE
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/5/2002	Selenium	0.55	B	mg/Kg	391
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Toluene	140		µg/Kg	5.57E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Xylene (total)	250		µg/Kg	1.09E+06
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	1,2,4-Trimethylbenzene	2800	E	µg/Kg	67000*
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	1,2,4-Trimethylbenzene	4300	D	µg/Kg	67000*
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	1,3,5-Trimethylbenzene	770		µg/Kg	47,000*
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	1,3,5-Trimethylbenzene	980	D	µg/Kg	47,000*
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	2-Methylnaphthalene	5700		µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	4-Isopropyltoluene	330		µg/Kg	NE
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	4-Isopropyltoluene	550	D	µg/Kg	NE

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	4/10/2002	Arsenic	1.2		mg/Kg	3.59
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	4/5/2002	Barium	75.9		mg/Kg	15,600
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	4/5/2002	Cadmium	0.34	B	mg/Kg	77.9
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	4/5/2002	Chromium	8.1		mg/Kg	280*
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	Dibenzofuran	1100		µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/14/2002	Diesel (C12-C24)	3200	D	mg/Kg	520**
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	Ethylbenzene	620		µg/Kg	6.96E+04
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	Ethylbenzene	720	D	µg/Kg	6.96E+04
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	Fluorene	1200		µg/Kg	2.29E+06
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	Isopropylbenzene	260		µg/Kg	NE
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	Isopropylbenzene	300	JD	µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	4/5/2002	Lead	5.5		mg/Kg	400
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	Methylene chloride	49	B	µg/Kg	1.99E+05
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	Naphthalene	1400		µg/Kg	4.50E+04
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	n-Butylbenzene	850		µg/Kg	NE
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	n-Butylbenzene	1200	D	µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	n-Propylbenzene	550		µg/Kg	NE
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	n-Propylbenzene	660	D	µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	Phenanthrene	2300		µg/Kg	1.83E+06
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	Pyrene	160	J	µg/Kg	1.72E+06
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	sec-Butylbenzene	410		µg/Kg	NE
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	sec-Butylbenzene	610	D	µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	Toluene	510		µg/Kg	5.57E+06
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	Toluene	590	D	µg/Kg	5.57E+06
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	Xylene (total)	2300		µg/Kg	1.09E+06
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	Xylene (total)	2500	D	µg/Kg	1.09E+06
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	4/10/2002	Arsenic	0.67	B	mg/Kg	3.59
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	4/5/2002	Barium	31.7		mg/Kg	15,600
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	3/11/2002	bis(2-Ethylhexyl)phthalate	120	J	µg/Kg	2.80E+05
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	4/5/2002	Cadmium	0.11	B	mg/Kg	77.9
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	4/5/2002	Chromium	2		mg/Kg	280*
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	3/11/2002	Chrysene	94	J	µg/Kg	4.81E+05
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	3/13/2002	Diesel (C12-C24)	3000	D	mg/Kg	520**

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	**Soil Boring**	**Depth**	**Date Analyzed**	**Analyte**	**Result**	**Flag**	**Units**	**NMED SSL**
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	4/5/2002	Lead	1.5		mg/Kg	400
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	3/8/2002	Methylene chloride	11	B	µg/Kg	1.99E+05
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	3/11/2002	Pyrene	190	J	µg/Kg	1.72E+06
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	1,2,4-Trimethylbenzene	3400	E	µg/Kg	67000*
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	1,2,4-Trimethylbenzene	3700	D	µg/Kg	67000*
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	1,3,5-Trimethylbenzene	1300		µg/Kg	47,000*
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	1,3,5-Trimethylbenzene	1200	D	µg/Kg	47,000*
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	2-Methylnaphthalene	34000	E	µg/Kg	NE
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/12/2002	2-Methylnaphthalene	22000	D	µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	4-Isopropyltoluene	580		µg/Kg	NE
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	4-Isopropyltoluene	810	D	µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Arsenic	0.58	B	mg/Kg	3.59
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Barium	27.2		mg/Kg	15,600
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	bis(2-Ethylhexyl)phthalate	150	J	µg/Kg	2.80E+05
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Cadmium	0.09	B	mg/Kg	77.9
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Chromium	1.5		mg/Kg	280*
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Chrysene	120	J	µg/Kg	4.81E+05
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Dibenzofuran	3500		µg/Kg	NE
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/12/2002	Dibenzofuran	4600	D	µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/14/2002	Diesel (C12-C24)	25000	D	mg/Kg	520**
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Ethylbenzene	110		µg/Kg	6.96E+04
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Fluoranthene	300	J	µg/Kg	2.29E+06
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Fluorene	5600		µg/Kg	2.29E+06
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/12/2002	Fluorene	6100	D	µg/Kg	2.29E+06
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Isopropylbenzene	73		µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Lead	1.4		mg/Kg	400
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Methylene chloride	53	B	µg/Kg	1.99E+05
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Naphthalene	6100		µg/Kg	4.50E+04
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/12/2002	Naphthalene	3100	JD	µg/Kg	4.50E+04
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	n-Butylbenzene	880		µg/Kg	NE
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	n-Butylbenzene	660	D	µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	n-Propylbenzene	150		µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Phenanthrene	13000	E	µg/Kg	1.83E+06

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/12/2002	Phenanthrene	12000	D	µg/Kg	1.83E+06
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Pyrene	280	J	µg/Kg	1.72E+06
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	sec-Butylbenzene	220		µg/Kg	NE
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	sec-Butylbenzene	260	JD	µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Selenium	0.34	B	mg/Kg	391
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Xylene (total)	520		µg/Kg	1.09E+06
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	Xylene (total)	310	JD	µg/Kg	1.09E+06
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	1,2,3-Trichlorobenzene	87	JD	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	1,2,4-Trimethylbenzene	240		µg/Kg	67000*
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	1,2,4-Trimethylbenzene	210	JD	µg/Kg	67000*
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	1,3,5-Trimethylbenzene	5600	E	µg/Kg	47,000*
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	1,3,5-Trimethylbenzene	5200	D	µg/Kg	47,000*
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	2-Butanone	93	JD	µg/Kg	3.96E+07
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	2-Hexanone	84	JD	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	2-Methylnaphthalene	11000	E	µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/12/2002	2-Methylnaphthalene	12000	D	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	4-Isopropyltoluene	2200		µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	4-Isopropyltoluene	2800	D	µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Acetone	83	JD	µg/Kg	6.75E+07
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	4/5/2002	Barium	58.9		mg/Kg	15,600
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	4/5/2002	Cadmium	0.09	B	mg/Kg	77.9
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	4/5/2002	Chromium	3.3		mg/Kg	280*
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Chrysene	130	J	µg/Kg	4.81E+05
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Dibenzofuran	6000		µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/12/2002	Dibenzofuran	6000	D	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/14/2002	Diesel (C12-C24)	35000	D	mg/Kg	520**
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Ethylbenzene	880		µg/Kg	6.96E+04
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Ethylbenzene	660	D	µg/Kg	6.96E+04
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Fluoranthene	330	J	µg/Kg	2.29E+06
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Fluorene	12000	E	µg/Kg	2.29E+06
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/12/2002	Fluorene	12000	D	µg/Kg	2.29E+06
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Isopropylbenzene	1200		µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Isopropylbenzene	1100	D	µg/Kg	NE

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	**Soil Boring**	**Depth**	**Date Analyzed**	**Analyte**	**Result**	**Flag**	**Units**	**NMED SSL**
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	4/5/2002	Lead	2.2		mg/Kg	400
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Methylene chloride	55	B	µg/Kg	1.99E+05
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Methylene chloride	67	JD	µg/Kg	1.99E+05
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	n-Butylbenzene	4600	E	µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	n-Butylbenzene	5700	D	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	n-Propylbenzene	3500	E	µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	n-Propylbenzene	2300	D	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Phenanthrene	14000	E	µg/Kg	1.83E+06
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/12/2002	Phenanthrene	14000	D	µg/Kg	1.83E+06
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Pyrene	350	J	µg/Kg	1.72E+06
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	sec-Butylbenzene	2900	E	µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	sec-Butylbenzene	3300	D	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Toluene	180		µg/Kg	5.57E+06
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Toluene	150	JD	µg/Kg	5.57E+06
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Xylene (total)	2500		µg/Kg	1.09E+06
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Xylene (total)	1900	D	µg/Kg	1.09E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	1,2,4-Trimethylbenzene	3700	E	µg/Kg	67000*
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	1,2,4-Trimethylbenzene	4400	D	µg/Kg	67000*
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	1,3,5-Trimethylbenzene	2400		µg/Kg	47,000*
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	1,3,5-Trimethylbenzene	2400	D	µg/Kg	47,000*
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	2-Methylnaphthalene	17000	E	µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/12/2002	2-Methylnaphthalene	17000	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	4-Isopropyltoluene	750		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	4-Isopropyltoluene	1100	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/10/2002	Arsenic	1.7		mg/Kg	3.59
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/5/2002	Barium	124		mg/Kg	15,600
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/5/2002	Cadmium	0.06	B	mg/Kg	77.9
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/5/2002	Chromium	14.8		mg/Kg	280*
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Chrysene	91	J	µg/Kg	4.81E+05
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Dibenzofuran	4200		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/12/2002	Dibenzofuran	5700	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/14/2002	Diesel (C12-C24)	24000	D	mg/Kg	520**
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Ethylbenzene	790		µg/Kg	6.96E+04

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	Ethylbenzene	680	D	µg/Kg	6.96E+04
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Fluoranthene	230	J	µg/Kg	2.29E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Fluorene	5900		µg/Kg	2.29E+06
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/12/2002	Fluorene	8100	D	µg/Kg	2.29E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Isopropylbenzene	640		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	Isopropylbenzene	620	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/5/2002	Lead	8.2		mg/Kg	400
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Methylene chloride	45	B	µg/Kg	1.99E+05
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Naphthalene	3200		µg/Kg	4.50E+04
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/12/2002	Naphthalene	3000	D	µg/Kg	4.50E+04
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	n-Butylbenzene	1500		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	n-Butylbenzene	2000	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	n-Propylbenzene	1300		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	n-Propylbenzene	1100	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Phenanthrene	12000	E	µg/Kg	1.83E+06
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/12/2002	Phenanthrene	12000	D	µg/Kg	1.83E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Pyrene	240	J	µg/Kg	1.72E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	sec-Butylbenzene	1100		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	sec-Butylbenzene	1500	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/5/2002	Selenium	0.95	B	mg/Kg	391
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Toluene	290		µg/Kg	5.57E+06
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	Toluene	260	JD	µg/Kg	5.57E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Xylene (total)	3100		µg/Kg	1.09E+06
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	Xylene (total)	2700	D	µg/Kg	1.09E+06
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	1,2,4-Trimethylbenzene	140		µg/Kg	67000*
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	1,3,5-Trimethylbenzene	160		µg/Kg	47,000*
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	2-Methylnaphthalene	3100		µg/Kg	NE
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	4-Isopropyltoluene	230		µg/Kg	NE
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	4/10/2002	Arsenic	0.82	B	mg/Kg	3.59
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	4/5/2002	Barium	63.9		mg/Kg	15,600
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	4/5/2002	Cadmium	0.22	B	mg/Kg	77.9
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	4/5/2002	Chromium	7.2		mg/Kg	280*
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	Dibenzofuran	910		µg/Kg	NE

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/14/2002	Diesel (C12-C24)	5200	D	mg/Kg	520**
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	Ethylbenzene	81		µg/Kg	6.96E+04
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	Fluorene	1200		µg/Kg	2.29E+06
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	Isopropylbenzene	38		µg/Kg	NE
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	4/5/2002	Lead	4.4		mg/Kg	400
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	Methylene chloride	25	BJ	µg/Kg	1.99E+05
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	Naphthalene	870		µg/Kg	4.50E+04
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	n-Propylbenzene	95		µg/Kg	NE
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	Phenanthrene	1500		µg/Kg	1.83E+06
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	Pyrene	150	J	µg/Kg	1.72E+06
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	sec-Butylbenzene	240		µg/Kg	NE
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	Toluene	88		µg/Kg	5.57E+06
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	Xylene (total)	180		µg/Kg	1.09E+06
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	1,2,4-Trimethylbenzene	3100	E	µg/Kg	67000*
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	1,2,4-Trimethylbenzene	3800	D	µg/Kg	67000*
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	1,3,5-Trimethylbenzene	810		µg/Kg	47,000*
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	1,3,5-Trimethylbenzene	760	D	µg/Kg	47,000*
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	2-Methylnaphthalene	7100		µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	4-Isopropyltoluene	340		µg/Kg	NE
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	4-Isopropyltoluene	390	JD	µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Acenaphthene	510		µg/Kg	3.44E+06
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	4/10/2002	Arsenic	1.2		mg/Kg	3.59
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	4/5/2002	Barium	40.5		mg/Kg	15,600
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	4/5/2002	Cadmium	0.24	B	mg/Kg	77.9
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	4/5/2002	Chromium	8.6		mg/Kg	280*
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Dibenzofuran	930		µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/14/2002	Diesel (C12-C24)	3100	D	mg/Kg	520**
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	Ethylbenzene	640		µg/Kg	6.96E+04
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	Ethylbenzene	540	D	µg/Kg	6.96E+04
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Fluorene	1200		µg/Kg	2.29E+06
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	Isopropylbenzene	270		µg/Kg	NE
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	Isopropylbenzene	220	JD	µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	4/5/2002	Lead	5.5		mg/Kg	400

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	Methylene chloride	34	BJ	µg/Kg	1.99E+05
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Naphthalene	1400		µg/Kg	4.50E+04
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	n-Butylbenzene	740		µg/Kg	NE
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	n-Butylbenzene	720	D	µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	n-Propylbenzene	510		µg/Kg	NE
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	n-Propylbenzene	450	D	µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Phenanthrene	2700		µg/Kg	1.83E+06
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Pyrene	210	J	µg/Kg	1.72E+06
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	sec-Butylbenzene	400		µg/Kg	NE
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	sec-Butylbenzene	400	JD	µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	Toluene	640		µg/Kg	5.57E+06
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	Toluene	520	D	µg/Kg	5.57E+06
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	Xylene (total)	2400		µg/Kg	1.09E+06
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	Xylene (total)	2000	D	µg/Kg	1.09E+06
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/5/2002	Arsenic	0.77	B	mg/Kg	3.59
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/5/2002	Barium	32.1		mg/Kg	15,600
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	3/11/2002	bis(2-Ethylhexyl)phthalate	94	J	µg/Kg	2.80E+05
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/10/2002	Cadmium	0.63		mg/Kg	77.9
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/5/2002	Chromium	2.1		mg/Kg	280*
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	3/13/2002	Diesel (C12-C24)	1700	D	mg/Kg	520**
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/5/2002	Lead	4.1		mg/Kg	400
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	3/13/2002	Mercury	0.01	B*	mg/Kg	7.71
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	3/11/2002	Methylene chloride	6	B	µg/Kg	1.99E+05
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/5/2002	Selenium	0.31	B	mg/Kg	391
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	1,2,4-Trimethylbenzene	1500		µg/Kg	67000*
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	1,3,5-Trimethylbenzene	1300		µg/Kg	47,000*
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	2-Methylnaphthalene	19000	E	µg/Kg	NE
31010-SB26-(4.0-6.0)DL	SB26	04.0-6.0	3/12/2002	2-Methylnaphthalene	16000	D	µg/Kg	NE
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	4-Isopropyltoluene	490		µg/Kg	NE
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Arsenic	0.95	B	mg/Kg	3.59
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Barium	14.6	B	mg/Kg	15,600
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	bis(2-Ethylhexyl)phthalate	270	J	µg/Kg	2.80E+05
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Cadmium	0.08	B	mg/Kg	77.9

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Chromium	0.84	B	mg/Kg	280*
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Chrysene	110	J	µg/Kg	4.81E+05
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Dibenzofuran	2000		µg/Kg	NE
31010-SB26-(4.0-6.0)DL	SB26	04.0-6.0	3/12/2002	Dibenzofuran	2400	D	µg/Kg	NE
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/13/2002	Diesel (C12-C24)	27000	D	mg/Kg	520**
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	Ethylbenzene	36	J	µg/Kg	6.96E+04
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Fluoranthene	190	J	µg/Kg	2.29E+06
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Fluorene	3800		µg/Kg	2.29E+06
31010-SB26-(4.0-6.0)DL	SB26	04.0-6.0	3/12/2002	Fluorene	4500	D	µg/Kg	2.29E+06
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Lead	0.84	B	mg/Kg	400
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/13/2002	Mercury	0.01	B*	mg/Kg	7.71
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	Methylene chloride	50	B	µg/Kg	1.99E+05
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Naphthalene	3600		µg/Kg	4.50E+04
31010-SB26-(4.0-6.0)DL	SB26	04.0-6.0	3/12/2002	Naphthalene	2600	D	µg/Kg	4.50E+04
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Phenanthrene	7000		µg/Kg	1.83E+06
31010-SB26-(4.0-6.0)DL	SB26	04.0-6.0	3/12/2002	Phenanthrene	7400	D	µg/Kg	1.83E+06
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Pyrene	150	J	µg/Kg	1.72E+06
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Selenium	0.55	B	mg/Kg	391
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	Toluene	27	J	µg/Kg	5.57E+06
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	Xylene (total)	460		µg/Kg	1.09E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	1,2,3-Trichloropropane	130	JD	µg/Kg	915
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	1,2,4-Trimethylbenzene	4800	E	µg/Kg	67000*
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	1,2,4-Trimethylbenzene	8000	D	µg/Kg	67000*
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	1,3,5-Trimethylbenzene	4100	E	µg/Kg	47,000*
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	1,3,5-Trimethylbenzene	6200	D	µg/Kg	47,000*
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	2-Butanone	440	JD	µg/Kg	3.96E+07
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	2-Hexanone	83	JD	µg/Kg	NE
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	2-Methylnaphthalene	78000	E	µg/Kg	NE
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	2-Methylnaphthalene	53000	D	µg/Kg	NE
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	4-Isopropyltoluene	1200		µg/Kg	NE
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	4-Isopropyltoluene	3000	D	µg/Kg	NE
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Acenaphthene	4900		µg/Kg	3.44E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	Acenaphthene	4900	JD	µg/Kg	3.44E+06

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	4/5/2002	Barium	28.5		mg/Kg	15,600
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	4/5/2002	Cadmium	0.08	B	mg/Kg	77.9
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	4/5/2002	Chromium	1.3		mg/Kg	280*
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Chrysene	300	J	µg/Kg	4.81E+05
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Dibenzofuran	4100		µg/Kg	NE
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	Dibenzofuran	6500	JD	µg/Kg	NE
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/14/2002	Diesel (C12-C24)	38000	D	mg/Kg	520**
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	Ethylbenzene	83		µg/Kg	6.96E+04
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	Ethylbenzene	83	JD	µg/Kg	6.96E+04
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Fluoranthene	600		µg/Kg	2.29E+06
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Fluorene	7100	E	µg/Kg	2.29E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	Fluorene	8900	D	µg/Kg	2.29E+06
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	4/5/2002	Lead	0.92	B	mg/Kg	400
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	Mercury	0.4	*	mg/Kg	7.71
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	Methylene chloride	28	BJ	µg/Kg	1.99E+05
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	Methylene chloride	82	JD	µg/Kg	1.99E+05
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Naphthalene	18000	E	µg/Kg	4.50E+04
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	Naphthalene	11000	D	µg/Kg	4.50E+04
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Phenanthrene	19000	E	µg/Kg	1.83E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	Phenanthrene	20000	D	µg/Kg	1.83E+06
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Pyrene	1500		µg/Kg	1.72E+06
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	4/5/2002	Selenium	0.66	B	mg/Kg	391
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	Styrene	95	JD	µg/Kg	8.97E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	tert-Butylbenzene	75	JD	µg/Kg	NE
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	Toluene	160		µg/Kg	5.57E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	Toluene	120	JD	µg/Kg	5.57E+06
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	Xylene (total)	4500		µg/Kg	1.09E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	Xylene (total)	4400	D	µg/Kg	1.09E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	1,2,4-Trimethylbenzene	12000	E	µg/Kg	67000*
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	1,2,4-Trimethylbenzene	18000	D	µg/Kg	67000*
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	1,3,5-Trimethylbenzene	4400	E	µg/Kg	47,000*
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	1,3,5-Trimethylbenzene	5400	D	µg/Kg	47,000*
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	2-Methylnaphthalene	39000	E	µg/Kg	NE

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	2-Methylnaphthalene	34000	D	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	4-Isopropyltoluene	1200		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	4-Isopropyltoluene	2600	D	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Acenaphthene	2900		µg/Kg	3.44E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Acenaphthene	2500	JD	µg/Kg	3.44E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	4/10/2002	Arsenic	1.1		mg/Kg	3.59
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	4/5/2002	Barium	109		mg/Kg	15,600
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	4/5/2002	Chromium	8.6		mg/Kg	280*
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Chrysene	180	J	µg/Kg	4.81E+05
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Dibenzofuran	2700		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Dibenzofuran	3500	JD	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/14/2002	Diesel (C12-C24)	18000	D	mg/Kg	520**
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	Ethylbenzene	1000		µg/Kg	6.96E+04
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	Ethylbenzene	870	D	µg/Kg	6.96E+04
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Fluoranthene	400		µg/Kg	2.29E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Fluorene	4400		µg/Kg	2.29E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Fluorene	5000	D	µg/Kg	2.29E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	Isopropylbenzene	380		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	Isopropylbenzene	460	D	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	4/5/2002	Lead	5.2		mg/Kg	400
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	Methylene chloride	30	BJ	µg/Kg	1.99E+05
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Naphthalene	12000	E	µg/Kg	4.50E+04
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Naphthalene	8800	D	µg/Kg	4.50E+04
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	n-Butylbenzene	1300		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	n-Butylbenzene	1100	D	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	n-Propylbenzene	820		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	n-Propylbenzene	820	D	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Phenanthrene	12000	E	µg/Kg	1.83E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Phenanthrene	11000	D	µg/Kg	1.83E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Pyrene	1000		µg/Kg	1.72E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Pyrene	1200	JD	µg/Kg	1.72E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	sec-Butylbenzene	650		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	sec-Butylbenzene	1200	D	µg/Kg	NE

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	4/5/2002	Selenium	0.49	B	mg/Kg	391
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	Toluene	820		µg/Kg	5.57E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	Toluene	550	D	µg/Kg	5.57E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	Xylene (total)	8300	E	µg/Kg	1.09E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	Xylene (total)	7600	D	µg/Kg	1.09E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	1,2,4-Trimethylbenzene	2100		µg/Kg	67000*
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	1,3,5-Trimethylbenzene	800		µg/Kg	47,000*
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	2-Methylnaphthalene	27000	E	µg/Kg	NE
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	2-Methylnaphthalene	23000	D	µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	4-Isopropyltoluene	330		µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Acenaphthene	1600		µg/Kg	3.44E+06
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Acenaphthene	1700	JD	µg/Kg	3.44E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	4/5/2002	Arsenic	0.52	B	mg/Kg	3.59
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	4/5/2002	Barium	48.4		mg/Kg	15,600
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	4/5/2002	Cadmium	0.11	B	mg/Kg	77.9
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	4/5/2002	Chromium	5.5		mg/Kg	280*
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Chrysene	120	J	µg/Kg	4.81E+05
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Dibenzofuran	2600		µg/Kg	NE
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Dibenzofuran	3200	D	µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/14/2002	Diesel (C12-C24)	13000	D	mg/Kg	520**
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	Ethylbenzene	340		µg/Kg	6.96E+04
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Fluoranthene	250	J	µg/Kg	2.29E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Fluorene	3600		µg/Kg	2.29E+06
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Fluorene	4300	D	µg/Kg	2.29E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	Isopropylbenzene	190		µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	4/5/2002	Lead	3.2		mg/Kg	400
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	Methylene chloride	26	BJ	µg/Kg	1.99E+05
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Naphthalene	8700	E	µg/Kg	4.50E+04
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Naphthalene	6600	D	µg/Kg	4.50E+04
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	n-Propylbenzene	390		µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Phenanthrene	9100	E	µg/Kg	1.83E+06
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Phenanthrene	7900	D	µg/Kg	1.83E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Pyrene	620		µg/Kg	1.72E+06

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Pyrene	710	JD	µg/Kg	1.72E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	sec-Butylbenzene	350		µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	Toluene	220		µg/Kg	5.57E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	Xylene (total)	1300		µg/Kg	1.09E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	1,2,4-Trimethylbenzene	8		µg/Kg	67000*
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	1,3,5-Trimethylbenzene	2	J	µg/Kg	47,000*
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	2-Methylnaphthalene	9700	E	µg/Kg	NE
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	2-Methylnaphthalene	9600	D	µg/Kg	NE
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Acenaphthene	550		µg/Kg	3.44E+06
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Acenaphthene	680	JD	µg/Kg	3.44E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	4/5/2002	Arsenic	0.9	B	mg/Kg	3.59
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	4/5/2002	Barium	109		mg/Kg	15,600
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	4/5/2002	Cadmium	0.18	B	mg/Kg	77.9
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	4/5/2002	Chromium	7.8		mg/Kg	280*
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Dibenzofuran	1300		µg/Kg	NE
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Dibenzofuran	1200	D	µg/Kg	NE
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/14/2002	Diesel (C12-C24)	5200	D	mg/Kg	520**
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Ethylbenzene	1	J	µg/Kg	6.96E+04
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Fluoranthene	92	J	µg/Kg	2.29E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Fluorene	1500		µg/Kg	2.29E+06
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Fluorene	1600	D	µg/Kg	2.29E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	4/5/2002	Lead	3.9		mg/Kg	400
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Methylene chloride	7	B	µg/Kg	1.99E+05
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Naphthalene	2300		µg/Kg	4.50E+04
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Naphthalene	2200	D	µg/Kg	4.50E+04
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	n-Butylbenzene	4	J	µg/Kg	NE
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Phenanthrene	3600		µg/Kg	1.83E+06
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Phenanthrene	3400	D	µg/Kg	1.83E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Pyrene	300	J	µg/Kg	1.72E+06
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Pyrene	250	JD	µg/Kg	1.72E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Xylene (total)	2	J	µg/Kg	1.09E+06
		* EPA Region IX RSL						
		** NMED TPH Screening Guideline						

Table 1D. RFI Data Denver Site (Detects)								
Sample ID	**Soil Boring**	**Depth**	**Date Analyzed**	**Analyte**	**Result**	**Flag**	**Units**	**NMED SSL**
		> - Greater than indicated temperature.						
		D or DL - Diluted Sample.						
		E - Compound was over the calibration range.						
		J - Estimated Value. Compound detected below reporting limit.						
		P - The percentage difference between the results of the two columns is > 25%.						
		U - Not Detected at the Indicated Laboratory Repoting Limit.						

APPENDIX A

DISPOSAL MANIFESTS *(on CD only)*

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Atom-07-001

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Hardin Ranch Site~~ Atom Site
Located off Range Rd. ● 331
White Sands Missile Range, NM

6. Transporter 1 Company Name: Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 – (915) 886-4355
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator/Agent's Printed/Typed Name: Jose A. Gallegos Signature: Month 08 Day 07 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gustavo Esparza Truck #: 524 Signature: Gustavo Esparza Month 8 Day 7 Year 7

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name Signature Month 8 Day 7 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Atom-07-002

GENERATOR

5. Generator's Name and Mailing Address
~~White Sands~~ Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Hazdin Ranch Site~~
Located off Range Rd. 331
White Sands Missile Range, NM
Atom Site

6. Transporter 1 Company Name
Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 – (915) 886-4355
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature: [signature]
Month 8 Day 6 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gustavo Esparza Truck #: 524
Signature: [signature]
Month 8 Day 6 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: [signature]
Signature: [signature]
Month 8 Day 6 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Atom-07-003

GENERATOR

5. Generator's Name and Mailing Address
~~White Sands Missile~~ Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Hardin Ranch Site~~ Atom Site
Located off Range Rd. 331
White Sands Missile Range, NM

6. Transporter 1 Company Name: Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 – (915) 886-4355
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address [redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
[redacted]: [signature]
Month 8 Day 6 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jerry Rivero Truck #: 525
Signature: [signature]
Month 8 Day 6 Year 07
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
[redacted]: Jose [signature]
[redacted]: [signature]
[redacted] Month 8 Day 6 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Atom-07-004

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
(505) 678-1007 White Sands Missile Range, NM 88002
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Hardin Ranch Site~~ Atom Site
Located off Range Rd. 331
White Sands Missile Range, NM

6. Transporter 1 Company Name
Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 – (915) 886-4355
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature:
Month 08 Day 03 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gustavo Esparza Truck #: 524
Signature: Gustavo Esparza
Month 8 Day 3 Year 7

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jose
Signature:
Month 8 Day 3 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Atom-07-005

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Hardin Ranch Site~~
Located off Range Rd. ~~#~~ 331
White Sands Missile Range, NM
Atom Site

6. Transporter 1 Company Name
Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 – (915) 886-4355
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos Signature: Month 08 Day 03 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Rivero Truck #: 525 Signature: Month 8 Day 3 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Signature: Month [redacted] Day 3 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Atom-07-006

GENERATOR

5. Generator's Name and Mailing Address
~~White Sands~~ Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Hardin Ranch Site~~
Located off Range Rd 331
White Sands Missile Range, NM
Atom Site

6. Transporter 1 Company Name: Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 – (915) 886-4355 — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos — Signature: [signature] — [redacted] Month Day Year: 07 31 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jerry Rivero — Truck #: 525 — Signature: [signature] — Month Day Year: 7 31 07
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
[redacted] Printed/Typed Name: Jose [signature] — [redacted] Signature: [signature] — [redacted] Month Day Year: 7 31 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Atom-07-007

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Hardin Ranch Site~~
Located off Range Rd. # 331 Atom Site
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Gallegos
Signature: [signature]
Month 8 Day 6 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Arthur D Macias Truck # 71
Signature: [signature]
Month 8 Day 6 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez
Signature: Santos Gomez
Month 8 Day 6 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Atom-07-008

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Hardin Ranch Site~~
Located off Range Rd. 331
White Sands Missile Range, NM
Atom Site

6. Transporter 1 Company Name
[redacted] Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A Gallegos
[redacted]: [signature]
[redacted] Month 8 Day 6 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez [redacted] 212
Signature: [signature]
[redacted] Month 8 Day 6 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Santos Gomez
[redacted]: [signature]
[redacted] Month 8 Day 6 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Atom-07-009

GENERATOR

5. Generator's Name and Mailing Address
[redacted] ~~White Sands~~ Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Hardin Ranch Site~~
Located off Range Rd. # 331
White Sands Missile Range, NM
Atom Site

6. Transporter 1 Company Name
[redacted] Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] 1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's Printed/Typed Name: Joe D. Gallegos
[redacted] Signature:
[redacted] Month Day Year: 08 03 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods [redacted] 215
[redacted] Signature:
[redacted] Month Day Year: 8 3 7

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Jerry Rivera
[redacted] Signature:
[redacted] Month Day Year: 8 3 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Atom-07-010

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
(505) 678-1007 White Sands Missile Range, NM 88002
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Harding Ranch Site~~
Located off Range Rd. # 331 Atom Site
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]51
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos
[redacted]:
[redacted] Month Day Year: 08 03 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN J GONZALEZ [redacted]: 209
[redacted]:
[redacted] Month Day Year: 8 3 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Jerry Rivers
[redacted]:
[redacted] Month Day Year: 8 3 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Atom-07-011

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Hardin Ranch Site~~
Located off Range Rd. # 331
White Sands Missile Range, NM
Atom Site

6. Transporter 1 Company Name
[redacted] Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose' A Gallegos
[redacted]: [signature]
[redacted] Month Day Year: 08 03 07

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marlene Arnold [redacted] 217
[redacted]: Marlene Arnold
[redacted] Month Day Year: 08 03 07

Transporter 2 Printed/Typed Name: Signature: Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Jerry Rivera
[redacted]: [signature]
[redacted] Month Day Year: 8 3 07

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Atom-07-012

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Hamlin Ranch Site~~
Located off Range Rd. # 331
White Sands Missile Range, NM
Atom Site

6. Transporter 1 Company Name
[redacted] Trucking, P.O Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	
2.	~~Clean Desert Red Sand from Rhino's DP-1051~~	~~1~~	~~Dump~~	~~20~~	~~yd³~~	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature:
Month 08 Day 03 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: ARTHUR D MACIAS Truck # 71
Signature:
Month 08 Day 3 Year 07
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Jenny Rivera
Signature:
Month 8 Day 3 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Atom-07-013

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Hardin Ranch Site~~
Located off Range Rd. 331
White Sands Missile Range, NM
Atom Site

6. Transporter 1 Company Name
[redacted] Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] 1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator/Offeror's Printed/Typed Name: Jose A Gallegos
Signature:
Month 08 Day 03 Year 07

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez [redacted] Truck # [redacted]
Signature:
Month 8 Day 3 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Terry Rivera
Signature:
Month 8 Day 3 Year 07

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Atom-07-014

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Hardin Ranch Site~~
Located off Range Rd. # 331
White Sands Missile Range, NM
Atom Site

6. Transporter 1 Company Name
[redacted] Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	~~Clean Desert Red Sand from Rhino's DP-1051~~	~~1~~	~~Dump~~	~~20~~	~~yd^3~~	
	CLEAN DESERT RED SAND FROM RHINO DP-1051		DUMP	20	yd^3	
	CORRECTION					
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature:
Month 07 Day 31 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez Truck#: 712
Signature:
Month 7 Day 31 Year 07

Transporter 2 Printed/Typed Name: Signature: Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santiago Gomez
Signature:
Month 7 Day 31 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ~~Jean 07-050~~ ATOM-07-015

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Gran Jean Site~~ ATOM SITE
Located off Range Rd. 17 near Range Rd. 331
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos Signature: Month 08 Day 07 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez Truck #: 212 Signature: Month 08 Day 07 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: SANTOS GOMEZ Signature: Month 8 Day 7 Year 7

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ~~Jean 07-849~~ ATOM-07-016

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Gran Jean Site~~ ATOM SITE
Located off Range Rd. 17 near Range Rd ~~22~~ 331
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose' A. Gallegos Signature: Month 08 Day 07 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods Truck #: 215 Signature: CE Woods Month 8 Day 7 Year 7

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez Signature: Santos Gomez Month 8 Day 7 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ~~Jean 07-040~~ ATOM-07-017

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Gran Jean Site~~ ATOM SITE
Located off Range Rd. 17 near Range Rd. ~~22~~ 331
White Sands Missile Range, NM

6. Transporter 1 Company Name: D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136 — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone: — U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Joseph Gallegos — Signature: [signature] — Month 08 Day 07 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN GONZALEZ Truck #: 209 — Signature: [signature] — Month 8 Day 7 Year 07

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez — Signature: [signature] — Month 8 Day 7 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ~~Jean-07-047~~ ATOM-07-078

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Gran Jean Site~~ ATOM SITE
Located off Range Rd. 17 near Range Rd. ~~22~~ 331
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Gallegos Signature: Month 08 Day 07 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: ~~Arthur Armendariz~~ Truck #: Signature: Month 8 Day 7 Year 7

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: SANTOS GOMEZ Signature: Santos Gomez Month 8 Day 7 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ~~Jean 07-016~~ ATOM-07-019

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002

Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Grant Jean Site~~ ATOM SITE
Located off Range Rd. 17 near Range Rd. ~~22~~ 331
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 (505) 437-4136~~ (915) 886-4344
RHINO ENVIRONMENTAL SERVICES INC. PO. Box CHANTILLO TX 79835
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos Signature: Month 08 Day 07 Year 07

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Rivera Truck #: 525 Signature: Month 8 Day 7 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name Signature Month Day Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ~~Jean-07-041~~ Atom-07-020

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Gran Jean Site~~ Atom Site
Located ~~off Range Rd. 17~~ near Range Rd. ~~22~~ 331
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos Signature: Month 8 Day 9 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez Truck #: 212 Signature: Month 8 Day 9 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez Signature: Month 8 Day 9 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Atom-07-~~Jean 07 040~~ -021

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Gran Jean Site~~ Atom Site
Located ~~off Range Rd. 17~~ near Range Rd. ~~22~~ 331
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature:
Month 8 Day 9 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: ARTHUR D. MACIAS Truck #: 71
Signature:
Month 8 Day 9 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: SANTOS GOMEZ
Signature:
Month 8 Day 9 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ~~Jean-07-039~~ Atom-07-022

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Gran Jean Site~~ Atom Site
Located ~~off Range Rd. 17~~ near Range Rd. ~~22~~ 331
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos Signature: [signature] Month 8 Day 9 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN GONZALEZ Truck #: 209 Signature: [signature] Month 8 Day 9 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: SANTOS GOMEZ Signature: [signature] Month 8 Day 9 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ~~Jean 07 038~~ Atom-07-023

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Gran Jean Site~~ Atom Site
Located ~~off Range Rd. 17~~ near Range Rd. ~~22~~ 331
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: **B** Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature: [signature]
Month 8 Day 9 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods Truck #: 215
Signature: Charles E Woods
Month 8 Day 9 Year 7

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez
Signature: Santos Gomez
Month 8 Day 9 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ~~Jean 07 037~~ Atom-07-024

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002

Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Gran Jean Site~~ Atom Site
Located ~~off Range Rd. 17~~ near Range Rd. ~~22~~ 331
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~D n J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136~~ Rhino Environmental (915) 886-4355
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358

Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Gallegos Signature: Month 8 Day 9 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Rivero Truck #: 525 Signature: Month 8 Day 9 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jose Signature: Month 8 Day 9 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ~~Jean 07-036~~ Atom-07-025

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Gran Jean Site~~ Atom Site
Located ~~off Range Rd. 17~~ near Range Rd. ~~22~~ 331
White Sands Missile Range, NM

6. Transporter 1 Company Name: D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136 — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos — Signature: [signature] — Month 08 Day 09 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gustavo Esparza — Truck #: 524 — Signature: [signature] — Month 08 Day 09 Year 07

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jose [illegible] — Signature: [signature] — Month 8 Day 9 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ~~Jean-07-045~~ ATOM-07-026

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Gran Jean Site~~ ATOM SITE
Located off Range Rd. 17 near Range Rd. ~~22~~ 331
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Gallegos Signature: Month 08 Day 10 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Arthur D. Macias Truck #: 71 Signature: Month 8 Day 10 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jerry Lowe Signature Month 8 Day 10 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ATOM - 07 - 08 ~~Jean-07-044~~

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002

Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Gran Jean Site~~ ATOM SITE
Located off Range Rd. 17 near Range Rd. ~~22~~ 331
White Sands Missile Range, NM

6. Transporter 1 Company Name: D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358

Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos Signature: [signature] Month 08 Day 10 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods Truck #: 215 Signature: CE Woods Month 8 Day 10 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jerry Rivas Signature: [signature] Month 8 Day 10 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ATOM-07-028 ~~Jean 07-043~~

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Gran Jean Site~~ ATOM SITE
Located off Range Rd. 17 near Range Rd. ~~22~~ 331
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~D-n J Trucking, PO Box 1433, Alamogordo, NM 88311 (505) 437-4136~~ Rhino Environmental
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature:
Month 08 Day 10 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jenny Rivero Truck #: 525
Signature:
Month 8 Day 10 Year 07

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jose Gale
Signature:
Month 8 Day 10 Year 07

169-BLS-C 5 11979 (Rev. 8/06)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NM2750211235

2. Page 1 of 1

3. Emergency Response Phone: (800) 762-0241

4. Waste Tracking Number: ~~Jean 07-042~~ ATOM-07-029

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002

Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Gran Jean Site~~ ATOM SITE
Located off Range Rd. 17 near Range Rd. ~~22~~ 331
White Sands Missile Range, NM

6. Transporter 1 Company Name: D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358

Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos Signature: Month 08 Day 10 Year 07

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gustavo Esparza Truck #: 524 Signature: Gustavo Esparza Month 8 Day 10 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name Signature Month 8 Day 10 Year 07

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLS-C 5 11979 (Rev. 8/06) DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ~~Hardin 07-013~~ ATOM-07-030

GENERATOR

5. Generator's Name and Mailing Address
[redacted] White Sands Missile Range
IMWE-PW
(505) 678-1007 White Sands Missile Range, NM 88002
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Hardin Ranch Site~~ ATOM SITE
Located off Range Rd. #17 NEAR RANGE RD-331
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] ~~Trucking, PO Box 1483, Alamogordo, NM 88311 (505) 437-4136~~ Rhino Environmental
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose' A Gallegos [redacted] Signature: [signature] [redacted] Month 08 Day 13 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

[redacted] Printed/Typed Name: Gustavo Esparza [redacted] Truck # 524 [redacted] Signature: Gustavo Esparza [redacted] Month 08 Day 13 Year 07

Transporter 2 Printed/Typed Name: Signature: Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Jose' [redacted] Signature: [redacted] Month 8 Day 13 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Cowan-07-001

GENERATOR

5. Generator's Name and Mailing Address
[redacted] White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Cowan [redacted]
Located off Range Rd. 9
White Sands Missile Range, NM

6. Transporter 1 Company Name: [redacted] D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136 — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address: [redacted] 1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone: — U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos — [redacted]: [signature] — [redacted] Month 6 Day 26 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

[redacted] Printed/Typed Name: Charles E Woods [redacted] Truck # 215 — [redacted]: [signature] — [redacted] Month 6 Day 26 Year 07

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Santos Gomez — [redacted]: [signature] — [redacted] Month 6 Day 26 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Cowan-07-002

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Cowan Site
Located off Range Rd. 9
White Sands Missile Range, NM

6. Transporter 1 Company Name: D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136 — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address: Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone: — U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Gallegos — Signature: JDM — Month 6 Day 26 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanz — Truck #: 212 — Signature: Robert Sanz — Month 6 Day 26 Year 07

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name: SANTOS GOMEZ — Signature: Santos Gomez — Month 6 Day 26 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Cowan-07-003

GENERATOR

5. Generator's Name and Mailing Address
[redacted]ds Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007

Generator's Site Address (if different than mailing address)
Cowan [redacted]
Located off Range Rd. 9
White Sands Missile Range, NM

Generator's Phone:

6. Transporter 1 Company Name
[redacted] Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

Facility's Phone:

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3
2. Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3
3.				
4.				

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature: [signature]
Month 06 Day 26 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marlene Arnold Truck #: 217
Signature: Marlene Arnold
Month 06 Day 26 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez
Signature: Santos Gomez
Month 6 Day 26 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Cowan-07-004

GENERATOR

5. Generator's Name and Mailing Address
[redacted]ds Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Cowan [redacted]
Located off Range Rd. 9
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	16 ~~20~~	yd³	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos
[redacted]: [signature]
[redacted] Month 6 Day 26 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

[redacted] Printed/Typed Name: STEVEN J GONZALEZ [redacted]: 209
[redacted]: [signature]
[redacted] Month 6 Day 26 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Santos Gomez
[redacted]: [signature]
[redacted] Month 6 Day 26 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-001

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
EC-5[redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name: Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address [redacted]1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Gallegos
Signature:
Month Day Year: 6 26 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gustavo Esparza Truck #: 524
Signature: Gustavo Esparza
Month Day Year: 6 26 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jose
Signature:
Month Day Year: 6 26 07

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-002

GENERATOR

5. Generator's Name and Mailing Address
[redacted]sile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
EC-[redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 310, Carlsbad, TX 79835, (915) 886-4355~~
DJ Trucking, PO Box 1433, Alamogordo, NM 88311, 505-437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. [redacted] Name and Site Address [redacted]51
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
	2. Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
	3.					
	4.					

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
[redacted]: JAM
[redacted] Day Year: 06 26 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods Truck #: 215 Signature: CE Woods Month Day Year: 6 26 7

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted]: Santos Gomez
[redacted]: Santos Gomez
[redacted] Day Year: 6 28 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-003

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50[redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 318, Canutillo, TX 79835 (915) 886-4355~~
DJ Trucking, PO Box 1133, Alamogordo, NM 88311, 505-437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. [redacted] Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3
2. Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3
3.				
4.				

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos [redacted] [redacted] Month 6 Day 26 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez Truck #: 212 Signature: [signature] Month 6 Day 26 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Santos Gomez [redacted] [redacted] Month 6 Day 26 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-004

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50[redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 318, Camillo, TX 79025 - (915) 886-4355~~
N J Trucking, PO Box 1433, Alamogordo, NM 88311, 505-437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. [redacted]cility Name and Site Address
[redacted]1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted]'s/Offeror's Printed/Typed Name: Jose A Gallegos [redacted]: [signature] [redacted] Month 6 Day 26 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marlene Arnold Truck #: 217 Signature: Marlene Arnold Month 06 Day 26 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Santos Gomez [redacted]: [signature] [redacted] Month 6 Day 26 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-005

GENERATOR

5. Generator's Name and Mailing Address
[redacted]ds Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50[redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 310, Carrollton, TX 75035 (915) 886-4355~~
D&J Trucking, PO Box 1433, Alamogordo, NM 88311, 505-437-4126
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. [redacted]cility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted]/Offeror's Printed/Typed Name: Jose A Gallegos
[redacted]: [signature]
[redacted] Month 6 Day 26 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN J GONZALEZ Truck #: 209
Signature: [signature] Month 6 Day 26 Year 07

Transporter 2 Printed/Typed Name:
Signature: Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted]/Typed Name: Santos Gomez
[redacted]: [signature]
[redacted] Month 6 Day 26 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-006

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] 1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature: [signature]
Month Day Year: 6 26 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gustavo Esparza Truck #: 524
Signature: [signature]
Month Day Year: 6 26 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jose [signature]
Signature: [signature]
Month Day Year: 6 26 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-007

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835, (915) 886-4355~~
Tine Line, PO Box 1433, Alamogordo, NM 88311, 505-437-7136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
Facility's Phone: (915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos Signature: Month 6 Day 27 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN J GONZALEZ Truck #: 209 Signature: Month 6 Day 27 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: SANTOS GOMEZ Signature: Month 6 Day 27 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-008

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

Generator's Phone:

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc. PO Box 310, Canutillo, TX 79835 (915) 886-4355~~
Trucking, PO Box 1433, Alamogordo, NM 88311, 505-437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. [redacted] Name and Site Address
[redacted] 1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos
[redacted]: [signature]
[redacted] Month Day Year: 6 27 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marlene Arnold Truck #: 217
Signature: Marlene Arnold
Month Day Year: 06 27 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

~~Printed/Typed Name~~: Carlos Gomez
[redacted]: [signature]
[redacted] Month Day Year: 6 27 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-009

GENERATOR

5. Generator's Name and Mailing Address
[redacted]s Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 310, Camptillo, TX 79835 - (915) 886-4355~~
DJ Trucking, PO Box 1433, Alamogordo, NM 88311, 505-437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. [redacted] Name and Site Address
Rhi[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature:
Month Day Year: 6 27 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods Truck #: 215
Signature: CEWoods
Month Day Year: 6 27 7

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez
Signature: Santos Gomez
Month Day Year: 6 27 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-010

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 318, Canutillo, TX 79835 - (915) 886-4355~~
D J Trucking, PO Box 1433, Alamogordo, NM 88311, 505-437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature: [signature]
Month 6 Day 27 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez Truck #: 212
Signature: [signature]
Month 6 Day 27 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez
Signature: [signature]
Month 6 Day 27 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-011

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50[redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. [redacted] Name and Site Address
[redacted] DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
	2. Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
	3.					
	4.					

13. Special Handling Instructions and Additional Information

Cell: **B** Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A Gallegos
[redacted]: [signature]
[redacted] Month 6 Day 27 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Gustavo Espana Truck #: 524
Signature: Gustavo Espanza
Month 6 Day 27 Year 07
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
[redacted] Printed/Typed Name
[redacted]: [signature]
[redacted] Month 6 Day 27 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-012

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 318, Canutillo, TX 79835 - (915) 886-4355~~
Nin Trucking, PO Box 1433, Alamogordo, NM 88311, 505-437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature: [signature]
Month 6 Day 27 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN J GONZALEZ Truck #: 209
Signature: [signature]
Month 6 Day 27 Year 07

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: CARLOS GOMEZ
Signature: [signature]
Month 6 Day 27 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-013

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
EC-50[redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. [redacted] Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: **B** Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A Gallegos
[redacted]: [signature]
[redacted] Month Day Year: 6 27 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods [redacted] 215
[redacted]: CE Woods
[redacted] Month Day Year: 6 27 7

Transporter 2 Printed/Typed Name | Signature | Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: SANTOS GOMEZ
[redacted]: [signature]
[redacted] Month Day Year: 6 27 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-014

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
(505) 678-1007 White Sands Missile Range, NM 88002
Generator's Phone:

Generator's Site Address (if different than mailing address)
EC-50[redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. [redacted] Name and Site Address
[redacted] 051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A Gallegos | [redacted] | [redacted] Month 6 Day 27 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

[redacted] Printed/Typed Name: Marlene Arnold [redacted] Truck # 267 | [redacted]: Marlene Arnold | [redacted] Month 06 Day 27 Year 07

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Saul Santos Gomez | [redacted]: Saulo Gomez | [redacted] Month 6 Day 27 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-015

GENERATOR

5. Generator's Name and Mailing Address
[redacted]ds Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
EC-50[redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. [redacted] Name and Site Address
[redacted] 1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Gallegos
Signature:
Month Day Year: 6 27 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gustavo Espana Truck# 524
Signature: Gustavo Espana
Month Day Year: 6 22 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month Day Year: 6 27 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-016

5. Generator's Name and Mailing Address
[redacted]s Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

Generator's Phone:

6. Transporter 1 Company Name
[redacted] Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. [redacted] Name and Site Address
[redacted]051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos [redacted]: [signature] [redacted] Month 6 Day 28 Year 07

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN J GONZALEZ [redacted]: 209 [redacted]: [signature] [redacted] Month 6 Day 28 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: JANTOS GOMEZ [redacted]: [signature] [redacted] Month 6 Day 28 Year 07

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-017

GENERATOR

5. Generator's Name and Mailing Address
[redacted]nds Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. [redacted] Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: **B** Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos | [redacted]: [signature] | [redacted] Month 6 Day 28 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marlene Arnold [redacted] 217 | [redacted]: Marlene Arnold | [redacted] Month 06 Day 28 Year 07

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Santos Gomez | [redacted]: [signature] | [redacted] Month 6 Day 28 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-018

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name: [redacted] Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. [redacted] and Site Address: [redacted]051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose. A Gallegos
Signature:
Month Day Year: 6 28 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods [redacted] 215
Signature: CE Woods
Month Day Year: 6 28 7

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Santos Gomez
[redacted]: Santos Gomez
Month [redacted] Year: 6 28 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-019

GENERATOR

5. Generator's Name and Mailing Address
[redacted]ds Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50[redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. [redacted]ame and Site Address
[redacted]51
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos
[redacted]: [signature]
[redacted] Month 6 Day 28 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez [redacted] 212
[redacted]: [signature]
[redacted] Month 6 Day 28 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: SANTOS GOMEZ
[redacted]: [signature]
[redacted] Month 6 Day 28 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-020

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name: D-H-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address [redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator/Offeror's Printed/Typed Name: Jose A Gallegos Signature: [signature] Month 6 Day 29 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marlene Arnold Truck # 217 Signature: Marlene Arnold Month 06 Day 29 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez Signature: [signature] Month 6 Day 29 Year 07

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
NM2750211235	1	(800) 762-0241	EC50-07-021

GENERATOR

5. Generator's Name and Mailing Address
[redacted]ds Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. [redacted] and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos
[redacted]: [signature]
[redacted] Month Day Year: 06 29 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods [redacted] 21 S
Signature: C E Woods
Month Day Year: 6 29 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Santos Gomez
[redacted]: [signature]
[redacted] Month Day Year: 6 29 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-022

GENERATOR

5. Generator's Name and Mailing Address
[redacted] White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. [redacted] Facility Name and Site Address
[redacted]051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
Facility's Phone: (915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Gallegos
Signature: [signature]
Month Day Year: 06 29 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez Truck #: 212
Signature: [signature]
Month Day Year: 6 29 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez
Signature: [signature]
Month Day Year: 6 29 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-023

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: **B** Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator/Otero's Printed/Typed Name: Jose A. Gallegos
Signature: [signature]
Month 7 Day 2 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN J GONZALEZ Truck # 209
Signature: [signature]
Month 7 Day 2 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: SANTOS GOMEZ
Signature: [signature]
Month 7 Day 02 Year 07

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NM2750211235
2. Page 1 of 1
3. Emergency Response Phone: (800) 762-0241
4. Waste Tracking Number: EC50-07-024

5. Generator's Name and Mailing Address
[redacted]ds Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. [redacted] Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: **B** Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted]'s Printed/Typed Name: Jose A. Gallegos
[redacted]: [signature]
[redacted] Month 7 Day 2 Year 07

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marlene Arnold [redacted] 217
Signature: Marlene Arnold
Month 07 Day 02 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Antos Gomez
[redacted]: [signature]
[redacted] Month 7 Day 2 Year 07

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-025

GENERATOR

5. Generator's Name and Mailing Address
[redacted]ds Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. [redacted] and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
Facility's Phone: (915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: **B** Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted]'s Printed/Typed Name: Jose A. Gallegos
[redacted]: [signature]
[redacted] Month 7 Day 2 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez [redacted] 212
[redacted]: [signature]
[redacted] Month 7 Day 2 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez
[redacted]: [signature]
[redacted] Month 7 Day 02 Year 07

#212

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-026

GENERATOR

5. Generator's Name and Mailing Address
[redacted]ds Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name ~~D.R. J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4130~~ BTA
Rhino Environmental
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. [redacted] Facility Name and Site Address [redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	~~Clean Desert Red Sand from Rhino's DP-105.1~~	~~1~~	~~Dump~~	~~20~~	~~yd^3~~	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted]'s Printed/Typed Name: Jose A Gallegos [redacted]: [signature] [redacted] Month 7 Day 2 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jerry Rivera [redacted]: 525 [redacted]: [signature] [redacted] Month 7 Day 2 Year 07
Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
[redacted]: Jose [signature] [redacted]: [signature] [redacted] Month 7 Day 2 Year 07

169-BLS-C 5 11979 (Rev. 8/06) DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-027

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136~~ BTD
Rhino Environmental
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. [redacted] and Site Address
[redacted] 051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos
[redacted]: [signature]
[redacted] Month 7 Day 2 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Gustavo Esparza
[redacted] Truck# 574
Signature: [signature]
Month 7 Day 2 Year 07
Transporter 2 Printed/Typed Name: Signature: Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
[redacted] Printed/Typed Name: Jose [signature]
[redacted]: [signature]
[redacted] Month 7 Day 2 Year 07

169-BLS-C 5 11979 (Rev. 8/06) DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-029

GENERATOR

5. Generator's Name and Mailing Address
[redacted]nds Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50[redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
Facility's Phone: (915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Gallegos
Signature: [signature]
Month 7 Day 2 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN J GONZALEZ Truck # 209
Signature: [signature]
Month 7 Day 2 Year 07

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: SANTOS GOMEZ
Signature: [signature]
Month 7 Day 2 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-030

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

Generator's Phone:

6. Transporter 1 Company Name
[redacted], PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. [redacted] Name and Site Address
[redacted] DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: **B** Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator/Offeror's Printed/Typed Name: Jose A. Gallegos
[redacted]: [signature]
[redacted]: 7 2 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez [redacted] 212
Signature: [signature]
[redacted]: 7 2 07

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted]: Santos Gomez
[redacted]: [signature]
[redacted]: 7 2 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-031

GENERATOR

5. Generator's Name and Mailing Address
[redacted]nds Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
EC-50 [redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~[redacted] Trucking PO Box 1433, Alamogordo, NM 88311 - (505) 437-4136~~ Rhino Environmental
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A Gallegos
[redacted]: JDM
[redacted] Month Day Year: 7 2 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Gustavo Esparza [redacted]: 54
[redacted]: Gustavo Esparza
[redacted] Month Day Year: 7 02 07
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
[redacted] Printed/Typed Name: Jose
[redacted]:
[redacted] Month Day Year: 7 2 07

169-BLS-C 5 11979 (Rev. 8/06) DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-032 ~~Gowan-07-005~~

GENERATOR

5. Generator's Name and Mailing Address
[redacted]ds Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Gowan Si~~ EC50
Located off Range ~~Rd. 9~~ 17
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Cadlegos
[redacted]: [signature]
[redacted]: 7 2 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marlene Arnold [redacted] 217
Signature: Marlene Arnold
Month Day Year: 07 02 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Juan Gomez
[redacted]: [signature]
[redacted]: 7 2 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ~~Cowan-07-006~~ EC50-07-033

GENERATOR

5. Generator's Name and Mailing Address
[redacted]s Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Cowan Site~~ [redacted] EC50
Located off Range Rd. ~~9~~ 17
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~DPJ Trucking, PO Box 1433, Alamogordo, NM 88311 (505) 437-4136~~
Rhino Environmental
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] 1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Gallegos
Signature: [signature]
Month 7 Day 2 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Rivero
Truck# [redacted]25
Signature: [signature]
Month 7 Day 2 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jose [signature]
Signature: [signature]
Month 7 Day 2 Year 07

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NM2750211235
2. Page 1 of 1
3. Emergency Response Phone: (800) 762-0241
4. Waste Tracking Number: ~~Cowan-07-007~~ EC50-07-034

5. Generator's Name and Mailing Address
[redacted] Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007

Generator's Site Address (if different than mailing address)
~~Cowan S~~ [redacted] EC-50
Located off Range Rd ~~8~~ 17
White Sands Missile Range, NM

Generator's Phone:

6. Transporter 1 Company Name
[redacted] PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] 1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A Gallegos
[redacted]: [signature]
[redacted] Month 7 Day 3 Year 07

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN T GONZALEZ
[redacted] 209
[redacted]: [signature]
Month 7 Day 3 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: SANTOS GOMEZ
[redacted]: [signature]
[redacted] Month 7 Day 3 Year 07

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC 50-07 ~~Cowan-07-008~~ -035

GENERATOR

5. Generator's Name and Mailing Address
[redacted] White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Cowan Site~~ EC-50
Located off Range Rd. 17
White Sands Missile Range, NM

6. Transporter 1 Company Name
Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos
[redacted]: JAG
[redacted] Month Day Year: 7 3 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Gustavo Esparza Truck #: 524
Signature: Gustavo Esparza
Month Day Year: 7 3 07
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
[redacted] Printed/Typed Name: Jose
[redacted]:
[redacted] Month Day Year: 7 3 07

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ~~Cowan-07-009~~ EC50-07-036

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
(505) 678-1007 White Sands Missile Range, NM 88002
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Cowan~~ [redacted] EC-50
Located off Range Rd. ~~9~~ 17
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355~~
D + J TRUCKING
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature:
Month Day Year: 7 3 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marlene Arnold Truck #: 217
Signature: Marlene Arnold
Month Day Year: 07 03 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: JAntos GOMEZ
Signature: Jantos Gomez
Month Day Year: 7 3 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-37 ~~Cowan-07-010~~

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Cowan~~ EC-50
Located off Range Rd. ~~8~~ 17
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355~~
D-N-J Trucking
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] 1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature:
Month 7 Day 3 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez Truck #: 212
Signature:
Month 7 Day 3 Year 07

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez
Signature:
Month 7 Day 3 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ~~Cowan-07-011~~ EC50-07-038

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Cowan~~ [redacted] EC-50
Located off Range Rd. ~~8~~ 17
White Sands Missile Range, NM

6. Transporter 1 Company Name
Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] 1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTP
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature: [signature]
Month 7 Day 3 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods Truck #: 210
Signature: C E Woods
Month 7 Day 3 Year 7

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez
Signature: [signature]
Month 7 Day 3 Year 07

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

EC 50-07-031

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. EPA # 2750211235
Manifest Doc. No. ~~DEN-031~~
2. Page 1 of 1
White Sands Tech

3. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS~~ PW IMWE-PW
White Sands Missle Range, NM 88002

SWMU ~~168~~ 209
~~Denver Site~~ EC-50
White Sands Missile Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name
~~D-n-J Trucking~~ Rhino Environmental
6. US EPA ID Number NA
A. Transporter's Phone (505) 437-4136 or (505) 430-2455

7. Transporter 2 Company Name NA
8. US EPA ID Number NA
B. Transporter's Phone NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number NA
C. Facility's Phone (915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³ BTD
b. Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³ BTD
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
~~Cell D~~ Cell B Non Hazardous Diesel Impacted Soil

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Jose A. Gallegos
Signature:
Month 07 Day 03 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jerry Rueno
Signature:
Month 7 Day 03 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 1433
Alamogordo, NM 88311

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jose
Signature:
Month 7 Day 3 Year 07

Printed by J.J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

ECSO-07-040

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # 2750211235
Manifest Doc. No.: ~~DEN-018~~
2. Page 1 of 1
White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW WSM-IS-PW~~ IMWE-PW
White Sands Missile Range, NM 88002

SWMU ~~166~~ 209
~~Denver Site~~ ECSO
White Sands Missile Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: ~~J. Gomez Trucking~~ D-N-J Trucking
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 478-2121 or (505) 589-2107

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil – Nonhazardous – Non RCRA	1	Dump	20	yd³ B
b. Clean Desert Red Sand from Rhino's DP 1051	1	Dump	20	yd³ B
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
~~Cell D~~ Cell B

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Jose A. Gallegos
Signature:
Month 07 Day 03 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Marlene Arnold #217
Signature: Marlene Arnold
Month 07 Day 03 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 371
Sunland Park, NM 88063

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Santos Gomez
Signature: Santos Gomez
Month 7 Day 3 Year 07

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

EC50-07-04

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. EPA # 2750211235
Manifest Doc. No. ~~DEN 030~~
2. Page 1 of 1
White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS-PW~~ IMWE-PW
White Sands Missile Range, NM 88002

SWMU ~~166~~ 209
~~Denver Site~~ EC-50
White Sands Missile Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: D-n-J Trucking
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 437-4136 or (505) 430-2455

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM

10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil - Non Hazardous, Non RCRA	1	Dump	20	yd³ BD
b. Clean Desert Red Sand from Rhino's DP 1051	1	Dump	20	yd³ BD
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
~~Cell D~~ Cell B

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Jose A. Gallegos
Signature:
Month 07 Day 03 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: X STEVEN J GONZALEZ #209
Signature:
Month 7 Day 3 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 1433
Alamogordo, NM 88311

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SAntos GOMEZ
Signature:
Month 7 Day 3 Year 07

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

EC50-07-042

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # 2750211235
Manifest Doc. No.: ~~DEN 029~~
2. Page 1 of 1
White Sands Tech

3. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS-PW~~ IMWE-PW
White Sands Missle Range, NM 88002

SWMU ~~166~~ 209
~~Denver Site~~ EC-50
White Sands Missile Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: D-n-J Trucking
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 437-4136 or (505) 430-2455

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil – Non Hazardous, Non RCRA	1	Dump	20	yd³ BTD
b. Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³ BTD
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
~~Cell D~~ Cell B

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Jose A. Gallegos
Signature:
Month 07 Day 03 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: X Robert Sanchez
Signature:
Month 7 Day 3 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 1433
Alamogordo, NM 88311

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Santos Gomez
Signature:
Month 7 Day 3 Year 07

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

EC50-07-043

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. EPA # 2750211235 | Manifest Doc. No. ~~DEN-028~~ | 2. Page 1 of 1 | White Sands Tech

3. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS~~ IMWE-PW
White Sands Missle Range, NM 88002

SWMU ~~168~~ 209
~~Denver Site~~ EC-50
White Sands Missile Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: ~~D n J Trucking~~ Rhino Environmental
6. US EPA ID Number: NA
A. Transporter's Phone: (505) 437-4136 or (505) 430-2455

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone: (915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil – Non Hazardous, Non RCRA	1	Dump	20	yd³ BTD
b. Clean Desert Red Sand from Rhino's DP 1051	1	Dump	20	yd³ BTD
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
~~Cell D~~ Cell B

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Jose A. Gallegos | Signature | Month 07 Day 03 Year 07

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jerry Rivera | Signature | Month 7 Day 3 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space
Line 5 address: PO Box 1433
Alamogordo, NM 88311

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month 7 Day 3 Year 07

GENERATOR
TRANSPORTER
FACILITY

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number ~~Atom-07-015~~ EC50-07-044

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
(505) 678-1007 White Sands Missile Range, NM 88002
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Hardin Ranch Site~~ ~~Atom Site~~
Located off Range Rd. ~~331~~ 17 EC-50
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~D.n.J. Trucking, PO Box 1433, Alamogordo, NM 88311 - (505) 437-4136~~
Rhino Environmental
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	14 ~~28~~	yd³	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator/Offeror's Printed/Typed Name: Jose D. Gallegos
Signature: JDM
Month Day Year: 7 3 07

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gustavo Espaiza
[redacted] 524
Signature: Gustavo Espaiza
Month Day Year: 7 3 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jose
[redacted]
Signature
[redacted]
Month Day Year: 7 3 07

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

DEN-07-001

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. EPA # 2750211235	Manifest Doc. No. DEN-003	2. Page 1 of 1	White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address: White Sands Missile Range ~~IMSW-WSM-IS PW~~ IMWE-PW, White Sands Missle Range, NM 88002

SWMU 166, Denver Site, White Sands Missile Range, NM 88002

4. Generator's Phone (505 678-1007

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Rhino Environmental Services, Inc.	NA	(915) 886-4355 or (800) 762-0241
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
NA	NA	NA
9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Rhino's DP 1051 1.7 mls N of NM/TX state line Hwy 54, Otero County, NM	NA	(915) 886-4355 or (800) 762-0241 Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil, Non Hazardous, Non RCRA	1	Dump	20	yd³ BYD
b. Clean Desert Red Sand for Rhino's DP-1051	1	Dump	20	yd³ BYD
c.				
d.				

D. Additional Descriptions for Materials Listed Above: Non-Hazardous Diesel Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information: ~~Cell E~~ Cell B

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Jose A Gallegos		07	06	07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Gustavo Esparza	Gustavo Esparza	7	6	7

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

Line 5 address: PO Box 310, Canutillo, TX 79835

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Daniele Berardelli		7	6	07

Printed by J. J. KELLER & ASSOCIATES, INC. Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

DEN-07-002

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # 2750211235

Manifest Doc. No.: ~~DEN-008~~

2. Page 1 of 1

White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address

White Sands Missile Range
~~IMSW-WSM-IS~~ IMWE-PW
White Sands Missle Range, NM 88002

4. Generator's Phone (505) 678-1007

SWMU 166
Denver Site
White Sands Missile Range, NM 88002

TRANSPORTER

5. Transporter 1 Company Name: ~~Rhino Environmental Services, Inc.~~ D-N-J Trucking

6. US EPA ID Number: NA

A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA

8. US EPA ID Number: NA

B. Transporter's Phone: NA

FACILITY

9. Designated Facility Name and Site Address

Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM

10. US EPA ID Number: NA

C. Facility's Phone

(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil, Non-Hazardous Non RCRA	1	Dump	20	yd³
b. Clean Desert Red Sand from DP-1051	1	Dump	20 on 7-5-07	yd3 yd3
c.				
d.				

D. Additional Descriptions for Materials Listed Above

Non-Hazardous Diesel Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

~~Cell D~~ Cell B

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Jose A. Gallegos — Signature: [signature] — Month 07 Day 06 Year 07

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Marlene Arnold #217 — Signature: Marlene Arnold — Month 07 Day 06 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month . Day . Year .

19. Discrepancy Indication Space

Line 5 address: ~~PO Box 310 Canutillo, TX 79835~~

Alternate Transporter's Address:
PO Box 1433
Alamogordo, NM (505) 437-4136

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Santos Gomez — Signature: [signature] — Month 7 Day 6 Year 07

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

DEN-07-003

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. EPA.# 2750211235	Manifest Doc. No. ~~DEN-007~~	2. Page 1 of 1	White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS~~ DW IMWE-PW
White Sands Missle Range, NM 88002

SWMU 166
Denver Site
White Sands Missile Range, NM 88002

4. Generator's Phone (505 678-1007

5. Transporter 1 Company Name D-N-J Trucking ~~Rhino Environmental Services, Inc.~~
6. US EPA ID Number NA
A. Transporter's Phone (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name NA
8. US EPA ID Number NA
B. Transporter's Phone NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number NA
C. Facility's Phone (915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil Non Hazardous, Non RCRA	1	Dump	20	BTD yd³
b. Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³ BTD
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
~~Cell D~~ Cell B

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Jose A. Gallegos
Signature:
Month 07 Day 06 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Marlene Arnold #217
Signature: Marlene Arnold
Month 07 Day 06 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
~~Line 5 address:~~ ~~PO Box 310~~ ~~Carlsbad, NM 88220~~
Alternate Transporter's Address:
PO Box 1433
Alamogordo, NM (505) 437-4136

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Carlos Gomez
Signature:
Month 07 Day 06 Year 07

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

DEN-07-004

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. EPA # 2750211235	Manifest Doc. No. ~~DEN 006~~	2. Page 1 of 1	White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS-PW~~ IMWE-PW
White Sands Missle Range, NM 88002

SWMU 166
Denver Site
White Sands Missile Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Rhino Environmental Services, Inc.	NA	(915) 886-4355 or (800) 762-0241
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
NA	NA	NA
9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Rhino's DP 1051 1.7 mls N of NM/TX state line Hwy 54, Otero County, NM	NA	(915) 886-4355 or (800) 762-0241 Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil, Non Hazardous - Non RCRA	1	Dump	20	yd³
b. Clean Desert Red Sand for Rhino's DP 1051	1	Dump	20	yd³
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
~~Cell D~~ Cell B

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Jose A. Gallegos		07	06	07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Gustavo Esparza	Gustavo Esparza	7	6	7

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Daniele Berardelli		7	6	07

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

DEN-~~DEA~~-07-005

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # 2750211235
Manifest Doc. No.: ~~DEN-005~~
2. Page 1 of 1
White Sands Tech

3. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS-PW~~ IMWE-PW
White Sands Missle Range, NM 88002

4. Generator's Phone (505) 678-1007

SWMU 166
Denver Site
White Sands Missile Range, NM 88002

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil, Non Hazardous, Non RCRA	1	Dump	20	~~yd³~~ BTA
b. Clean Desert Red Sand for Rhino's DP-1051	1	Dump	20	~~yd³~~ BTA
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
~~Cell D~~ Cell B

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Jose A. Gallegos
Signature:
Month 07 Day 09 Year 07

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gustavo Esparza
Signature: Gustavo Esparza
Month 7 Day 9 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Daniele Bercerdulli
Signature:
Month 7 Day 9 Year 07

GENERATOR — TRANSPORTER — FACILITY

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

12-BLS-C5 Rev. 12/98

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

DEN-07-006

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # 2750211235

Manifest Doc. No.: ~~DEN-004~~

2. Page 1 of 1

White Sands Tech

3. Generator's Name and Mailing Address

White Sands Missile Range
~~IMSW-WSM-IS-PW~~ IMWE-PW
White Sands Missle Range, NM 88002

SWMU 166
Denver Site
White Sands Missile Range, NM 88002

4. Generator's Phone (505 678-1007

5. Transporter 1 Company Name: ~~Rhino Environmental Services, Inc.~~ D-N-J Trucking

6. US EPA ID Number: NA

A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA

8. US EPA ID Number: NA

B. Transporter's Phone: NA

9. Designated Facility Name and Site Address

Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM

10. US EPA ID Number: NA

C. Facility's Phone: (915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil, Non Hazardous, Non RCRA	1	Dump	20	yd³
b. Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³
c.				
d.				

D. Additional Descriptions for Materials Listed Above

Non-Hazardous Diesel Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

~~Cell D~~ Cell B

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Jose A. Gallegos — Signature: [signature] — Month 07 Day 09 Year 07

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Marlene Arnold #217 — Signature: Marlene Arnold — Month 07 Day 09 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year

19. Discrepancy Indication Space

Line 5 address: ~~PO Box 310 Canutillo, TX 79835~~

Alternate Transporter's address:
PO Box 1433
Alamogordo, NM (505) 437-4136

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Santos Gomez — Signature: Santos Gomez — Month 7 Day 9 Year 07

GENERATOR — TRANSPORTER — FACILITY

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number EPA # 2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Den-07-~~001~~ 007

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS~~ IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007

Generator's Site Address (if different than mailing address)
Denver Site
White Sands Missile Range, NM

Generator's Phone:

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos Signature: Month 7 Day 9 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN J GONZALEZ Truck #: 207 Signature: Month 7 Day 9 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: SAntos GOMEZ Signature: Month 7 Day 9 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number EPA # 2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Den-07-~~002~~ 008

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS~~ IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Denver Site
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136~~ Rhino Environmental
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature:
Month 7 Day 9 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gustavo Esparza Truck #: 524
Signature: Gustavo Esparza
Month 7 Day 9 Year 07

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Alternate Transporter
Rhino, PO Box 310, El Paso, TX (915) 886-4355
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Daniele Berardelli
Signature:
Month 7 Day 9 Year 07

BLS-C 5 11979 (Rev. 8/06)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number EPA # 2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Den-07-~~003~~ 009

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS~~ IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Denver Site
White Sands Missile Range, NM

6. Transporter 1 Company Name: D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136 — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
Facility's Phone: (915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos — Signature: [signature] — Month 7 Day 9 Year 7

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Steven J. Gonzales — Truck #: 209 — Signature: [signature] — Month 7 Day 9 Year 07

Transporter 2 Printed/Typed Name: — Signature: — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez — Signature: [signature] — Month 7 Day 9 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number EPA # 2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Den-07-~~004~~ 010

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS~~ IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Denver Site
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos Signature: Month 7 Day 10 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN J GONZALEZ Truck #: 209 Signature: Month 7 Day 10 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez Signature: Month 7 Day 10 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number EPA # 2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Den-07-~~005~~ 011

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS~~ IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
Denver Site
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator/Offeror's Printed/Typed Name: Jose A Collegos Signature: Month 7 Day 10 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods Truck #: 210 Signature: C E Woods Month 7 Day 10 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez Signature: Santos Gomez Month 7 Day 10 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number EPA # 2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Den-07-~~006~~ 012

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS~~ IMWE-PW
(505) 678-1007 White Sands Missile Range, NM 88002
Generator's Phone:

Generator's Site Address (if different than mailing address)
Denver Site
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Joseph Gallegos
Signature:
Month 7 Day 10 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez Truck #: 215
Signature:
Month 7 Day 10 Year 07

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: SANTOS GOMEZ
Signature:
Month 7 Day 10 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-001

GENERATOR

5. Generator's Name and Mailing Address
~~White Sands~~ Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gran Jean Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc. PO Box 310, Canutillo, TX 79835 - (915) 886-4355~~
D-N-J Trucking
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature: [signature]
Month 7 Day 12 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marlene Arnold Truck #: 217
Signature: Marlene Arnold
Month 07 Day 12 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: SANTOS GOMEZ
Signature: Santos Gomez
Month 7 Day 12 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-002

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gran Jean [redacted]
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355~~
D-N-J Trucking
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose-D Cocllegos [redacted]: JDM [redacted] Month 7 Day 12 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN J GONZALEZ Truck #: 209 Signature: Steven Gonzalez Month 7 Day 12 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: SANTOS GOMEZ [redacted]: Santos Gomez [redacted] Month 7 Day 12 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-003

GENERATOR

5. Generator's Name and Mailing Address
[redacted] White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gran Jean [redacted]
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name ~~Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355~~ D-N-J Trucking — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address [redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A Callejos — Signature: [redacted] JAM — [redacted] Month 7 Day 12 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods Truck #: 210 — Signature: CE Woods — Month 7 Day 12 Year 7

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Danny Gomez — Signature: [redacted] Danny Gomez — [redacted] Month 7 Day 12 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-004

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355~~ D-N-S Trucking
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
R[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose' A Gallegos
Signature:
Month 7 Day 12 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez Truck #: 206
Signature:
Month 7 Day 12 Year 07

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez
Signature:
Month 7 Day 12 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-005

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
(505) 678-1007 White Sands Missile Range, NM 88002
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gran Jean [redacted]
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos
[redacted]: [signature]
[redacted] Month Day Year: 7 12 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jerry Rivera Truck #: 525
Signature: [signature] Month Day Year: 7 12 07
Transporter 2 Printed/Typed Name: Signature: Month Day Year:

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
[redacted] Printed/Typed Name: Jose [signature]
[redacted]: [signature]
[redacted] Month Day Year: 7 12 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-006

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean[redacted] Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name: Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355 — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
Facility's Phone: (915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose N. Gallegos — Signature: [signature] — Month 7 Day 12 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gustavo Esparza — Truck #: 524 — Signature: [signature] — Month 7 Day 12 Year 07

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: [redacted] — Signature: [redacted] — Month [redacted] Day 12 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-007

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
Facility's Phone: (915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's Printed/Typed Name: Jose A. Gallegos Signature: [signature] Month 7 Day 13 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gustavo Esparza Truck #: 524 Signature: [signature] Month 7 Day 13 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: [signature] Signature: [signature] Month 7 Day 13 Year 07

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NM2750211235
2. Page 1 of 1
3. Emergency Response Phone: (800) 762-0241
4. Waste Tracking Number: Jean-07-008

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gran Jean [redacted]
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos
[redacted]: [signature]
[redacted] Month 7 Day 13 Year 07

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Rivera Truck #: 525
Signature: [signature]
Month 7 Day 13 Year 07

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Jose [signature]
[redacted]: [signature]
[redacted] Month 7 Day 13 Year 07

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-009

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean [redacted]
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name: ~~Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355~~ D-N-J trucking — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
~~Rhino's~~ DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
Facility's Phone: (915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
[redacted] Printed/Typed Name: Jose A. Gallegos — [redacted]: [signature] — [redacted] Month 7 Day 13 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Steven J Gonzalez Truck #: 209 — Signature: [signature] — Month 7 Day 13 Year 07
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
[redacted] Printed/Typed Name: Santos Gomez — [redacted]: [signature] — [redacted] Month 7 Day 13 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-010

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc. PO Box 310, Canutillo, TX 79835 - (915) 886-4355~~ D-N-J Trucking
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jesse A. Gallegos
[redacted]: JAM
[redacted] Month 7 Day 13 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods Truck #: 215 Signature: CE Woods Month 7 Day 13 Year 7

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Santos Gomez
[redacted]: Santos Gomez
[redacted] Month 7 Day 13 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-011

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gran Jean Site [redacted]
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 (915) 886-4355~~
D-N-S Trucking
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]51
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: **B** Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos
[redacted]: [signature]
[redacted] Month Day Year: 7 13 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez Truck #: 206
Signature: [signature]
Month Day Year: 7 13 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Santos Gomez
[redacted]: [signature]
[redacted] Month Day Year: 7 13 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-012

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355~~ D-N-J Trucking
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose'N Gallegos Signature: Month 7 Day 13 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Marlene Arnold Truck #: 217 Signature: Marlene Arnold Month 07 Day 13 Year 07
Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: SANTOS GOMEZ Signature: Santos Gomez Month 7 Day 13 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-013

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gran Jean Site [redacted]
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 210, Caputillo, TX 79835 - (915) 886-4355~~
D-N-J Trucking
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] 1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Generator's Printed/Typed Name: Jose A. Gallegos
[redacted] Signature:
[redacted] Month 7 Day 16 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Charles E Woods Truck #: 215
Signature: CE Woods
Month 7 Day 16 Year 07
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
[redacted] Printed/Typed Name: Ramos Gomez
[redacted] Signature: Ramos Gomez
[redacted] Month 7 Day 16 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-014

GENERATOR

5. Generator's Name and Mailing Address
[redacted]ssile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name: ~~Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355~~ D-N-S — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone: — U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos — Signature: [signature] — [redacted] Month 7 Day 16 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez Truck #: 206 — Signature: [signature] — Month 7 Day 16 Year 07

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: SANTOS GOMEZ — [redacted] Signature: Santos Gomez — [redacted] Month 7 Day 16 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-015

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gran Jean [redacted]
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator/Offeror's Printed/Typed Name: Jose A. Galleges
Signature: [signature]
Month Day Year: 7 16 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Marlene Arnold [redacted] 217
Signature: Marlene Arnold
Month Day Year: 07 16 07
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. [redacted] (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
[redacted]: SANTOS GOMEZ
Signature: [signature]
Month Day Year: 7 16 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-016

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator/Offeror's Printed/Typed Name: Jose' A. Gallegos Signature: [signature] Month 7 Day 16 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN V GONZALES Truck # 209 Signature: [signature] Month 7 Day 16 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: SANTOS GOMEZ Signature: [signature] Month 7 Day 16 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-017

GENERATOR

5. Generator's Name and Mailing Address
~~White Sands Missile~~ Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gran Jean Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~D.R.J. Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136~~ Rhino Environmental
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
~~Rhino's DP-1051~~
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos Signature: Month 7 Day 16 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Rivero Truck # 525 Signature: Month 7 Day 16 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name Signature Month Day Year

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-018

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name: ~~B-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 - (505) 437-4136~~ Rhino Environmental — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] 1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
Facility's Phone: (915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: Jose' A Gallegos — Signature: [signature] — Month 7 Day 16 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Gustavo Esparza Truck # 524 — Signature: Gustavo Esparza — Month 7 Day 16 Year 07
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: [signature] — Signature: [signature] — Month 7 Day 16 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-019

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gran [redacted]
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature: [redacted]
Month Day Year: 7 17 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods [redacted] 215
Signature: CE Woods
Month Day Year: 7 17 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: J Antos Gomez
Signature: [redacted] Santos Gomez
Month Day Year: 7 17 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-020

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name: D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136 — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
Facility's Phone: (915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos — Signature: [signature] — Month 7 Day 17 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez Truck# 206 — Signature: [signature] — Month 7 Day 17 Year 07

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez — Signature: [signature] — Month 7 Day 17 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-021

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean Site [redacted]
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name: [redacted] Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136 — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone: — U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Gallegos — Signature: [signature] — Month 7 Day 17 Year 07

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marlene Arnold Truck # 217 — Signature: Marlene Arnold — Month 07 Day 17 Year 07

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: SANTOS GOMEZ — Signature: [signature] — Month 7 Day 17 Year 07

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-022

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gran Jean [redacted] Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] ~~D.R.J. Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136~~ Rhino Environmental
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos [redacted] Signature: [redacted] Month 7 Day 17 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gustavo Esparza [redacted] Truck #: 524 [redacted] Signature: Gustavo Esparza Month 7 Day 17 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Jose Gallegos [redacted] Signature: [redacted] Month 7 Day 17 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-023

GENERATOR

5. Generator's Name and Mailing Address
[redacted]ite Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~B-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 (505) 437-4136~~ Rhino Environmental
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] ~~DP-1051~~
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature: [signature]
Month Day Year: 7 17 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jerry Rivera Truck# [redacted]
Signature: [signature]
Month Day Year: 7 17 07
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: [redacted]
Signature: [redacted]
Month Day Year: 7 17 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-024

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name: D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136 — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone: — U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose' A. Gallegos — Signature: [signature] — Month 7 Day 17 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: STEVEN Howzhler Truck# 209 — Signature: Steven Mangely — Month 7 Day 17 Year 07
Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: SANTOS GOMEZ — Signature: [signature] — Month 7 Day 17 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-025

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
(505) 678-1007 White Sands Missile Range, NM 88002
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gran Jean Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's or Agent's Printed/Typed Name: Jose A. Gallegos
Signature:
Month Day Year: 7 18 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Marlene Arnold Truck #: 217
Signature: Marlene Arnold
Month Day Year: 07 18 07
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Jerry Rivera
Signature:
Month Day Year: 7 18 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-026

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean[redacted]Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
R[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose' A. Gallegos
Signature: [signature]
Month 7 Day 18 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods Truck #: 215
Signature: CE Woods
Month 7 Day 18 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jerry Rivera
Signature: [signature]
Month 7 Day 18 Year 07

169-BLS-C 5 11979 (Rev. 8/06)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-027

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gran Jean Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos Signature: Month 7 Day 18 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez Truck #: 206 Signature: Month 7 Day 18 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name Signature Month Day Year 07

169-BLS-C 5 11979 (Rev. 8/06) DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-028

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gran Jean Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
Jen-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
R[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose D. Gallegos
Signature:
Month 7 Day 18 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN J GONZALEZ
Truck #: 209
Signature: Steven J Gonzalez
Month 7 Day 18 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jerry Rivera
Signature:
Month 7 Day 18 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-029

GENERATOR

5. Generator's Name and Mailing Address
[redacted] White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean Site [redacted]
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136~~ Rhino Environmental
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos Signature: [signature] Month 7 Day 18 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

[redacted] Printed/Typed Name: Gustavo Esparza [redacted] Truck #: 524 [redacted] Signature: [signature] [redacted] Month 7 Day 18 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Daniele Berardelli [redacted] Signature: [signature] [redacted] Month 7 Day 18 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-030

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean Site [redacted]
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~B-H-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136~~ Rhino Environmental
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos | [redacted] | [redacted] Month 7 Day 18 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
[redacted] Transporter 1 Printed/Typed Name: Jerry Rivero [redacted] Truck # 525 | [redacted] Signature | [redacted] Month 7 Day 18 Year 07
Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
[redacted] Printed/Typed Name | [redacted] Signature | [redacted] Month 7 Day 18 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-031

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
MWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean Site
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Operator's Printed/Typed Name: Jose A. Gallegos
Signature:
Month Day Year: 7 19 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez Truck#: 212
Signature:
Month Day Year: 7 19 07

Transporter 2 Printed/Typed Name: Robert Sanchez RS
Signature:
Month Day Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name:
Signature:
Month Day Year: 7 17 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-032

5. Generator's Name and Mailing Address
[redacted] Missile Range
[redacted]
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gran Jean Site [redacted]
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted], PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
R[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos
Signature:
[redacted] Month 7 Day 9 Year 07

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Charles E Woods [redacted] 215
Signature: CE Woods
Month 7 Day 9 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Jose
Signature
[redacted] Month 7 Day 9 Year 07

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-033

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gran Jean [redacted]
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's Printed/Typed Name: Jose A. Gallegos [redacted] Month 7 Day 19 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: STEVEN J GONZALEZ [redacted] Truck# 207 Signature: Steven J Gonzalez Month 7 Day 19 Year 07
Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Jose [redacted] Signature [redacted] Month 7 Day 19 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-034

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Gran Jean Site [redacted]
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name: [redacted] Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address: [redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator/Offeror's Printed/Typed Name: Jose' A. Gallegos Signature: [signature] Month 7 Day 17 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marlene Arnold Truck #: 217 Signature: Marlene Arnold Month 07 Day 19 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: [redacted] Signature: [redacted] Month [redacted] Day 19 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-035

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
(505) 678-1007 White Sands Missile Range, NM 88002
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gran Jean Site [redacted]
Located off Range Rd. 17 near Range Rd. 22
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~D.H.J. Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136~~ Rhino Environmental
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: Jose N. Gallegos
[redacted] Signature
[redacted] Month 7 Day 19 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jerry Rivera [redacted] Truck # 525
[redacted] Signature
Month 7 Day 19 Year 07
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
[redacted] Printed/Typed Name
[redacted] Signature
[redacted] Month Day Year 7/19/07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number EPA # 2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-036 ~~Den-07-007~~

GENERATOR

5. Generator's Name and Mailing Address

White Sands Missile Range
~~IMSW-WSM-IS-~~ IMWE-PW
White Sands Missile Range, NM 88002

Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)

~~Denver Site~~ Gran Jean
White Sands Missile Range, NM

6. Transporter 1 Company Name: D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136 — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address

Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM

Facility's Phone: (915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358

U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos — Signature: [signature] — Month 7 Day 20 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods Truck #: 215 — Signature: C.E. Woods — Month 7 Day 20 Year 7

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jerry Rivero — Signature: [signature] — Month 7 Day 20 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number EPA # 2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-037 ~~Den-07-000~~

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS~~ IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Denver Site~~ Gran Jean
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose D. Gallegos Signature: Month 7 Day 20 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Sanchez Truck #: 212 Signature: Month 7 Day 20 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jenny Rivera Signature: Month 7 Day 20 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number EPA # 2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jun-07-038 ~~Den-07-000~~

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS~~ IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Denver Site~~ Gran Jean
White Sands Missile Range, NM

6. Transporter 1 Company Name: Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
Facility's Phone: (915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: **B** Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose D. Gallegos — Signature: [signature] — Month 7 Day 20 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jenny Rivano Truck #: 525 — Signature: [signature] — Month 7 Day 20 Year 07
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Jose [signature] — Signature: [signature] — Month 7 Day 20 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number EPA # 2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-039 ~~Den-07-010~~

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS~~ IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Denver Site~~ Gran Jean
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835~~ D-N-J Trucking
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
Facility's Phone: (915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Coellego
Signature
Month 7 Day 20 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marlene Arnold Truck #: 217
Signature: Marlene Arnold
Month 07 Day 20 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jerry Rivera
Signature
Month 7 Day 20 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number EPA # 2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-040 ~~Den-07-011~~

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS~~ IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Denver Site~~ GRAND JEAN
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835~~ D+J TRUCKING
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Lavegos
Signature:
Month 07 Day 20 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN GONZALEZ Truck #: 209
Signature:
Month 7 Day 20 Year 07

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jenny Rivera
Signature:
Month 7 Day 20 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number EPA # 2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Jean-07-041 ~~Den-07-012~~

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
~~IMSW-WSM-IS~~ IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Denver Site~~ JRAND JEAN
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835~~ D-N-J Trucking
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: Jose N. Gallegos
Signature:
Month 7 Day 23 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Charles E Woods Truck #: 215
Signature: CEWoods
Month 7 Day 23 Year 7
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: S Antos
Signature: Santos Gomez
Month 7 Day 23 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Hardin-07-001

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
Hardin Ranch Site
Located off Range Rd. 5
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 (915) 886-4355~~ D-N-J Trucking
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Gallegos
Signature: [redacted]
Month 7 Day 25 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Roberto Sanchez
Truck #: 212
Signature:
Month 7 Day 25 Year 07

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jerry Rivera
Signature:
Month 7 Day 25 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Hardin-07-002

GENERATOR

5. Generator's Name and Mailing Address
~~White Sands~~ Missile Range
TMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
Hardin Ranch Site
Located off Range Rd. 5
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 (915) 886-4355~~ D-1-3 Trucking
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] 1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Gallegos
[redacted] Signature:
[redacted] Month Day Year: 7 25 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Charles E Woods Truck #: 215 Signature: CE Woods Month Day Year: 7 25 7
Transporter 2 Printed/Typed Name: Signature: Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
[redacted] Printed/Typed Name: Jerry Rivera
[redacted] Signature:
[redacted] Month Day Year: 7 25 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Hardin-07-003

GENERATOR

5. Generator's Name and Mailing Address
~~White Sands Missile Range~~
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Hardin Ranch Site
Located off Range Rd. 5
White Sands Missile Range, NM

6. Transporter 1 Company Name: ~~Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355~~ D-N-J trucking — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone: — U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	~~20~~	yd³	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A Gallegos — [redacted]: [signature] — Month 7 Day 25 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marlene Arnold Truck #: 277 — Signature: Marlene Arnold — Month 07 Day 25 Year 07

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

[redacted] Printed/Typed Name: Jerry Rivera — [redacted]: [signature] — [redacted] Month 7 Day 25 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Hardin-07-004

GENERATOR

5. Generator's Name and Mailing Address
[redacted] White Sands Missile Range
IMWE-PW
(505) 678-1007 White Sands Missile Range, NM 88002
Generator's Phone:

Generator's Site Address (if different than mailing address)
Hardin Ranch Site
Located off Range Rd. 5
White Sands Missile Range, NM

6. Transporter 1 Company Name ~~Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355~~ D-N-J Trucking — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address [redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Gallegos — Signature: [redacted] — Month 7 Day 25 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Steven J Gonzalez Truck #: 207 — Signature: Steven J Gonzalez — Month 7 Day 25 Year 07

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jerry Rivera — Signature: [redacted] — Month 7 Day 25 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Hardin-07-005

GENERATOR

5. Generator's Name and Mailing Address
[redacted]ssile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Hardin Ranch Site
Located off Range Rd. 5
White Sands Missile Range, NM

6. Transporter 1 Company Name: Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose D Gallegos Signature: [signature] Month 07 Day 25 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Rivera Truck #: 525 Signature: [signature] Month 7 Day 25 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jose [signature] Signature: [redacted] Month 7 Day 25 Year 07

169-BLS-C 5 11979 (Rev. 8/06) DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Hardin-07-006

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Hardin Ranch Site
Located off Range Rd. 5
White Sands Missile Range, NM

6. Transporter 1 Company Name: Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355 — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Gallegos — Signature: [signature] — Month Day Year: 07 25 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Gustavo Esparza Truck #: 524 — Signature: [signature] — Month Day Year: 7 25 07
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Jose — Signature: [signature] — Month Day Year: 7 25 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Hardin-07-007

GENERATOR

5. Generator's Name and Mailing Address
[redacted] White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Hardin Ranch Site
Located off Range Rd. 5
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Trucking, PO Box 1433, Alamogordo, NM 88311 - (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Gallegos Signature: [signature] Month Day Year: 7 26 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marlene Arnold Truck # 217 Signature: Marlene Arnold Month Day Year: 07 26 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez Signature: [signature] Month Day Year: 7 26 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Hardin-07-008

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Hardin Ranch Site
Located off Range Rd. 5
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Box 1433, Alamogordo, NM 88311 - (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information
Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
[redacted] Printed/Typed Name: Jose A Gallegos
[redacted]: [signature]
[redacted] Month Day Year: 7 26 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Robert Sanchez [redacted] 212
[redacted]: [signature]
[redacted] Month Day Year: 7 26 07
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Santos Gomez
[redacted]: [signature]
[redacted] Month Day Year: 7 26 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Hardin-07-009

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Hardin Ranch Site
Located off Range Rd. 5
White Sands Missile Range, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 - (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator/Offeror's Printed/Typed Name: Jose D Gallegos Signature: [signature] Month 7 Day 26 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN J GONZALEZ Truck # 209 Signature: [signature] Month 7 Day 26 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jerry Rivero Signature: [signature] Month 7 Day 26 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Hardin-07-010

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Hardin Ranch Site
Located off Range Rd. 5
White Sands Missile Range, NM

6. Transporter 1 Company Name: Dan-J Trucking, PO Box 1433, Alamogordo, NM 88311 - (505) 437-4136 — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone: — U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator/Owner's Printed/Typed Name: Jose A Gallegos — Signature: [redacted] — Month Day Year: 07 26 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods Truck # 215 — Signature: CE Woods — Month Day Year: 7 26 07

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez — Signature: Santos Gomez — Month Day Year: 7 26 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Hardin-07-011

GENERATOR

5. Generator's Name and Mailing Address
[redacted]Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
Hardin Ranch Site
Located off Range Rd. 5
White Sands Missile Range, NM

6. Transporter 1 Company Name: ~~S-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 (505) 437-4136~~ Rhino Env. — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone: — U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A Gallegos — [redacted]: JAG — [redacted] Month Day Year: 7 26 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jenny Rivera — [redacted]: 525 — [redacted]: — [redacted] Month Day Year: 7 26 07
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
[redacted] Printed/Typed Name: Jose — [redacted] — [redacted] Month Day Year: 7 26 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Harriet-07-001

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Hardin Ranch Site~~ Harriet Site
Located off Range Rd. 5
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 - (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] 051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos [redacted] [redacted] Month 07 Day 23 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
[redacted] Printed/Typed Name: Robert Sanchez [redacted] 212 [redacted] [redacted] Month 7 Day 23 Year 07
Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☒ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
[redacted] Printed/Typed Name: Santos Gomez [redacted] [redacted] Month 7 Day 23 Year 07

169-BLS-C 5 11979 (Rev. 8/06) DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Harriet-07-002

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Hardin Ranch Site~~ Harriet Site
Located off Range Rd. 5
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] Trucking, PO Box 1433, Alamogordo, NM 88311 - (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: Jose A. Gallegos [redacted] [redacted] Month Day Year: 07 23 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
[redacted] Printed/Typed Name: Warlenz Arnold [redacted] [redacted] [redacted] Month Day Year: 07 23 07
Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
[redacted] Printed/Typed Name: SANTOS GOMEZ [redacted] [redacted] Month Day Year: 7 23 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Harriet-07-003

GENERATOR

5. Generator's Name and Mailing Address
~~White Sands~~ Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
~~Hardin Ranch Site~~ Harriet Site
Located off Range Rd. 5
White Sands Missile Range, NM

6. Transporter 1 Company Name: D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 - (505) 437-4136 — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address: [redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone: — U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator/Offeror's Printed/Typed Name: Jose' D. Gallegos — Signature: [signature] — Month Day Year: 07 23 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Steven Garcia — Truck: 209 — Signature: [signature] — Month Day Year: 7 23 07

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez — Signature: [signature] — Month Day Year: 7 23 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number Harriet-07-004

GENERATOR

5. Generator's Name and Mailing Address
[redacted] White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
(505) 678-1007
Generator's Phone:

Generator's Site Address (if different than mailing address)
~~Hardin Ranch Site~~ Harriet Site
Located off Range Rd. 5
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~D.R.J. Trucking, PO Box 1433, Alamogordo, NM 88311 - (505) 437-4130~~ Rhino Environmental
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Operator's Printed/Typed Name: Jose A Gallegos [redacted] Signature: [signature] [redacted] Month Day Year: 7 24 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jerry Rucho [redacted] 525 Signature: [signature] [redacted] Month Day Year: 7 24 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jose Gallegos [redacted] Signature: [signature] [redacted] Month Day Year: 7 24 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number NE50-07-001

GENERATOR

5. Generator's Name and Mailing Address
White Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
NE-50
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name: ~~D-n-L Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136~~ Rhino Environmental — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address: [redacted] 1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone: — U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A Gevllegos — Signature: [signature] — Month 7 Day 5 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Gustavo Espanza — Truck#: 524 — Signature: [signature] — Month 7 Day 5 Year 7
Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: [signature] — Signature: [signature] — Month 7 Day 5 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number NE50-07-002

GENERATOR

5. Generator's Name and Mailing Address
[redacted]s Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
[redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
[redacted] PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]51
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	BTD 7-3-07
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

[redacted] Printed/Typed Name: JOSE A. Gallegos Signature: [redacted] Month 7 Day 5 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. ✓ Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVEN J GONZALEZ [redacted] 209 Signature: [redacted] Month 7 Day 5 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez Signature: [redacted] Month 7 Day [redacted] Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number NE50-07-003

GENERATOR

5. Generator's Name and Mailing Address
[redacted]ds Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
[redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name: [redacted]-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address: [redacted]1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos Signature: [signature] Month 7 Day 5 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods [redacted] 210 Signature: CE Woods Month 7 Day 5 Year 7

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: JAntos Gomez Signature: [signature] Month 7 Day 5 Year 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number NE50-07-004

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
[redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name
~~Rhino Environmental Services, Inc. PO Box 310, Canutillo, TX 79835 - (915) 886-4355~~
Dan's Trucking
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted] 1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	BTD brashton 7-3-07
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Jose A. Gallegos
Signature: [redacted]
Month Day Year: 7 5 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Marlene Arnold Truck #: 217 Signature: Marlene Arnold Month Day Year: 07 05 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Sanjos Gomez
Signature: Xavier Gomez
Month Day Year: 7 5 07

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number NE50-07-005

GENERATOR

5. Generator's Name and Mailing Address
[redacted] Sands Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
[redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name: Rhino Environmental Services, Inc., PO Box 310, Canutillo, TX 79835 - (915) 886-4355 — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd³	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd³	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Joseph Gallegos — Signature: [redacted] — Month Day Year: 7 5 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gustavo Esparza Truck #: 524 — Signature: Gustavo Esparza — Month Day Year: 7 5 7

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jose Tolan — Signature: [redacted] — Month Day Year: 7 5 07

DESIGNATED FACILITY TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235
Manifest Doc. No.: ORC-001
2. Page 1 of 1
White Sands Tech

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-~~[illegible]~~ PW-E-EC
White Sands Missle Range, NM 88002

ORC Commo Site (CCWS-29, SWMU 203)
Off Range Rd. 8
White Sands Missile Range, NM 88002

4. Generator's Phone (505 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil (~~[illegible]~~)	1	Dump	20	yd³
b. Clean Fill Dirt	1	Dump	20	yd³
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell D

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Jose A. Gallegos
Signature:
Month 06 Day 19 Year 06

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jerry Rivero
Signature:
Month 6 Day 19 Year 06

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jose Pelu
Signature:
Month 6 Day 19 Year 06

GENERATOR
TRANSPORTER
FACILITY

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235
Manifest Doc. No.: ORC-002
2. Page 1 of 1
White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-TS PW – E-EC
White Sands Missle Range, NM 88002

ORC Commo Site (CCWS-29, SWMU 203)
Off Range Rd. 8
White Sands Missile Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b. Clean Fill Dirt.	1	Dump	20	yd³
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell D

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: JOSE A. GALLEGOS
Signature:
Month 06 Day 19 Year 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gustavo Esparza
Signature: Gustavo Esparza
Month 6 Day 19 Year 06

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jose Pedro
Signature:
Month 6 Day 19 Year 06

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235
Manifest Doc. No.: ORC-003
2. Page 1 of 1
White Sands Tech

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-~~18~~ PW-E-EC
White Sands Missle Range, NM 88002

ORC Commo Site (CCWS-29, SUMU) 203
Off Range Rd. 8
White Sands Missile Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone: (915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd^3
b. Clean Fill Dirt	1	Dump	20	yd^3
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell D

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: JOSE A. GALLEGOS
Signature:
Month 06 Day 20 Year 06

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jerry Rivera
Signature:
Month 6 Day 20 Year 06

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jose Peña
Signature:
Month 6 Day 20 Year 06

GENERATOR
TRANSPORTER
FACILITY

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

12-BLS-C5 Rev. 12/98

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235
Manifest Doc. No.: ORC-004
2. Page 1 of 1
White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-~~DE~~ PW-E-EC
White Sands Missle Range, NM 88002

ORC Commo Site (CCWS-29, SWMU 203)
Off Range Rd. 8
White Sands Missile Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b. Clean Fill Dirt	1	Dump	20	yd³
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell D

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: JOSE A. GALLEGOS
Signature:
Month 06 Day 20 Year 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gustavo Esparza
Signature: Gustavo Esparza
Month 06 Day 20 Year 06

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jose
Signature:
Month 6 Day 20 Year 06

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Rhino Environmental Services, Inc.
P. O. Box 310, Canutillo, Texas 79835
Phone (915) 886-4355 • Fax (915) 886-4358
rhinoabq@hotmail.com • www.rhinoservices.net

August 8, 2007

White Sands Technical Services
Attn: Brad Davis
PO Box 363, Building 126, 3rd Floor
White Sands Missile Range, NM 88002
Ph: (505) 678-3397
Fx: (505) 678-6096

Re: D-n-J Trucking
Hwy 54, Mile Marker 24
Otero County, NM

Dear Mr. Davis,

The following summarizes construction activities completed by Rhino Environmental Services, Inc. (Rhino) to remediate areas impacted along Hwy 54 south, mile marker 24, Otero County, NM.

July 2, 2007:

Charles E. Woods (truck #206) of D-n-J Trucking (D&J) was transporting approximately 20 yd^3 of non-hazardous diesel impacted soil from White Sands Missile Range. At approximately 4:30 pm, truck 206 had a tire blowout on the trailer. A section of tire from the blowout impacted the manual control lever on the belly dump, causing the dump gates to open and release the load onto the Hwy 54 southbound lane just south of mile marker 24.

NM Hwy Patrol was the first to respond and arranged for a highway department snow plow to push all soils off the road surface onto the shoulder.

At 5:30 pm Rhino personnel arrived and secured the site. Shovels and brooms were used to remove residual soils from the road surface. At approximately 6:00 pm a loader provided by D-n-J proceeded to remove soils from the impacted area and load the material directly into a Rhino truck. Under manifest, the material was transported to Rhino's DP-1051 landfarm facility for proper disposal.

Once contaminated soils were removed from the shoulder area, a sample was collected every fifty feet along the impacted area. Six (6) samples were collected and properly prepared for shipment to Assaigai Analytical Laboratories (Assaigai). Each sample was submitted to be analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015B for diesel range organics and purgeable volatile organic compounds (VOCs) by EPA method 8021B.

July 11, 2007:

The laboratory report was received and all samples analyzed for VOCs returned as non-detect. Four of the six samples collected and analyzed for TPH were above 100 mg/Kg. See attached analytical report for complete laboratory results.

Initial Sampling – TPH Results		
Date	**Sample**	**Result (mg/Kg)**
7/2/2007	0-50	260
7/2/2007	50-100	470
7/2/2007	100-150	340
7/2/2007	150-200	160
7/2/2007	200-250	ND
7/2/2007	250-300	46

July 12, 2007:

Rhino personnel returned to the site and collected one native soil sample approximately 50 feet north and one native sample 50 feet south of the area impacted by the spill. Each sample was submitted for TPH analysis by EPA method 8015B, diesel range organics. These samples serve as background information for the area. Analytical results follow:

Background Sample – TPH Results		
Date	**Sample**	**Result (mg/Kg)**
7/12/2007	N of Spill	ND
7/12/2007	S of Spill	50

July 30, 2007:

To achieve clean-up levels closer to background results, Rhino and D-n-J personnel returned to the impacted site to continue removal activities on all areas demonstrating TPH levels above 50 mg/kg.

Additional soils were removed and loaded directly into a trailer. Once all areas of concern were scraped, Rhino's field technician collected three (3) confirmation samples for analysis in the field using a photoionization detector (PID). All samples demonstrated no detectable levels of volatile organic compounds by PID. The three samples were then properly prepared for shipment to Assaigai. Each sample was submitted for TPH analysis by EPA method 8015B, diesel range organics. Final analytical results follow:

D&J Trucking-2 – TPH Results		
Date	**Sample**	**Result (mg/Kg)**
7/30/2007	0-50	ND
7/30/2007	50-100	47
7/30/2007	150-200	52

All results report TPH levels in line with background sample results. Confirmation analyses demonstrate impacted soils were effectively removed from the area. See attached analytical report for complete laboratory results.

To summarize remediation activities, two (2) loads of impacted soil totaling 24 yd^3 were transported to Rhino's DP-1051 facility for treatment and final disposition (Manifests Attached). Impacted soils were effectively removed from the impacted area of the shoulder area on Hwy 54.

Please feel free to contact the office if you have any questions or need any additional information.

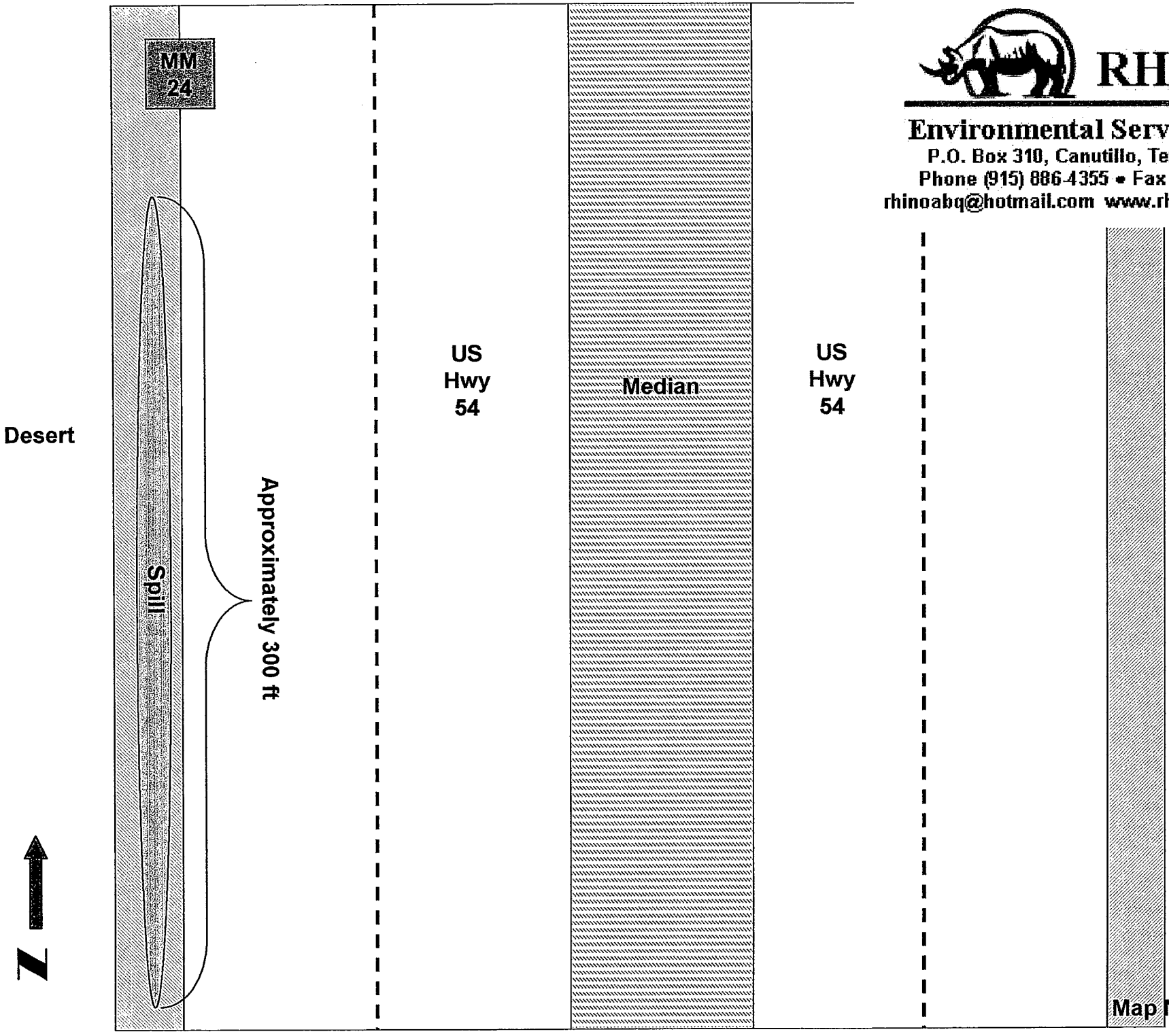
Sincerely,

Jose L. Ojeda
Environmental Assistant

Attachments:

- Manifest EC50-07-028
- Manifest D&J-07-001
- Assaigai Analytical Analysis
    - DJ Trucking (7/02/07)
    - D&J Back Ground Sample (7/12/07)
    - D&J Trucking-2 (7/30/07)
- Site Map

CC
D-n-J Trucking
Attn: Danny Lucero
PO Box 1433
Alamogordo, NM 88311-1433



RHINO
Environmental Services, Inc.
P.O. Box 310, Canutillo, Texas 79835
Phone (915) 886-4355 • Fax (915) 886-4358
rhinoabq@hotmail.com www.rhinoservices.net

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NM2750211235	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number EC50-07-028

GENERATOR

5. Generator's Name and Mailing Address
[redacted]-Missile Range
IMWE-PW
White Sands Missile Range, NM 88002
Generator's Phone: (505) 678-1007

Generator's Site Address (if different than mailing address)
EC-50[redacted]
Located off Range Rd. 17 near Range Rd. 6
White Sands Missile Range, NM

6. Transporter 1 Company Name: D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136 — U.S. EPA ID Number: NA

7. Transporter 2 Company Name: NA — U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
[redacted]
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
Facility's Phone: (915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	20	yd^3	BTD
2.	Clean Desert Red Sand from Rhino's DP-1051	1	Dump	20	yd^3	BTD
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's (Otero's) Printed/Typed Name: Jose A Gallegos — Signature: [signature] — Month 7 Day 2 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Charles E Woods — Truck #: 206 — Signature: CE Woods — Month 7 Day 2 Year 7

Transporter 2 Printed/Typed Name: Jerry Rivero — Rhino Environmental PO Box 310, Carrizzillo, TX — Signature: [signature] — Month 7 Day 2 Year 07

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
– load lost at mile marker 24 Hwy 54 near Orogrande
– Brought 1 load of clean fill on 7-3-07
Lost load re-loaded + transported to designated facility. DB
Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Daniele Berardelli — Signature: [signature] — Month Day Year

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (800) 762-0241	4. Waste Tracking Number D&J-07-001

GENERATOR

5. Generator's Name and Mailing Address
D&J Trucking
PO Box 1433
Alamogordo, NM 88311
Generator's Phone: (505) 437-4136

Generator's Site Address (if different than mailing address)
Mile Marker 24
Hwy 54
Otero County, NM

6. Transporter 1 Company Name
D-n-J Trucking, PO Box 1433, Alamogordo, NM 88311 – (505) 437-4136
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
NA
U.S. EPA ID Number: NA

8. Designated Facility Name and Site Address
Rhino's DP-1051
1.7 miles N. of NM/TX state line
Hwy 54, Otero County, NM
(915) 886-4355 or (800) 762-0241. Fax: (915) 886-4358
Facility's Phone:
U.S. EPA ID Number: NA

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Hazardous, Non-RCRA Hydrocarbon Impacted Soil	1	Dump	4	yd^3	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

Cell: B Non-Hazardous Diesel Impacted Soil

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Danny Lucero Signature: [signature] Month 7 Day 30 Year 07

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Danny Lucero Truck #: Signature: [signature] Month 7 Day 30 Year 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Santos Gomez Signature: [signature] Month 7 Day 30 Year 07

ASSAIGAI ANALYTICAL LABORATORIES, INC.

P.O. Box 90430 • Albuquerque, New Mexico 87199 • (505) 345-8964 • FAX (505) 345-7259

3332 Wedgewood, Ste. N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820

127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

RHINO ENVIRONMENTAL
attn: **DANIELLE BERARDELLI/J. OJEDA**
PO BOX 310
CANUTILLO TX 79835

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **RHINO ENVIRONMENTAL**
Project: **DJ TRUCKING**
Order: **0707143** **RHI01E** Receipt: **07-03-07**

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***0-50*** Collected: *07-02-07 9:00:00* By: *DH*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0707143-0001A		**SW846 5035B/8021B Purgeable VOCs by GC/PID**					By:	RW		
V07389	XG.2007.1013.5	71-43-2	Benzene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.5	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.5	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.5	179601-23-1	p/m-Xylenes	ND	mg/Kg	1	0.01	1	07-06-07	07-06-07
V07389	XG.2007.1013.5	108-88-3	Toluene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
0707143-0001A		**SW846 8015B Diesel Range Organics by GC/FID**					By:	RW		
S07392	XG.2007.1022.19		Diesel Range Organics	260	mg/Kg	1	25		07-06-07	07-10-07

Sample: ***50-100*** Collected: *07-02-07 9:10:00* By: *DH*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0707143-0002A		**SW846 5035B/8021B Purgeable VOCs by GC/PID**					By:	RW		
V07389	XG.2007.1013.8	71-43-2	Benzene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.8	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.8	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.8	179601-23-1	p/m-Xylenes	ND	mg/Kg	1	0.01	1	07-06-07	07-06-07
V07389	XG.2007.1013.8	108-88-3	Toluene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
0707143-0002A		**SW846 8015B Diesel Range Organics by GC/FID**					By:	RW		
S07392	XG.2007.1022.12		Diesel Range Organics	470	mg/Kg	1	25		07-06-07	07-10-07

Member:
American Council of
Independent Laboratories, Inc.

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Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **RHINO ENVIRONMENTAL**
Project: **DJ TRUCKING**
Order: **0707143** **RHI01E** Receipt: **07-03-07**

Sample: ***100-150*** Collected: *07-02-07 9:20:00* By: *DH*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0707143-0003A		**SW846 5035B/8021B Purgeable VOCs by GC/PID**						By: RW		
V07389	XG.2007.1013.9	71-43-2	Benzene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.9	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.9	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.9	179601-23-1	p/m-Xylenes	ND	mg/Kg	1	0.01	1	07-06-07	07-06-07
V07389	XG.2007.1013.9	108-88-3	Toluene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
0707143-0003A		**SW846 8015B Diesel Range Organics by GC/FID**						By: RW		
S07392	XG.2007.1022.15		Diesel Range Organics	340	mg/Kg	1	25		07-06-07	07-10-07

Sample: ***150-200*** Collected: *07-02-07 9:30:00* By: *DH*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0707143-0004A		**SW846 5035B/8021B Purgeable VOCs by GC/PID**						By: RW		
V07389	XG.2007.1013.10	71-43-2	Benzene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.10	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.10	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.10	179601-23-1	p/m-Xylenes	ND	mg/Kg	1	0.01	1	07-06-07	07-06-07
V07389	XG.2007.1013.10	108-88-3	Toluene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
0707143-0004A		**SW846 8015B Diesel Range Organics by GC/FID**						By: RW		
S07392	XG.2007.1022.16		Diesel Range Organics	160	mg/Kg	1	25		07-06-07	07-10-07

Sample: ***200-250*** Collected: *07-02-07 9:40:00* By: *DH*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0707143-0005A		**SW846 5035B/8021B Purgeable VOCs by GC/PID**						By: RW		
V07389	XG.2007.1013.11	71-43-2	Benzene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.11	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.11	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.11	179601-23-1	p/m-Xylenes	ND	mg/Kg	1	0.01	1	07-06-07	07-06-07
V07389	XG.2007.1013.11	108-88-3	Toluene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
0707143-0005A		**SW846 8015B Diesel Range Organics by GC/FID**						By: RW		
S07392	XG.2007.1022.17		Diesel Range Organics	ND	mg/Kg	1	25		07-06-07	07-10-07

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **RHINO ENVIRONMENTAL**

Project: **DJ TRUCKING**

Order: **0707143** **RHI01E** Receipt: **07-03-07**

Sample: ***250-300*** Collected: *07-02-07 9:50:00* By: *DH*

Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0707143-0006A		**SW846 5035B/8021B Purgeable VOCs by GC/PID**					By:	RW		
V07389	XG.2007.1013.12	71-43-2	Benzene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.12	100-41-4	Ethylbenzene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.12	95-47-6	o-Xylene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
V07389	XG.2007.1013.12	179601-23-1	p/m-Xylenes	ND	mg/Kg	1	0.01	1	07-06-07	07-06-07
V07389	XG.2007.1013.12	108-88-3	Toluene	ND	mg/Kg	1	0.005	1	07-06-07	07-06-07
0707143-0006A		**SW846 8015B Diesel Range Organics by GC/FID**					By:	RW		
S07392	XG.2007.1022.18		Diesel Range Organics	46	mg/Kg	1	25		07-06-07	07-10-07

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

1 All Samples were received with headspace. Client should take into consideration when evaluating the data.

Report Date: 7/11/2007 5:48:17 PM

Assaigai Analytical Laboratories, Inc.

QC Surrogate Summary

Client: **RHINO ENVIRONMENTAL**

Project: **DJ TRUCKING**

Order: **0707143 RHI01E**

Sample: ***0707143-0001A*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
V07389		**SW846 5035B/8021B Purgeable VOCs by GC/PID**					**V07389-003**	
XG.2007.1013.5	460-00-4	4-Bromofluorobenzene	112.2	% Recovery	79 - 116	1	1	07-06-07
XG.2007.1013.5	98-08-8	a,a,a-Trifluorotoluene	122.4	% Recovery	85 - 117	1	1	07-06-07
S07392		**SW846 8015B Diesel Range Organics by GC/FID**					**S07392-010**	
XG.2007.1022.19	84-15-1	o-Terphenyl	103.3	% Recovery	77 - 120	1		07-10-07

Sample: ***0707143-0002A*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
V07389		**SW846 5035B/8021B Purgeable VOCs by GC/PID**					**V07389-006**	
XG.2007.1013.8	460-00-4	4-Bromofluorobenzene	115.3	% Recovery	79 - 116	1	1	07-06-07
XG.2007.1013.8	98-08-8	a,a,a-Trifluorotoluene	130.6	% Recovery	85 - 117	1	1	07-06-07
S07392		**SW846 8015B Diesel Range Organics by GC/FID**					**S07392-003**	
XG.2007.1022.12	84-15-1	o-Terphenyl	104.6	% Recovery	77 - 120	1		07-10-07

Sample: ***0707143-0003A*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
V07389		**SW846 5035B/8021B Purgeable VOCs by GC/PID**					**V07389-007**	
XG.2007.1013.9	460-00-4	4-Bromofluorobenzene	111.8	% Recovery	79 - 116	1	1	07-06-07
XG.2007.1013.9	98-08-8	a,a,a-Trifluorotoluene	129.1	% Recovery	85 - 117	1	1	07-06-07
S07392		**SW846 8015B Diesel Range Organics by GC/FID**					**S07392-006**	
XG.2007.1022.15	84-15-1	o-Terphenyl	103.0	% Recovery	77 - 120	1		07-10-07

Sample: ***0707143-0004A*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
V07389		**SW846 5035B/8021B Purgeable VOCs by GC/PID**					**V07389-008**	
XG.2007.1013.10	460-00-4	4-Bromofluorobenzene	114.7	% Recovery	79 - 116	1	1	07-06-07
XG.2007.1013.10	98-08-8	a,a,a-Trifluorotoluene	134.2	% Recovery	85 - 117	1	1	07-06-07
S07392		**SW846 8015B Diesel Range Organics by GC/FID**					**S07392-007**	
XG.2007.1022.16	84-15-1	o-Terphenyl	101.7	% Recovery	77 - 120	1		07-10-07

QC Surrogate Summary

Client: **RHINO ENVIRONMENTAL**

Project: **DJ TRUCKING**

Order: **0707143 RHI01E**

Sample: ***0707143-0005A*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
V07389		**SW846 5035B/8021B Purgeable VOCs by GC/PID**					**V07389-009**	
XG.2007.1013.11	460-00-4	4-Bromofluorobenzene	106.3	% Recovery	79 - 116	1	1	07-06-07
XG.2007.1013.11	98-08-8	a,a,a-Trifluorotoluene	129.2	% Recovery	85 - 117	1	1	07-06-07
S07392		**SW846 8015B Diesel Range Organics by GC/FID**					**S07392-008**	
XG.2007.1022.17	84-15-1	o-Terphenyl	98.7	% Recovery	77 - 120	1		07-10-07

Sample: ***0707143-0006A*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
V07389		**SW846 5035B/8021B Purgeable VOCs by GC/PID**					**V07389-010**	
XG.2007.1013.12	460-00-4	4-Bromofluorobenzene	118.2	% Recovery	79 - 116	1	1	07-06-07
XG.2007.1013.12	98-08-8	a,a,a-Trifluorotoluene	140.7	% Recovery	85 - 117	1	1	07-06-07
S07392		**SW846 8015B Diesel Range Organics by GC/FID**					**S07392-009**	
XG.2007.1022.18	84-15-1	o-Terphenyl	103.9	% Recovery	77 - 120	1		07-10-07

Sample: ***LCS*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
V07389		**SW846 5035B/8021B Purgeable VOCs by GC/PID**					**V07389-002**	
XG.2007.1013.4	460-00-4	4-Bromofluorobenzene	98.8	% Recovery	79 - 116	1	1	07-06-07
XG.2007.1013.4	98-08-8	a,a,a-Trifluorotoluene	110.0	% Recovery	85 - 117	1	1	07-06-07
S07392		**SW846 8015B Diesel Range Organics by GC/FID**					**S07392-002**	
XG.2007.1022.11	84-15-1	o-Terphenyl	101.9	% Recovery	77 - 120	1		07-10-07

Sample: ***MB*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
V07389		**SW846 5035B/8021B Purgeable VOCs by GC/PID**					**V07389-001**	
XG.2007.1013.3	460-00-4	4-Bromofluorobenzene	99.5	% Recovery	79 - 116	1	1	07-06-07
XG.2007.1013.3	98-08-8	a,a,a-Trifluorotoluene	107.2	% Recovery	85 - 117	1	1	07-06-07
S07392		**SW846 8015B Diesel Range Organics by GC/FID**					**S07392-001**	
XG.2007.1022.10	84-15-1	o-Terphenyl	102.0	% Recovery	77 - 120	1		07-10-07

QC Surrogate Summary

Client: **RHINO ENVIRONMENTAL**

Project: **DJ TRUCKING**

Order: **0707143 RHI01E**

Sample: ***MS*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
V07389		**SW846 5035B/8021B Purgeable VOCs by GC/PID**					**V07389-004**	
XG.2007.1013.6	460-00-4	4-Bromofluorobenzene	108.6	% Recovery	79 - 116	1	1	07-06-07
XG.2007.1013.6	98-08-8	a,a,a-Trifluorotoluene	121.4	% Recovery	85 - 117	1	1	07-06-07
S07392		**SW846 8015B Diesel Range Organics by GC/FID**					**S07392-004**	
XG.2007.1022.13	84-15-1	o-Terphenyl	99.7	% Recovery	77 - 120	1		07-10-07

Sample: ***MSD*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
V07389		**SW846 5035B/8021B Purgeable VOCs by GC/PID**					**V07389-005**	
XG.2007.1013.7	460-00-4	4-Bromofluorobenzene	109.5	% Recovery	79 - 116	1	1	07-06-07
XG.2007.1013.7	98-08-8	a,a,a-Trifluorotoluene	120.1	% Recovery	85 - 117	1	1	07-06-07
S07392		**SW846 8015B Diesel Range Organics by GC/FID**					**S07392-005**	
XG.2007.1022.14	84-15-1	o-Terphenyl	99.8	% Recovery	77 - 120	1		07-10-07

Assaigai Analytical Laboratories, Inc.

Quality Control Summary

Client: **RHINO ENVIRONMENTAL**

Project: **DJ TRUCKING**

Order: **0707143 RHI01E**

Test: **SW846 5035B/8021B Purgeable VOCs by GC/PID**

Batch: **V07389**

Matrix: ***SOLID***

MB: Method Blank **Lab Sample ID: N/A** **V07389-001**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1013.3	71-43-2	Benzene	ND	mg/Kg		1	0.005	1	07-06-07
XG.2007.1013.3	100-41-4	Ethylbenzene	ND	mg/Kg		1	0.005	1	07-06-07
XG.2007.1013.3	95-47-6	o-Xylene	ND	mg/Kg		1	0.005	1	07-06-07
XG.2007.1013.3	179601-23-1	p/m-Xylenes	ND	mg/Kg		1	0.01	1	07-06-07
XG.2007.1013.3	108-88-3	Toluene	ND	mg/Kg		1	0.005	1	07-06-07

LCS: Lab Control Spike **Lab Sample ID: N/A** **V07389-002**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1013.4	71-43-2	Benzene	108.3	% Recovery	79 - 112	1	NA	1	07-06-07
XG.2007.1013.4	100-41-4	Ethylbenzene	113.8	% Recovery	81 - 118	1	NA	1	07-06-07
XG.2007.1013.4	95-47-6	o-Xylene	105.6	% Recovery	84 - 109	1	NA	1	07-06-07
XG.2007.1013.4	179601-23-1	p/m-Xylenes	109.3	% Recovery	84 - 110	1	NA	1	07-06-07
XG.2007.1013.4	108-88-3	Toluene	108.1	% Recovery	80 - 113	1	NA	1	07-06-07

MS: Matrix Spike **Lab Sample ID: 0707143-0001A** **V07389-004**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1013.6	71-43-2	Benzene	124.4	% Recovery	79 - 112	1	NA	1	07-06-07
XG.2007.1013.6	100-41-4	Ethylbenzene	128.6	% Recovery	81 - 118	1	NA	1	07-06-07
XG.2007.1013.6	95-47-6	o-Xylene	118.4	% Recovery	84 - 109	1	NA	1	07-06-07
XG.2007.1013.6	179601-23-1	p/m-Xylenes	122.6	% Recovery	84 - 110	1	NA	1	07-06-07
XG.2007.1013.6	108-88-3	Toluene	126.5	% Recovery	80 - 113	1	NA	1	07-06-07

MSD: Matrix Spike Duplicate Precision **Lab Sample ID: 0707143-0001A** **V07389-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1013.7	71-43-2	Benzene	3.4	RPD	0 - 11	1	NA	1	07-06-07
XG.2007.1013.7	100-41-4	Ethylbenzene	0.062	RPD	0 - 6	1	NA	1	07-06-07
XG.2007.1013.7	95-47-6	o-Xylene	1.4	RPD	0 - 7	1	NA	1	07-06-07
XG.2007.1013.7	179601-23-1	p/m-Xylenes	1.5	RPD	0 - 6	1	NA	1	07-06-07
XG.2007.1013.7	108-88-3	Toluene	2.8	RPD	0 - 8	1	NA	1	07-06-07

Assaigai Analytical Laboratories, Inc.

Quality Control Summary

Client: **RHINO ENVIRONMENTAL**
Project: **DJ TRUCKING**
Order: **0707143 RHI01E**

Test: **SW846 5035B/8021B Purgeable VOCs by GC/PID**
Batch: **V07389**
Matrix: ***SOLID***

MSD: Matrix Spike Duplicate Accuracy **Lab Sample ID: 0707143-0001A** **V07389-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1013.7	71-43-2	Benzene	128.8	% Recovery	79 - 112	1	NA	1	07-06-07
XG.2007.1013.7	100-41-4	Ethylbenzene	128.5	% Recovery	81 - 118	1	NA	1	07-06-07
XG.2007.1013.7	95-47-6	o-Xylene	120.0	% Recovery	84 - 109	1	NA	1	07-06-07
XG.2007.1013.7	179601-23-1	p/m-Xylenes	124.4	% Recovery	84 - 110	1	NA	1	07-06-07
XG.2007.1013.7	108-88-3	Toluene	130.1	% Recovery	80 - 113	1	NA	1	07-06-07

Test: **SW846 8015B Diesel Range Organics by GC/FID**
Batch: **S07392**
Matrix: ***SOLID***

MB: Method Blank **Lab Sample ID: N/A** **S07392-001**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1022.10		Diesel Range Organics	ND	mg/Kg		1	25		07-10-07

LCS: Lab Control Spike **Lab Sample ID: N/A** **S07392-002**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1022.11		Diesel Range Organics	98.2	% Recovery	85 - 112	1	NA		07-10-07

MS: Matrix Spike **Lab Sample ID: 0707143-0002A** **S07392-004**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1022.13		Diesel Range Organics	88.0	% Recovery	85 - 112	1	NA		07-10-07

MSD: Matrix Spike Duplicate Precision **Lab Sample ID: 0707143-0002A** **S07392-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1022.14		Diesel Range Organics	0.9	RPD	0 - 20	1	NA		07-10-07

MSD: Matrix Spike Duplicate Accuracy **Lab Sample ID: 0707143-0002A** **S07392-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1022.14		Diesel Range Organics	89.7	% Recovery	85 - 112	1	NA		07-10-07

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127 EASTGATE DRIVE, 212-C
LOS ALAMOS, NEW MEXICO 87544
(505) 662-2558

Lab job No. 0707K13 Date 7-3-07

Page 1 of 1

Client: Rhino Environmental
Address: PO Box 310
City / State / Zip: Canutillo, Tx. 79835
Project Name / Number: D.J. Trucking
Contract / Purchase Order / Quote:

Project Manager / Contact: Joe Ordo
Telephone No.: 915-886-4355
Fax No.: 915-886-4358
Samplers : (signature):

Analysis Required: TPH, BTEX

AALI Fraction Number	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation Temp.	Preservation Chemical	No. of Containers	TPH	BTEX								Remarks
	0-50	7-2-07	9:00	Soil	1-8 oz	ice	–	1	X	X								
	50-100		9:10				–	1	X	X								
	100-150		9:20				–	1	X	X								
	150-200		9:30				–	1	X	X								
	200-250		9:40				–	1	X	X								
	250-300		9:50				–	1	X	X								

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Relinquished by:	Date	Received by:	Relinquished by:	Date	Received by:
Signature:	7-3-07	Signature:	Signature:	7-3-07	Signature:
Printed: Joe Ordo	Time: 11:00	Printed: Alfredo Gutierrez	Printed: Alfredo Gutierrez	Time: 2:00	Printed:
Company: Rhino Envi.		Company: AAL-ED	Company: AAL-ED		Company:
Reason: analysis		Reason: Transp.	Reason: Analysis		Reason: analysis

Method of Shipment:
Shipment No.:
Special Instructions:

Comments:

After analysis, samples are to be:
- ☐ Disposed of (additional fee)
- ☐ Stored (30 days max)
- ☐ Stored over 30 days (additional fee)
- ☐ Returned to customer

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P.O. Box 90430 • Albuquerque, New Mexico 87199 • (505) 345-8964 • FAX (505) 345-7259
3332 Wedgewood, Ste. N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820
127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

RHINO ENVIRONMENTAL
attn: **DANIELLE BERARDELLI**
PO BOX 310
CANUTILLO TX 79835

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **RHINO ENVIRONMENTAL**
Project: **D&J BACK GROUND SAMPLE**
Order: **0707429** **RHI01E** Receipt: **07-12-07**

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***N OF SPILL*** Collected: *07-12-07 10:30:00* By: *JQ*
Matrix: ***SOIL GRAB***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0707429-0001A		**SW846 8015B**	**Diesel Range Organics by GC/FID**					By: RW		
S07414	XG.2007.1063.23		Diesel Range Organics	ND	mg/Kg	1	25		07-16-07	07-16-07

Sample: ***S OF SPILL*** Collected: *07-12-07 10:35:00* By: *JQ*
Matrix: ***SOIL GRAB***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0707429-0002A		**SW846 8015B**	**Diesel Range Organics by GC/FID**					By: RW		
S07414	XG.2007.1063.24		Diesel Range Organics	50	mg/Kg	1	25		07-16-07	07-17-07

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: 7/26/2007 12:57:47 PM

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Assaigai Analytical Laboratories, Inc.

QC Surrogate Summary

Client: **RHINO ENVIRONMENTAL**
Project: **D&J BACK GROUND SAMPLE**
Order: **0707429 RHI01E**

Sample: ***0707429-0001A*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
S07414		**SW846 8015B Diesel Range Organics by GC/FID**					**S07414-011**	
XG.2007.1063.23	84-15-1	o-Terphenyl	98.6	% Recovery	77 - 120	1		07-16-07

Sample: ***0707429-0002A*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
S07414		**SW846 8015B Diesel Range Organics by GC/FID**					**S07414-012**	
XG.2007.1063.24	84-15-1	o-Terphenyl	101.4	% Recovery	77 - 120	1		07-17-07

Sample: ***LCS*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
S07414		**SW846 8015B Diesel Range Organics by GC/FID**					**S07414-002**	
XG.2007.1063.4	84-15-1	o-Terphenyl	94.5	% Recovery	77 - 120	1		07-16-07

Sample: ***MB*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
S07414		**SW846 8015B Diesel Range Organics by GC/FID**					**S07414-001**	
XG.2007.1063.3	84-15-1	o-Terphenyl	90.2	% Recovery	77 - 120	1		07-16-07

Sample: ***MS*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
S07414		**SW846 8015B Diesel Range Organics by GC/FID**					**S07414-004**	
XG.2007.1063.6	84-15-1	o-Terphenyl	94.0	% Recovery	77 - 120	1		07-16-07

Sample: ***MSD*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
S07414		**SW846 8015B Diesel Range Organics by GC/FID**					**S07414-005**	
XG.2007.1063.7	84-15-1	o-Terphenyl	93.8	% Recovery	77 - 120	1		07-16-07

Assaigai Analytical Laboratories, Inc.

Quality Control Summary

Client: **RHINO ENVIRONMENTAL**
Project: **D&J BACK GROUND SAMPLE**
Order: **0707429 RHI01E**

Test: **SW846 8015B Diesel Range Organics by GC/FID**
Batch: **S07414**
Matrix: ***SOLID***

MB: Method Blank **Lab Sample ID: N/A** **S07414-001**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1063.3		Diesel Range Organics	ND	mg/Kg		1	25		07-16-07

LCS: Lab Control Spike **Lab Sample ID: N/A** **S07414-002**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1063.4		Diesel Range Organics	89.1	% Recovery	85 - 112	1	NA		07-16-07

MS: Matrix Spike **Lab Sample ID: 0707421-0001A** **S07414-004**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1063.6		Diesel Range Organics	88.1	% Recovery	85 - 112	1	NA		07-16-07

MSD: Matrix Spike Duplicate Precision **Lab Sample ID: 0707421-0001A** **S07414-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1063.7		Diesel Range Organics	0.4	RPD	0 - 20	1	NA		07-16-07

MSD: Matrix Spike Duplicate Accuracy **Lab Sample ID: 0707421-0001A** **S07414-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1063.7		Diesel Range Organics	87.6	% Recovery	85 - 112	1	NA		07-16-07

ASSAIGAI ANALYTICAL LABORATORIES, INC.

Chain of Custody Record

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EL PASO, TEXAS 79925
(915) 593-6000

127 EASTGATE DRIVE, 212-C
LOS ALAMOS, NEW MEXICO 87544
(505) 662-2558

Lab Job No.: 0707429 Date: 7-12-07

Page 1 of 1

Client: Zhino Environmental
Address: Po Box 310
City / State / Zip: Camp Hill, Tx 79835
Project Name / Number: DJ ; Background Sample
Contract / Purchase Order / Quote:

Project Manager / Contact: Jose Ojeda
Telephone No.: 915-886-4355
Fax No.: 915-886-4358
Samplers : (signature):

Analysis Required: TPH-DRO, 8015

AALI Fraction Number	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation Temp.	Preservation Chemical	No. of Containers	TPH-DRO	8015								Remarks
	N of Spill	7-12-07	10:30	Soil	1 / 8 oz		—	1	X									Grab
	S of Spill	7-12-07	10:35	Soil	1 / 8 oz		—	1	X									1

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Relinquished by:	Date / Time	Received by:	Relinquished by:	Date / Time	Received by:
Signature:	7-12-07	Signature: Lorrie Milliorn	Signature: Lorrie Milliorn	7/13/07	Signature:
Printed: Jose Ojeda	11:37 am	Printed: Lorrie Milliorn	Printed: Lorrie Milliorn	836	Printed: STL
Company: Zhino Environmental		Company: AALEP	Company: AALEP		Company: ZEL
Reason:		Reason: Transp	Reason: Analysis		Reason: Analysis

Method of Shipment:
Shipment No.:
Special Instructions:

Comments:

After analysis, samples are to be:
- ☐ Disposed of (additional fee)
- ☐ Stored (30 days max)
- ☐ Stored over 30 days (additional fee)
- ☐ Returned to customer

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Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result Is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

RHINO ENVIRONMENTAL
attn: **DANIELLE BERARDELLI**
PO BOX 310
CANUTILLO TX 79835

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **RHINO ENVIRONMENTAL**
Project: **D&J TRUCKING-2**
Order: **07071060 RHI01E** Receipt: **07-30-07**

William P. Blava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***0-50*** Collected: *07-30-07 9:01:00* By: *JO*
Matrix: ***SOIL GRAB***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
07071060-001A		SW846 8015B Diesel Range Organics by GC/FID						By::W/YKD		
S07447	XG.2007.1143.13		Diesel Range Organics	ND	mg/Kg	1	25		08-02-07	08-02-07

Sample: ***50-100*** Collected: *07-30-07 9:05:00* By: *JO*
Matrix: ***SOIL GRAB***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
07071060-002A		SW846 8015B Diesel Range Organics by GC/FID						By::W/YKD		
S07447	XG.2007.1143.16		Diesel Range Organics	47	mg/Kg	1	25	B	08-02-07	08-02-07

Sample: ***150-200*** Collected: *07-30-07 9:07:00* By: *JO*
Matrix: ***SOIL GRAB***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
07071060-003A		SW846 8015B Diesel Range Organics by GC/FID						By::W/YKD		
S07447	XG.2007.1143.17		Diesel Range Organics	52	mg/Kg	1	25	B	08-02-07	08-02-07

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: 8/3/2007 4:45:01 PM

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Assalgal Analytical Laboratories, Inc.

QC Surrogate Summary

Client: **RHINO ENVIRONMENTAL**
Project: **D&J TRUCKING-2**
Order: **07071060 RHI01E**

Sample: ***07071060-001A*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
S07447		SW846 8015B Diesel Range Organics by GC/FID					S07447-003	
XG.2007.1143.13	84-15-1	o-Terphenyl	106.8	% Recovery	77 - 120	1		08-02-07

Sample: ***07071060-002A*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
S07447		SW846 8015B Diesel Range Organics by GC/FID					S07447-006	
XG.2007.1143.16	84-15-1	o-Terphenyl	109.7	% Recovery	77 - 120	1		08-02-07

Sample: ***07071060-003A*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
S07447		SW846 8015B Diesel Range Organics by GC/FID					S07447-007	
XG.2007.1143.17	84-15-1	o-Terphenyl	109.7	% Recovery	77 - 120	1		08-02-07

Sample: ***LCS*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
S07447		SW846 8015B Diesel Range Organics by GC/FID					S07447-002	
XG.2007.1143.4	84-15-1	o-Terphenyl	103.8	% Recovery	77 - 120	1		08-02-07

Sample: ***MB*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
S07447		SW846 8015B Diesel Range Organics by GC/FID					S07447-001	
XG.2007.1143.3	84-15-1	o-Terphenyl	108.3	% Recovery	77 - 120	1		08-02-07

Sample: ***MS*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
S07447		SW846 8015B Diesel Range Organics by GC/FID					S07447-004	
XG.2007.1143.14	84-15-1	o-Terphenyl	106.2	% Recovery	77 - 120	1		08-02-07

QC Surrogate Summary

Client: **RHINO ENVIRONMENTAL**
Project: **D&J TRUCKING-2**
Order: **07071060 RHI01E**

Sample: ***MSD*** Matrix: ***SOLID***

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Code	Run Date
S07447		**SW846 8015B Diesel Range Organics by GC/FID**					**S07447-005**	
XG.2007.1143.15	84-15-1	o-Terphenyl	106.4	% Recovery	77 - 120	1		08-02-07

Assaigai Analytical Laboratories, Inc.

Quality Control Summary

Client: **RHINO ENVIRONMENTAL**
Project: **D&J TRUCKING-2**
Order: **07071060 RHI01E**

Test: **SW846 8015B Diesel Range Organics by GC/FID**
Batch: **S07447**
Matrix: ***SOLID***

MB: Method Blank **Lab Sample ID: N/A** **S07447-001**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1143.3		Diesel Range Organics	52	mg/Kg		1	25		08-02-07

LCS: Lab Control Spike **Lab Sample ID: N/A** **S07447-002**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1143.4		Diesel Range Organics	108.1	% Recovery	85 - 112	1	NA		08-02-07

MS: Matrix Spike **Lab Sample ID: 07071060-001A** **S07447-004**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1143.14		Diesel Range Organics	108.7	% Recovery	85 - 112	1	NA		08-02-07

MSD: Matrix Spike Duplicate Precision **Lab Sample ID: 07071060-001A** **S07447-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1143.15		Diesel Range Organics	2.9	RPD	0 - 20	1	NA		08-02-07

MSD: Matrix Spike Duplicate Accuracy **Lab Sample ID: 07071060-001A** **S07447-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
XG.2007.1143.15		Diesel Range Organics	111.8	% Recovery	85 - 112	1	NA		08-02-07

ASSAIGAI ANALYTICAL LABORATORIES, INC.

Chain of Custody Record

4301 Masthead N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505) 345-8964

3332 WEDGEWOOD
EL PASO, TEXAS 79925
(915) 593-6000

127 EASTGATE DRIVE, 212-C
LOS ALAMOS, NEW MEXICO 87544
(505) 662-2558

Lab job No.: _____ Date 7-30-07

Page 1 of 1

Client: Rhino Environmental

Address: PO Box 310

City / State / Zip: Caruthillo, Tx 79835

Project Name / Number: D&J Trucking - 2

Contract / Purchase Order / Quote: _____

Project Manager / Contact: Jose Ordo

Telephone No.: 915-886-4355

Fax No.: 915-886-4355

Samplers : (signature): [signature]

Analysis Required: No. of Containers: TPH-DRO; Remarks

AALI Fraction Number	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation Temp.	Preservation Chemical	No. of Containers: TPH-DRO	Remarks
	0-50	7-30-07	9:00	Soil	1-8oz		ICE		Grab
	50-100	↓	9:15	↓	↓		↓		
	150-200	↓	9:30	↓	↓		↓		

OFFICE USE ONLY

Relinquished by:	Date	Received by:	Relinquished by:	Date	Received by:
Signature: [signature]	7-30-07	Signature: [signature]	Signature:		Signature:
Printed: Jose Ordo	Time: 11:10 am	Printed: [illegible]	Printed:	Time	Printed:
Company: Rhino Env.		Company: [illegible]	Company:		Company:
Reason:		Reason: [illegible]	Reason:		Reason:

Method of Shipment: _____

Shipment No.: _____

Special Instructions: _____

Comments: _____

After analysis, samples are to be:

- ☐ Disposed of (additional fee)
- ☐ Stored (30 days max)
- ☐ Stored over 30 days (additional fee)
- ☐ Returned to customer

FIELD FILE

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235
Manifest Doc. No.: SE50-01
2. Page 1 of 1
SE-50

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

SE-50 Site
Off Range Rd 296, South of Range Rd 6,
East of Tula Gate
White Sands Missle Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell E

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Jose A Gallegos
Signature:
Month 12 Day 15 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Sanchez
Signature:
Month 12 Day 15 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jose Jesus Gar.
Signature:
Month 12 Day 15 Year 05

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235
Manifest Doc. No.: SE50-02
2. Page 1 of 1
White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

SE-50 Site
Off Range Rd 296, South of Range Rd 6
East of Tula Gate
White Sands Missle Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell E

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Jose A. Gallegos
Signature
Month 12 Day 15 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gustavo Esparza
Signature: Gustavo Esparza
Month 12 Day 15 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jose
Signature
Month 12 Day 15 Year 05

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ORIGINAL – RETURN TO GENERATOR

Please print or type
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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. EPA # NM2750211235
Manifest Doc. No. SE50-03
2. Page 1 of 1
White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

SE-50 Site
Off Range Rd 296, South of Range Rd 6,
East of Tula Gate
White Sands Missle Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell E

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Jose A. Gallegos
Signature
Month 12 Day 15 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gustavo Esparza
Signature: Gustavo Esparza
Month 12 Day 15 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jose Gallegos
Signature
Month 12 Day 15 Year 05

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ORIGINAL – RETURN TO GENERATOR

Please print or type
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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235
Manifest Doc. No.: SE50-04
2. Page 1 of 1
White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

SE-50 Site
Off Range Rd 296, South of Range Rd 6
East of Tula Gate
White Sands Missle Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell E

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Jose A Gallegos
Signature
Month 12 Day 15 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Sanchez
Signature
Month 12 Day 15 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jose Gallegos
Signature
Month 12 Day 15 Year 05

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ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235

Manifest Doc. No.: ~~SW21-10~~ SE50-05

2. Page 1 of 1

White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

~~SWMU 21 Site~~ SE-50
~~Corner of Headquarters Ave and Martin Luther King Ave~~
~~White Sands Missle Range, NM 88002~~

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone: (915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd^3
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell E

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Jose A. Gallegos
Signature:
Month 12 Day 16 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gustavo Esparza
Signature: Gustavo Esparza
Month 12 Day 16 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310, Canutillo, TX 79835
Manifest # SE 50-05
Location: SE-50 Site
Off Range Road 296, South of Range Road 6
East of Tula Gate
White Sands Missile Range, NM 88002

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jose Gallegos
Signature:
Month 12 Day 16 Year 05

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235
Manifest Doc. No.: ~~SW21-11~~ SE50-06
2. Page 1 of 1
White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

~~SWMU 21 Site~~ SE-50
~~Corner of Headquarters Ave and Martin Luther King Ave~~
White Sands Missle Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell E

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Jose A. Gallegos
Signature:
Month 12 Day 16 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Sanchez
Signature:
Month 12 Day 16 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

Location: SE-50 Site off Range Road 296, South of Range Road 6, East of Tula Gate White Sands Missile Range NM 88002
Manifest # SE 50-06

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name:
Signature:
Month 12 Day 16 Year 05

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ORIGINAL – RETURN TO GENERATOR

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235
Manifest Doc. No.: ~~SW21-12~~ SE50-07
2. Page 1 of 1
White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

~~SWMU 21 Site~~ SE-50
~~Corner of Headquarters Ave and Martin Luther King Ave~~
White Sands Missle Range, NM 88002

4. Generator's Phone (505) 678-1007

TRANSPORTER

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

FACILITY

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell E

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Jose A. Gallegos
Signature:
Month 12 Day 16 Year 05

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gustavo Espinoza
Signature: Gustavo Espinoza
Month 12 Day 16 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

Location: SE-50 Site off of Range Road 296 South of Range Road 60, East of Tula Gate. White Sands Missile Range, NM 88002

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jose Lopez
Signature:
Month 12 Day 16 Year 05

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type
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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235
Manifest Doc. No.: ~~SW21-13~~ SE50-08
2. Page 1 of 1
White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

~~SWMU 21 Site~~ SE-50
~~Corner of Headquarters Ave and Martin Luther King Ave~~
~~White Sands Missle Range, NM 88002~~

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell E

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Jose A. Gallegos
Signature
Month 12 Day 19 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gustavo Esparza
Signature: Gustavo Esparza
Month 12 Day 19 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835
SE-50 site. South of Range Road Six WSMR, NM 88002
Manifest # SE50-08

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name
Signature
Month 12 Day 19 Year 05

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type.
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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235
Manifest Doc. No.: SE70-01
2. Page 1 of 1
White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

SE-70 Site
Off Range Rd 314, east of Range Rd 9
White Sands Missle Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell E

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Jose A. Gallegos
Signature:
Month 12 Day 20 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gustavo Esparza
Signature: Gustavo Esparza
Month 12 Day 20 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jose Gallegos
Signature:
Month 12 Day 20 Year 05

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235
Manifest Doc. No.: SE70-02
2. Page 1 of 1
White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

SE-70 Site
Off Range Rd 314, east of Range Rd 9,
White Sands Missle Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd^3
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell E

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Jose A. Gallegos
Signature
Month 12 Day 20 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jose D Reyes
Signature
Month 12 Day 20 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name
Signature
Month 12 Day 20 Year 05

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235
Manifest Doc. No.: SE70-03
2. Page 1 of 1
White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

SE-70 Site
Off Range Rd 314, east of Range Rd 9
White Sands Missle Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell E

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Jose A. Gallegos
Signature:
Month 12 Day 20 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gustavo Esparza
Signature: Gustavo Esparza
Month 12 Day 20 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jose Pedro Gos.
Signature:
Month 12 Day 20 Year 05

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type.
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235
Manifest Doc. No.: SE70-04
2. Page 1 of 1
White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

SE-70 Site
Off Range Rd 314, east of Range Rd 9,
White Sands Missle Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone: (915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell E

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Jose A Gallegos
Signature:
Month 12 Day 21 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gustavo Esparza
Signature: Gustavo Esparza
Month 12 Day 21 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name:
Signature:
Month 12 Day 21 Year 05

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235
Manifest Doc. No.: SE70-05
2. Page 1 of 1
White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

SE-70 Site
Off Range Rd 314, east of Range Rd 9
White Sands Missle Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell E

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Jose A. Gallegos
Signature
Month 12 Day 21 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jose D. Reyes
Signature
Month 12 Day 21 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jose Ola-Gar.
Signature
Month 12 Day 21 Year 05

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Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235
Manifest Doc. No.: SE70-06
2. Page 1 of 1
White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

SE-70 Site
Off Range Rd 314, east of Range Rd 9
White Sands Missle Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone
(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell E

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Jose A Gallegos
Signature:
Month 12 Day 21 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: 524 Gustavo Esparza
Signature: Gustavo Esparza
Month 12 Day 21 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jose Gallegos
Signature:
Month 12 Day 21 Year 05

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235
Manifest Doc. No.: ~~SW21-14~~ SE 70-07
2. Page 1 of 1
White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

~~SWMU 21 Site~~ SE-70 Site
~~Corner of Headquarters Ave and Martin Luther King Ave~~
White Sands Missle Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone: (915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell E

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Jose A. Gallegos
Signature:
Month 12 Day 22 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gustavo Esparza
Signature: Gustavo Esparza
Month 12 Day 22 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310, Canutillo, TX 79835
Location: SE-70 Site off Range Road 314 East of Range Road 9 WSMR, NM 88002
Manifest # SE 70-07

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jose Peña Jr.
Signature:
Month 12 Day 22 Year 05

Printed by: J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

ORIGINAL – RETURN TO GENERATOR

Please print or type.
(Form designed for use on elite (12 pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235

Manifest Doc. No.: ~~SW21-15~~ SE 70-08

2. Page 1 of 1

White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address

White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

~~SWMU 21 Site~~ SE-70
~~Corner of Headquarters Ave and Martin Luther King Ave~~
White Sands Missle Range, NM 88002

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.

6. US EPA ID Number: NA

A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA

8. US EPA ID Number: NA

B. Transporter's Phone: NA

9. Designated Facility Name and Site Address

Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM

10. US EPA ID Number: NA

C. Facility's Phone

(915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above

Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Cell E

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Jose A. Gallegos — Signature: [signature] — Month 12 Day 22 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jose D Reyes — Signature: [signature] — Month 12 Day 22 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year

FACILITY

19. Discrepancy Indication Space

Line 5 address: PO Box 310, Canutillo, TX 79835

Location: SE70 Site off Range Road 314 East of Range Road 9 WSMR, NM 88002
Manifest # SE 70-08

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jose [illegible] — Signature: [signature] — Month 12 Day 22 Year 05

ORIGINAL – RETURN TO GENERATOR

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

Please print or type
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235

Manifest Doc. No.: ~~SW21-18~~ SE 70-09

2. Page 1 of 1

White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

~~SWMU 21 Site~~ SE-70
~~Corner of Headquarters Ave and Martin Luther King Ave~~
White Sands Missle Range, NM 88002

4. Generator's Phone (505) 678-1007

TRANSPORTER

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

FACILITY

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone: (915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell E

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Jose A. Gallegos | Signature | Month 12 Day 22 Year 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jose D. Reyes | Signature | Month 12 Day 22 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

19. Discrepancy Indication Space
Line 5 address: PO Box 310, Canutillo, TX 79835
Location SE-70 Site off Range Road 314 East of Range Road 9 WSMR, NM 88002 Manifest # SE70-~~08~~09

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jose Gallegos | Signature | Month 12 Day 22 Year 05

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: EPA # NM2750211235

Manifest Doc. No.: ~~SW21-17~~ SE70-10

2. Page 1 of 1

White Sands Tech

GENERATOR

3. Generator's Name and Mailing Address
White Sands Missile Range
IMSW-WSM-IS
White Sands Missle Range, NM 88002

~~SWMU 21 Site~~ SE 70 Site
~~Corner of Headquarters Ave and Martin Luther King Ave~~
~~White Sands Missle Range, NM 88002~~

4. Generator's Phone (505) 678-1007

5. Transporter 1 Company Name: Rhino Environmental Services, Inc.
6. US EPA ID Number: NA
A. Transporter's Phone: (915) 886-4355 or (800) 762-0241

7. Transporter 2 Company Name: NA
8. US EPA ID Number: NA
B. Transporter's Phone: NA

9. Designated Facility Name and Site Address
Rhino's DP 1051
1.7 mls N of NM/TX state line
Hwy 54, Otero County, NM
10. US EPA ID Number: NA
C. Facility's Phone: (915) 886-4355 or (800) 762-0241
Fax: (915) 886-4358

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Hydrocarbon Impacted Soil	1	Dump	20	yd³
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Non-Hazardous Diesel Oil Impacted Soil

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Cell E

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Jose A Gallegos
Signature:
Month 12 Day 22 Year 05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gustavo Esparza
Signature: Gustavo Esparza
Month 12 Day 22 Year 05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year

FACILITY

19. Discrepancy Indication Space
Line 5 address: PO Box 310
Canutillo, TX 79835

Location: SE 70 site off Range Road 314 East of Range Road 9
WSMR, NM 88002 Manifest # SE70-10

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Jose Gallegos
Signature:
Month 12 Day 22 Year 05

APPENDIX B

TOTAL RCRA METALS ANALYSIS OF
CLEAN FILL MATERIAL

ASSAIGAI ANALYTICAL LABORATORIES, INC.
4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259
3332 Wedgewood, Ste. N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820
127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

RHINO ENVIRONMENTAL
attn: **DANIELLE BERARDELLI/ JOSE OJEDA**
PO BOX 310
CANUTILLO TX 79835

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **RHINO ENVIRONMENTAL**
Project: **RHINO CLEAN-FILL**
Order: **0705511 RHI01E** Receipt: **05-15-07**

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***CLEAN FILL*** Collected: *05-15-07 10:00:00* By: *JO*
Matrix: ***SOIL***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0705511-0001A		**SW846 3050B/6010B ICP**					By:	AZC		
M07525	MT.2007.854.22	7440-38-2	Arsenic	ND	mg/kg	10	0.25		05-17-07	05-18-07
M07525	MT.2007.854.22	7440-39-3	Barium	35.3	mg/kg	10	0.15		05-17-07	05-18-07
M07525	MT.2007.854.22	7440-43-9	Cadmium	ND	mg/kg	10	0.25		05-17-07	05-18-07
M07525	MT.2007.854.22	7440-47-3	Chromium	5.76	mg/kg	10	0.1		05-17-07	05-18-07
M07525	MT.2007.854.22	7439-92-1	Lead	8.46	mg/kg	10	0.25		05-17-07	05-18-07
M07525	MT.2007.872.22	7782-49-2	Selenium	ND	mg/kg	10	0.5		05-17-07	05-23-07
M07525	MT.2007.854.22	7440-22-4	Silver	ND	mg/kg	10	0.25		05-17-07	05-18-07
0705511-0001A		**SW846 7471B CVAA**					By:	DPA		
M07564	MT.2007.914.13	7439-97-6	Mercury	ND	ug/Kg	1	20		05-29-07	05-29-07

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: 5/30/2007 9:04:30 AM

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PRODUCT ENDORSEMENT BY THE NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM.

ASSAIGAI ANALYTICAL LABORATORIES, INC.

Chain of Custody Record

4301 Masthead N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505) 345-8964

3332 WEDGEWOOD
EL PASO, TEXAS 79925
(915) 593-6000

127 EASTGATE DRIVE, 212-C
LOS ALAMOS, NEW MEXICO 87544
(505) 662-2558

Lab job No. 070551 Date 5-15-07

Page 1 of 1

Client: Rhino Environmental
Address: PO Box 310
City / State / Zip: Camarillo TX 79835
Project Name / Number: Rhino Clean-Fill
Contract / Purchase Order / Quote: José Quella

Project Manager / Contact: José Quella
Telephone No.: (915) 886-4356
Fax No.: (915) 886-4358
Samplers : (signature)

Analysis Required

AALI Fraction Number	Field Sample Number / Location	Date	Time	Sample Type	Type / Size of Container	Preservation Temp.	Preservation Chemical	No. of Containers	Remarks
070510A	Clean Fill	5-15-07	10:00	Soil	8 oz Glass	Ice	-	1	

OFFICE USE ONLY

Relinquished by:	Date / Time	Received by:	Relinquished by:	Date / Time	Received by:
Signature: José Quella	5-15-07	Signature: [illegible]	Signature: [illegible]	5/16/07	Signature: [illegible]
Printed: José Quella	10:42	Printed: Alfonso Gutierrez	Printed: Alfonso Gutierrez	10:10	Printed:
Company: Rhino		Company: AAL-EP	Company: AAL-EP		Company: AAL
Reason: Analysis		Reason: Transp.	Reason: Analysis		Reason:

Method of Shipment:
Shipment No.:
Special Instructions:

Comments:

After analysis, samples are to be:
- ❑ Disposed of (additional fee)
- ❑ Stored (30 days max)
- ❑ Stored over 30 days (additional fee)
- ❑ Returned to customer

ASSAIGAI PROJECT FILE

Assaigai Analytical Laboratories, Inc.

Quality Control Summary

Client: **RHINO ENVIRONMENTAL**

Project: **RHINO CLEAN-FILL**

Order: **0705511 RHI01E**

Test: **SW846 3050B/6010B ICP**

Batch: **M07525**

Matrix: ***SOLID***

MB: Method Blank **Lab Sample ID: N/A** **M07525-001**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.20	7440-38-2	Arsenic	ND	mg/kg		1	0.25		05-18-07
MT.2007.854.20	7440-39-3	Barium	ND	mg/kg		1	0.15		05-18-07
MT.2007.854.20	7440-43-9	Cadmium	ND	mg/kg		1	0.25		05-18-07
MT.2007.854.20	7440-47-3	Chromium	ND	mg/kg		1	0.1		05-18-07
MT.2007.854.20	7439-92-1	Lead	0.454	mg/kg		1	0.25		05-18-07
MT.2007.872.20	7782-49-2	Selenium	ND	mg/kg		1	0.5		05-23-07
MT.2007.854.20	7440-22-4	Silver	ND	mg/kg		1	0.25		05-18-07

LCS: Lab Control Spike **Lab Sample ID: N/A** **M07525-002**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.21	7440-38-2	Arsenic	100.1	% Recovery	80 - 120	1	NA		05-18-07
MT.2007.854.21	7440-39-3	Barium	97.3	% Recovery	80 - 120	1	NA		05-18-07
MT.2007.854.21	7440-43-9	Cadmium	95.7	% Recovery	80 - 120	1	NA		05-18-07
MT.2007.854.21	7440-47-3	Chromium	98.7	% Recovery	80 - 120	1	NA		05-18-07
MT.2007.854.21	7439-92-1	Lead	112.4	% Recovery	80 - 120	1	NA		05-18-07
MT.2007.872.21	7782-49-2	Selenium	94.6	% Recovery	80 - 120	1	NA		05-23-07
MT.2007.854.21	7440-22-4	Silver	96.9	% Recovery	80 - 120	1	NA		05-18-07

MS: Matrix Spike **Lab Sample ID: 0705511-0001A** **M07525-004**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.23	7440-38-2	Arsenic	44.8	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.23	7440-39-3	Barium	120.7	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.23	7440-43-9	Cadmium	82.0	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.23	7440-47-3	Chromium	88.7	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.23	7439-92-1	Lead	17.4	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.872.23	7782-49-2	Selenium	111.7	% Recovery	80 - 120	10	NA		05-23-07
MT.2007.854.23	7440-22-4	Silver	97.3	% Recovery	80 - 120	10	NA		05-18-07

MSD: Matrix Spike Duplicate Precision **Lab Sample ID: 0705511-0001A** **M07525-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.24	7440-38-2	Arsenic	200	RPD	0 - 20	10	NA		05-18-07
MT.2007.854.24	7440-39-3	Barium	8.70	RPD	0 - 20	10	NA		05-18-07
MT.2007.854.24	7440-43-9	Cadmium	2.76	RPD	0 - 20	10	NA		05-18-07
MT.2007.854.24	7440-47-3	Chromium	5.84	RPD	0 - 20	10	NA		05-18-07

Assaigai Analytical Laboratories, Inc.

Quality Control Summary

Client: **RHINO ENVIRONMENTAL**
Project: **RHINO CLEAN-FILL**
Order: **0705511 RHI01E**

Test: **SW846 3050B/6010B ICP**
Batch: **M07525**
Matrix: ***SOLID***

MSD: Matrix Spike Duplicate Precision **Lab Sample ID: 0705511-0001A** **M07525-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.24	7439-92-1	Lead	7.90	RPD	0 - 20	10	NA		05-18-07
MT.2007.872.24	7782-49-2	Selenium	7.08	RPD	0 - 20	10	NA		05-23-07
MT.2007.854.24	7440-22-4	Silver	14.9	RPD	0 - 20	10	NA		05-18-07

MSD: Matrix Spike Duplicate Accuracy **Lab Sample ID: 0705511-0001A** **M07525-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.24	7440-38-2	Arsenic	0.0	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.24	7440-39-3	Barium	51.8	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.24	7440-43-9	Cadmium	79.8	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.24	7440-47-3	Chromium	77.1	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.854.24	7439-92-1	Lead	32.7	% Recovery	80 - 120	10	NA		05-18-07
MT.2007.872.24	7782-49-2	Selenium	104.1	% Recovery	80 - 120	10	NA		05-23-07
MT.2007.854.24	7440-22-4	Silver	83.8	% Recovery	80 - 120	10	NA		05-18-07

MD: Matrix Duplicate **Lab Sample ID: 0705511-0001A** **M07525-006**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.25	7440-38-2	Arsenic	NA	RPD	0 - 20	10	NA		05-18-07
MT.2007.854.25	7440-39-3	Barium	4.99	RPD	0 - 20	10	NA		05-18-07
MT.2007.854.25	7440-43-9	Cadmium	NA	RPD	0 - 20	10	NA		05-18-07
MT.2007.854.25	7440-47-3	Chromium	0.914	RPD	0 - 20	10	NA		05-18-07
MT.2007.854.25	7439-92-1	Lead	43.2	RPD	0 - 20	10	NA		05-18-07
MT.2007.872.25	7782-49-2	Selenium	NA	RPD	0 - 20	10	NA		05-23-07
MT.2007.854.25	7440-22-4	Silver	NA	RPD	0 - 20	10	NA		05-18-07

SD: Serial Dilution **Lab Sample ID: 0705511-0001A** **M07525-007**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.854.26	7440-38-2	Arsenic	NA	RPD	0 - 20	50	NA		05-18-07
MT.2007.854.26	7440-39-3	Barium	1.67	RPD	0 - 20	50	NA		05-18-07
MT.2007.854.26	7440-43-9	Cadmium	NA	RPD	0 - 20	50	NA		05-18-07
MT.2007.854.26	7440-47-3	Chromium	9.75	RPD	0 - 20	50	NA		05-18-07
MT.2007.854.26	7439-92-1	Lead	22.9	RPD	0 - 20	50	NA		05-18-07
MT.2007.872.26	7782-49-2	Selenium	NA	RPD	0 - 20	50	NA		05-23-07
MT.2007.854.26	7440-22-4	Silver	NA	RPD	0 - 20	50	NA		05-18-07

Assaigai Analytical Laboratories, Inc.

Quality Control Summary

Client: **RHINO ENVIRONMENTAL**
Project: **RHINO CLEAN-FILL**
Order: **0705511 RHI01E**

Test: **SW846 7471B CVAA**
Batch: **M07564**
Matrix: ***SOLID***

MB: Method Blank **Lab Sample ID: N/A** **M07564-001**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.11	7439-97-6	Mercury	ND	ug/Kg		1	20		05-29-07

LCS: Lab Control Spike **Lab Sample ID: N/A** **M07564-002**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.12	7439-97-6	Mercury	96.4	% Recovery	80 - 120	1	NA		05-29-07

MS: Matrix Spike **Lab Sample ID: 0705511-0001A** **M07564-004**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.14	7439-97-6	Mercury	98.5	% Recovery	80 - 120	1	NA		05-29-07

MSD: Matrix Spike Duplicate Precision **Lab Sample ID: 0705511-0001A** **M07564-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.15	7439-97-6	Mercury	3.79	RPD	0 - 20	1	NA		05-29-07

MSD: Matrix Spike Duplicate Accuracy **Lab Sample ID: 0705511-0001A** **M07564-005**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.15	7439-97-6	Mercury	94.8	% Recovery	80 - 120	1	NA		05-29-07

MD: Matrix Duplicate **Lab Sample ID: 0705511-0001A** **M07564-006**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.16	7439-97-6	Mercury	NA	RPD	0 - 20	1	NA		05-29-07

SD: Serial Dilution **Lab Sample ID: 0705511-0001A** **M07564-007**

Run Sequence	CAS #	Analyte	Result	Units	Range	Dilution Factor	Detection Limit	Code	Run Date
MT.2007.914.17	7439-97-6	Mercury	NA	RPD	0 - 20	5	NA		05-29-07

APPENDIX C

CONFIRMATION SAMPLE ANALYTICAL RESULTS
ANALYTICAL RESULTS

(on CD only)

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM 88002

Report Date: January 4, 2006

Work Order: 5122814

Project Name: POL 16 AST
Project Number: 20

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
80888	SE70-0205-CS-001	soil	2005-12-22	10:30	2005-12-28
80889	SE70-0205-CS-101	soil	2005-12-22	10:30	2005-12-28
80890	SE70-0205-CS-002	soil	2005-12-22	10:40	2005-12-28
80891	SE70-0205-CS-003	soil	2005-12-22	10:55	2005-12-28
80892	SE70-0205-CS-004	soil	2005-12-22	11:03	2005-12-28
80893	SE70-0205-CS-005	soil	2005-12-22	11:09	2005-12-28
80894	SE70-0205-CS-006	soil	2005-12-22	11:16	2005-12-28
80895	SE70-0205-CS-006-TB	water	2005-12-22	11:16	2005-12-28

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 49 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 80888 - SE70-0205-CS-001

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	23789	Date Analyzed:	2006-01-02	Analyzed By:	AG
Prep Batch:	20830	Sample Preparation:	2005-12-29	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250

continued . . .

sample 80888 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.490	mg/Kg	1	2.67	18	8.6 - 115
Phenol-d5		0.520	mg/Kg	1	2.67	19	6.3 - 124
Nitrobenzene-d5		0.520	mg/Kg	1	2.67	19	11.3 - 116
2-Fluorobiphenyl		0.470	mg/Kg	1	2.67	18	14.6 - 122
2,4,6-Tribromophenol		0.700	mg/Kg	1	2.67	26	13.8 - 123
Terphenyl-d14		0.870	mg/Kg	1	2.67	32	30.8 - 134

Sample: 80888 - SE70-0205-CS-001

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	23726	Date Analyzed:	2005-12-30	Analyzed By:	RR
Prep Batch:	20820	Sample Preparation:	2005-12-29	Prepared By:	DS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	23734	Date Analyzed:	2005-12-30	Analyzed By:	TP
Prep Batch:	20838	Sample Preparation:	2005-12-30	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**8.58**	mg/Kg	1	1.00
Total Cadmium		<0.100	mg/Kg	1	0.100
Total Chromium		<0.500	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 80888 - SE70-0205-CS-001

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	23710	Date Analyzed:	2005-12-28	Analyzed By:	DS
Prep Batch:	20817	Sample Preparation:	2005-12-28	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		112	mg/Kg	1	150	75	50 - 150

Sample: 80888 - SE70-0205-CS-001

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	23788	Date Analyzed:	2006-01-03	Analyzed By:	JG
Prep Batch:	20885	Sample Preparation:	2006-01-03	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	μg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	μg/Kg	10	1.00
Vinyl Chloride		<10.0	μg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	μg/Kg	10	5.00
Chloroethane		<10.0	μg/Kg	10	1.00
Trichlorofluoromethane		<10.0	μg/Kg	10	1.00
Acetone		<100	μg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	μg/Kg	10	5.00
Carbon Disulfide		<10.0	μg/Kg	10	1.00
Acrylonitrile		<10.0	μg/Kg	10	1.00
2-Butanone (MEK)		<50.0	μg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	μg/Kg	10	5.00
2-Hexanone		<50.0	μg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	μg/Kg	10	10.0
1,1-Dichloroethene		<10.0	μg/Kg	10	1.00
Methylene chloride		<50.0	μg/Kg	10	5.00
MTBE		<10.0	μg/Kg	10	1.00
trans-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
1,1-Dichloroethane		<10.0	μg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
2,2-Dichloropropane		<10.0	μg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	10	1.00
Chloroform		<10.0	μg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	μg/Kg	10	1.00
1,1-Dichloropropene		<10.0	μg/Kg	10	1.00
Benzene		<10.0	μg/Kg	10	1.00
Carbon Tetrachloride		<10.0	μg/Kg	10	1.00
1,2-Dichloropropane		<10.0	μg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	μg/Kg	10	1.00
Dibromomethane (methylene bromide)		<10.0	μg/Kg	10	1.00
Bromodichloromethane		<10.0	μg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	μg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
Toluene		<10.0	μg/Kg	10	1.00
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00

continued . . .

sample 80888 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropylbenzene		<10.0	μg/Kg	10	1.00
Bromobenzene		<10.0	μg/Kg	10	1.00
n-Propylbenzene		<10.0	μg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	μg/Kg	10	1.00
tert-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	μg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	10	1.00
sec-Butylbenzene		<10.0	μg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	10	1.00
p-Isopropyltoluene		<10.0	μg/Kg	10	1.00
4-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	10	1.00
n-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	μg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	μg/Kg	10	5.00
Naphthalene		<50.0	μg/Kg	10	5.00
Hexachlorobutadiene		<50.0	μg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		446	μg/Kg	10	50.0	89	42 - 129
Toluene-d8		506	μg/Kg	10	50.0	101	93 - 107
4-Bromofluorobenzene (4-BFB)		499	μg/Kg	10	50.0	100	78 - 120

Sample: 80889 - SE70-0205-CS-101

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	23789	Date Analyzed:	2006-01-02	Analyzed By:	AG
Prep Batch:	20830	Sample Preparation:	2005-12-29	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250

continued . . .

sample 80889 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250

continued . . .

sample 80889 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.720	mg/Kg	1	2.67	27	8.6 - 115
Phenol-d5		0.770	mg/Kg	1	2.67	29	6.3 - 124
Nitrobenzene-d5		0.770	mg/Kg	1	2.67	29	11.3 - 116
2-Fluorobiphenyl		0.700	mg/Kg	1	2.67	26	14.6 - 122
2,4,6-Tribromophenol		1.09	mg/Kg	1	2.67	41	13.8 - 123
Terphenyl-d14		1.33	mg/Kg	1	2.67	50	30.8 - 134

Sample: 80889 - SE70-0205-CS-101

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	23726	Date Analyzed:	2005-12-30	Analyzed By:	RR
Prep Batch:	20820	Sample Preparation:	2005-12-29	Prepared By:	DS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	23734	Date Analyzed:	2005-12-30	Analyzed By:	TP
Prep Batch:	20838	Sample Preparation:	2005-12-30	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**8.48**	mg/Kg	1	1.00
Total Cadmium		<0.100	mg/Kg	1	0.100
Total Chromium		<0.500	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 80889 - SE70-0205-CS-101

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	23710	Date Analyzed:	2005-12-28	Analyzed By:	DS
Prep Batch:	20817	Sample Preparation:	2005-12-28	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		137	mg/Kg	1	150	91	50 - 150

Sample: 80889 - SE70-0205-CS-101

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	23788	Date Analyzed:	2006-01-03	Analyzed By:	JG
Prep Batch:	20885	Sample Preparation:	2006-01-03	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	µg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	µg/Kg	10	1.00
Vinyl Chloride		<10.0	µg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	µg/Kg	10	5.00
Chloroethane		<10.0	µg/Kg	10	1.00
Trichlorofluoromethane		<10.0	µg/Kg	10	1.00
Acetone		<100	µg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	µg/Kg	10	5.00
Carbon Disulfide		<10.0	µg/Kg	10	1.00
Acrylonitrile		<10.0	µg/Kg	10	1.00
2-Butanone (MEK)		<50.0	µg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	10	5.00
2-Hexanone		<50.0	µg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	µg/Kg	10	10.0
1,1-Dichloroethene		<10.0	µg/Kg	10	1.00
Methylene chloride		<50.0	µg/Kg	10	5.00
MTBE		<10.0	µg/Kg	10	1.00

continued . . .

sample 80889 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
trans-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
1,1-Dichloroethane		<10.0	μg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
2,2-Dichloropropane		<10.0	μg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	10	1.00
Chloroform		<10.0	μg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	μg/Kg	10	1.00
1,1-Dichloropropene		<10.0	μg/Kg	10	1.00
Benzene		<10.0	μg/Kg	10	1.00
Carbon Tetrachloride		<10.0	μg/Kg	10	1.00
1,2-Dichloropropane		<10.0	μg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	μg/Kg	10	1.00
Dibromomethane (methylene bromide)		<10.0	μg/Kg	10	1.00
Bromodichloromethane		<10.0	μg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	μg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
Toluene		<10.0	μg/Kg	10	1.00
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00
Isopropylbenzene		<10.0	μg/Kg	10	1.00
Bromobenzene		<10.0	μg/Kg	10	1.00
n-Propylbenzene		<10.0	μg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	μg/Kg	10	1.00
tert-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	μg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	10	1.00
sec-Butylbenzene		<10.0	μg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	10	1.00
p-Isopropyltoluene		<10.0	μg/Kg	10	1.00
4-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	10	1.00
n-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	μg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	μg/Kg	10	5.00

continued . . .

sample 80889 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<50.0	μg/Kg	10	5.00
Hexachlorobutadiene		<50.0	μg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		453	μg/Kg	10	50.0	91	42 - 129
Toluene-d8		507	μg/Kg	10	50.0	101	93 - 107
4-Bromofluorobenzene (4-BFB)		501	μg/Kg	10	50.0	100	78 - 120

Sample: 80890 - SE70-0205-CS-002

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	23789	Date Analyzed:	2006-01-02	Analyzed By:	AG
Prep Batch:	20830	Sample Preparation:	2005-12-29	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250

continued . . .

sample 80890 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250

continued . . .

sample 80890 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.620	mg/Kg	1	2.67	23	8.6 - 115
Phenol-d5		0.660	mg/Kg	1	2.67	25	6.3 - 124
Nitrobenzene-d5		0.640	mg/Kg	1	2.67	24	11.3 - 116
2-Fluorobiphenyl		0.600	mg/Kg	1	2.67	22	14.6 - 122
2,4,6-Tribromophenol		0.860	mg/Kg	1	2.67	32	13.8 - 123
Terphenyl-d14		0.970	mg/Kg	1	2.67	36	30.8 - 134

Sample: 80890 - SE70-0205-CS-002

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	23726	Date Analyzed:	2005-12-30	Analyzed By:	RR
Prep Batch:	20820	Sample Preparation:	2005-12-29	Prepared By:	DS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	23734	Date Analyzed:	2005-12-30	Analyzed By:	TP
Prep Batch:	20838	Sample Preparation:	2005-12-30	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**7.79**	mg/Kg	1	1.00
Total Cadmium		<0.100	mg/Kg	1	0.100
Total Chromium		<0.500	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 80890 - SE70-0205-CS-002

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	23710	Date Analyzed:	2005-12-28	Analyzed By:	DS
Prep Batch:	20817	Sample Preparation:	2005-12-28	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		147	mg/Kg	1	150	98	50 - 150

Sample: 80890 - SE70-0205-CS-002

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	23788	Date Analyzed:	2006-01-03	Analyzed By:	JG
Prep Batch:	20885	Sample Preparation:	2006-01-03	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	µg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	µg/Kg	10	1.00
Vinyl Chloride		<10.0	µg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	µg/Kg	10	5.00
Chloroethane		<10.0	µg/Kg	10	1.00
Trichlorofluoromethane		<10.0	µg/Kg	10	1.00
Acetone		<100	µg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	µg/Kg	10	5.00
Carbon Disulfide		<10.0	µg/Kg	10	1.00
Acrylonitrile		<10.0	µg/Kg	10	1.00
2-Butanone (MEK)		<50.0	µg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	10	5.00
2-Hexanone		<50.0	µg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	µg/Kg	10	10.0
1,1-Dichloroethene		<10.0	µg/Kg	10	1.00
Methylene chloride		<50.0	µg/Kg	10	5.00
MTBE		<10.0	µg/Kg	10	1.00
trans-1,2-Dichloroethene		<10.0	µg/Kg	10	1.00
1,1-Dichloroethane		<10.0	µg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	µg/Kg	10	1.00
2,2-Dichloropropane		<10.0	µg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	10	1.00
Chloroform		<10.0	µg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	µg/Kg	10	1.00
1,1-Dichloropropene		<10.0	µg/Kg	10	1.00
Benzene		<10.0	µg/Kg	10	1.00
Carbon Tetrachloride		<10.0	µg/Kg	10	1.00
1,2-Dichloropropane		<10.0	µg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	µg/Kg	10	1.00

continued . . .

sample 80890 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dibromomethane (methylene bromide)		<10.0	µg/Kg	10	1.00
Bromodichloromethane		<10.0	µg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	µg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	µg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	µg/Kg	10	1.00
Toluene		<10.0	µg/Kg	10	1.00
1,1,2-Trichloroethane		<10.0	µg/Kg	10	1.00
1,3-Dichloropropane		<10.0	µg/Kg	10	1.00
Dibromochloromethane		<10.0	µg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	µg/Kg	10	1.00
Chlorobenzene		<10.0	µg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	10	1.00
Ethylbenzene		<10.0	µg/Kg	10	1.00
m,p-Xylene		<10.0	µg/Kg	10	1.00
Bromoform		<10.0	µg/Kg	10	1.00
Styrene		<10.0	µg/Kg	10	1.00
o-Xylene		<10.0	µg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	10	1.00
2-Chlorotoluene		<10.0	µg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	µg/Kg	10	1.00
Isopropylbenzene		<10.0	µg/Kg	10	1.00
Bromobenzene		<10.0	µg/Kg	10	1.00
n-Propylbenzene		<10.0	µg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	µg/Kg	10	1.00
tert-Butylbenzene		<10.0	µg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	µg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	10	1.00
sec-Butylbenzene		<10.0	µg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	10	1.00
p-Isopropyltoluene		<10.0	µg/Kg	10	1.00
4-Chlorotoluene		<10.0	µg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	10	1.00
n-Butylbenzene		<10.0	µg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	µg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	µg/Kg	10	5.00
Naphthalene		<50.0	µg/Kg	10	5.00
Hexachlorobutadiene		<50.0	µg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		454	µg/Kg	10	50.0	91	42 - 129
Toluene-d8		504	µg/Kg	10	50.0	101	93 - 107
4-Bromofluorobenzene (4-BFB)		499	µg/Kg	10	50.0	100	78 - 120

Sample: 80891 - SE70-0205-CS-003

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	23789	Date Analyzed:	2006-01-02	Analyzed By:	AG
Prep Batch:	20830	Sample Preparation:	2005-12-29	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250

continued . . .

sample 80891 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.780	mg/Kg	1	2.67	29	8.6 - 115
Phenol-d5		0.840	mg/Kg	1	2.67	31	6.3 - 124
Nitrobenzene-d5		0.820	mg/Kg	1	2.67	31	11.3 - 116
2-Fluorobiphenyl		0.750	mg/Kg	1	2.67	28	14.6 - 122
2,4,6-Tribromophenol		1.16	mg/Kg	1	2.67	43	13.8 - 123
Terphenyl-d14		1.27	mg/Kg	1	2.67	48	30.8 - 134

Sample: 80891 - SE70-0205-CS-003

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	23726	Date Analyzed:	2005-12-30	Analyzed By:	RR
Prep Batch:	20820	Sample Preparation:	2005-12-29	Prepared By:	DS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	23734	Date Analyzed:	2005-12-30	Analyzed By:	TP
Prep Batch:	20838	Sample Preparation:	2005-12-30	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**18.2**	mg/Kg	1	1.00
Total Cadmium		**0.224**	mg/Kg	1	0.100
Total Chromium		<0.500	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 80891 - SE70-0205-CS-003

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	23710	Date Analyzed:	2005-12-28	Analyzed By:	DS
Prep Batch:	20817	Sample Preparation:	2005-12-28	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		130	mg/Kg	1	150	86	50 - 150

Sample: 80891 - SE70-0205-CS-003

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	23788	Date Analyzed:	2006-01-03	Analyzed By:	JG
Prep Batch:	20885	Sample Preparation:	2006-01-03	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	μg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	μg/Kg	10	1.00
Vinyl Chloride		<10.0	μg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	μg/Kg	10	5.00
Chloroethane		<10.0	μg/Kg	10	1.00
Trichlorofluoromethane		<10.0	μg/Kg	10	1.00
Acetone		<100	μg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	μg/Kg	10	5.00
Carbon Disulfide		<10.0	μg/Kg	10	1.00
Acrylonitrile		<10.0	μg/Kg	10	1.00
2-Butanone (MEK)		<50.0	μg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	μg/Kg	10	5.00
2-Hexanone		<50.0	μg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	μg/Kg	10	10.0
1,1-Dichloroethene		<10.0	μg/Kg	10	1.00
Methylene chloride		<50.0	μg/Kg	10	5.00
MTBE		<10.0	μg/Kg	10	1.00
trans-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
1,1-Dichloroethane		<10.0	μg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
2,2-Dichloropropane		<10.0	μg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	10	1.00
Chloroform		<10.0	μg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	μg/Kg	10	1.00
1,1-Dichloropropene		<10.0	μg/Kg	10	1.00
Benzene		<10.0	μg/Kg	10	1.00
Carbon Tetrachloride		<10.0	μg/Kg	10	1.00
1,2-Dichloropropane		<10.0	μg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	μg/Kg	10	1.00
Dibromomethane (methylene bromide)		<10.0	μg/Kg	10	1.00
Bromodichloromethane		<10.0	μg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	μg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
Toluene		<10.0	μg/Kg	10	1.00
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00

continued . . .

sample 80891 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropylbenzene		<10.0	μg/Kg	10	1.00
Bromobenzene		<10.0	μg/Kg	10	1.00
n-Propylbenzene		<10.0	μg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	μg/Kg	10	1.00
tert-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	μg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	10	1.00
sec-Butylbenzene		<10.0	μg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	10	1.00
p-Isopropyltoluene		<10.0	μg/Kg	10	1.00
4-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	10	1.00
n-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	μg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	μg/Kg	10	5.00
Naphthalene		<50.0	μg/Kg	10	5.00
Hexachlorobutadiene		<50.0	μg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		449	μg/Kg	10	50.0	90	42 - 129
Toluene-d8		499	μg/Kg	10	50.0	100	93 - 107
4-Bromofluorobenzene (4-BFB)		492	μg/Kg	10	50.0	98	78 - 120

Sample: 80892 - SE70-0205-CS-004

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	23789	Date Analyzed:	2006-01-02	Analyzed By:	AG
Prep Batch:	20830	Sample Preparation:	2005-12-29	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250

continued . . .

sample 80892 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250

continued . . .

sample 80892 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.640	mg/Kg	1	2.67	24	8.6 - 115
Phenol-d5		0.690	mg/Kg	1	2.67	26	6.3 - 124
Nitrobenzene-d5		0.670	mg/Kg	1	2.67	25	11.3 - 116
2-Fluorobiphenyl		0.600	mg/Kg	1	2.67	22	14.6 - 122
2,4,6-Tribromophenol		0.860	mg/Kg	1	2.67	32	13.8 - 123
Terphenyl-d14		1.05	mg/Kg	1	2.67	39	30.8 - 134

Sample: 80892 - SE70-0205-CS-004

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	23726	Date Analyzed:	2005-12-30	Analyzed By:	RR
Prep Batch:	20820	Sample Preparation:	2005-12-29	Prepared By:	DS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	23734	Date Analyzed:	2005-12-30	Analyzed By:	TP
Prep Batch:	20838	Sample Preparation:	2005-12-30	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**28.2**	mg/Kg	1	1.00
Total Cadmium		**0.286**	mg/Kg	1	0.100
Total Chromium		<0.500	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 80892 - SE70-0205-CS-004

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	23710	Date Analyzed:	2005-12-28	Analyzed By:	DS
Prep Batch:	20817	Sample Preparation:	2005-12-28	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		132	mg/Kg	1	150	88	50 - 150

Sample: 80892 - SE70-0205-CS-004

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	23788	Date Analyzed:	2006-01-03	Analyzed By:	JG
Prep Batch:	20885	Sample Preparation:	2006-01-03	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	µg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	µg/Kg	10	1.00
Vinyl Chloride		<10.0	µg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	µg/Kg	10	5.00
Chloroethane		<10.0	µg/Kg	10	1.00
Trichlorofluoromethane		<10.0	µg/Kg	10	1.00
Acetone		<100	µg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	µg/Kg	10	5.00
Carbon Disulfide		<10.0	µg/Kg	10	1.00
Acrylonitrile		<10.0	µg/Kg	10	1.00
2-Butanone (MEK)		<50.0	µg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	10	5.00
2-Hexanone		<50.0	µg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	µg/Kg	10	10.0
1,1-Dichloroethene		<10.0	µg/Kg	10	1.00
Methylene chloride		<50.0	µg/Kg	10	5.00
MTBE		<10.0	µg/Kg	10	1.00

continued . . .

sample 80892 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
trans-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
1,1-Dichloroethane		<10.0	μg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
2,2-Dichloropropane		<10.0	μg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	10	1.00
Chloroform		<10.0	μg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	μg/Kg	10	1.00
1,1-Dichloropropene		<10.0	μg/Kg	10	1.00
Benzene		<10.0	μg/Kg	10	1.00
Carbon Tetrachloride		<10.0	μg/Kg	10	1.00
1,2-Dichloropropane		<10.0	μg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	μg/Kg	10	1.00
Dibromomethane (methylene bromide)		<10.0	μg/Kg	10	1.00
Bromodichloromethane		<10.0	μg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	μg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
Toluene		<10.0	μg/Kg	10	1.00
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00
Isopropylbenzene		<10.0	μg/Kg	10	1.00
Bromobenzene		<10.0	μg/Kg	10	1.00
n-Propylbenzene		<10.0	μg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	μg/Kg	10	1.00
tert-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	μg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	10	1.00
sec-Butylbenzene		<10.0	μg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	10	1.00
p-Isopropyltoluene		<10.0	μg/Kg	10	1.00
4-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	10	1.00
n-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	μg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	μg/Kg	10	5.00

continued . . .

sample 80892 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<50.0	μg/Kg	10	5.00
Hexachlorobutadiene		<50.0	μg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		452	μg/Kg	10	50.0	90	42 - 129
Toluene-d8		503	μg/Kg	10	50.0	101	93 - 107
4-Bromofluorobenzene (4-BFB)		491	μg/Kg	10	50.0	98	78 - 120

Sample: 80893 - SE70-0205-CS-005

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	23789	Date Analyzed:	2006-01-02	Analyzed By:	AG
Prep Batch:	20830	Sample Preparation:	2005-12-29	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250

continued . . .

sample 80893 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250

continued . . .

sample 80893 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.700	mg/Kg	1	2.67	26	8.6 - 115
Phenol-d5		0.780	mg/Kg	1	2.67	29	6.3 - 124
Nitrobenzene-d5		0.770	mg/Kg	1	2.67	29	11.3 - 116
2-Fluorobiphenyl		0.790	mg/Kg	1	2.67	30	14.6 - 122
2,4,6-Tribromophenol		1.46	mg/Kg	1	2.67	55	13.8 - 123
Terphenyl-d14		1.41	mg/Kg	1	2.67	53	30.8 - 134

Sample: 80893 - SE70-0205-CS-005

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	23726	Date Analyzed:	2005-12-30	Analyzed By:	RR
Prep Batch:	20820	Sample Preparation:	2005-12-29	Prepared By:	DS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	23734	Date Analyzed:	2005-12-30	Analyzed By:	TP
Prep Batch:	20838	Sample Preparation:	2005-12-30	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**72.9**	mg/Kg	1	1.00
Total Cadmium		**2.25**	mg/Kg	1	0.100
Total Chromium		**15.9**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**90.5**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 80893 - SE70-0205-CS-005

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	23710	Date Analyzed:	2005-12-28	Analyzed By:	DS
Prep Batch:	20817	Sample Preparation:	2005-12-28	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		152	mg/Kg	1	150	101	50 - 150

Sample: 80893 - SE70-0205-CS-005

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	23788	Date Analyzed:	2006-01-03	Analyzed By:	JG
Prep Batch:	20885	Sample Preparation:	2006-01-03	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	µg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	µg/Kg	10	1.00
Vinyl Chloride		<10.0	µg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	µg/Kg	10	5.00
Chloroethane		<10.0	µg/Kg	10	1.00
Trichlorofluoromethane		<10.0	µg/Kg	10	1.00
Acetone		<100	µg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	µg/Kg	10	5.00
Carbon Disulfide		<10.0	µg/Kg	10	1.00
Acrylonitrile		<10.0	µg/Kg	10	1.00
2-Butanone (MEK)		<50.0	µg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	10	5.00
2-Hexanone		<50.0	µg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	µg/Kg	10	10.0
1,1-Dichloroethene		<10.0	µg/Kg	10	1.00
Methylene chloride		<50.0	µg/Kg	10	5.00
MTBE		<10.0	µg/Kg	10	1.00
trans-1,2-Dichloroethene		<10.0	µg/Kg	10	1.00
1,1-Dichloroethane		<10.0	µg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	µg/Kg	10	1.00
2,2-Dichloropropane		<10.0	µg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	10	1.00
Chloroform		<10.0	µg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	µg/Kg	10	1.00
1,1-Dichloropropene		<10.0	µg/Kg	10	1.00
Benzene		<10.0	µg/Kg	10	1.00
Carbon Tetrachloride		<10.0	µg/Kg	10	1.00
1,2-Dichloropropane		<10.0	µg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	µg/Kg	10	1.00

continued . . .

sample 80893 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dibromomethane (methylene bromide)		<10.0	μg/Kg	10	1.00
Bromodichloromethane		<10.0	μg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	μg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
Toluene		<10.0	μg/Kg	10	1.00
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00
Isopropylbenzene		<10.0	μg/Kg	10	1.00
Bromobenzene		<10.0	μg/Kg	10	1.00
n-Propylbenzene		<10.0	μg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	μg/Kg	10	1.00
tert-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	μg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	10	1.00
sec-Butylbenzene		<10.0	μg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	10	1.00
p-Isopropyltoluene		<10.0	μg/Kg	10	1.00
4-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	10	1.00
n-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	μg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	μg/Kg	10	5.00
Naphthalene		<50.0	μg/Kg	10	5.00
Hexachlorobutadiene		<50.0	μg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		459	μg/Kg	10	50.0	92	42 - 129
Toluene-d8		498	μg/Kg	10	50.0	100	93 - 107
4-Bromofluorobenzene (4-BFB)		491	μg/Kg	10	50.0	98	78 - 120

Sample: 80894 - SE70-0205-CS-006

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	23789	Date Analyzed:	2006-01-02	Analyzed By:	AG
Prep Batch:	20830	Sample Preparation:	2005-12-29	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250

continued . . .

sample 80894 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.620	mg/Kg	1	2.67	23	8.6 - 115
Phenol-d5		0.680	mg/Kg	1	2.67	25	6.3 - 124
Nitrobenzene-d5		0.650	mg/Kg	1	2.67	24	11.3 - 116
2-Fluorobiphenyl		0.590	mg/Kg	1	2.67	22	14.6 - 122
2,4,6-Tribromophenol		0.830	mg/Kg	1	2.67	31	13.8 - 123
Terphenyl-d14		1.04	mg/Kg	1	2.67	39	30.8 - 134

Sample: 80894 - SE70-0205-CS-006

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	23726	Date Analyzed:	2005-12-30	Analyzed By:	RR
Prep Batch:	20820	Sample Preparation:	2005-12-29	Prepared By:	DS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	23735	Date Analyzed:	2005-12-30	Analyzed By:	TP
Prep Batch:	20838	Sample Preparation:	2005-12-30	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**47.2**	mg/Kg	1	1.00
Total Cadmium		**0.404**	mg/Kg	1	0.100
Total Chromium		<0.500	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**1.70**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 80894 - SE70-0205-CS-006

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	23710	Date Analyzed:	2005-12-28	Analyzed By:	DS
Prep Batch:	20817	Sample Preparation:	2005-12-28	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		154	mg/Kg	1	150	103	50 - 150

Sample: 80894 - SE70-0205-CS-006

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	23788	Date Analyzed:	2006-01-03	Analyzed By:	JG
Prep Batch:	20885	Sample Preparation:	2006-01-03	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	μg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	μg/Kg	10	1.00
Vinyl Chloride		<10.0	μg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	μg/Kg	10	5.00
Chloroethane		<10.0	μg/Kg	10	1.00
Trichlorofluoromethane		<10.0	μg/Kg	10	1.00
Acetone		<100	μg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	μg/Kg	10	5.00
Carbon Disulfide		<10.0	μg/Kg	10	1.00
Acrylonitrile		<10.0	μg/Kg	10	1.00
2-Butanone (MEK)		<50.0	μg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	μg/Kg	10	5.00
2-Hexanone		<50.0	μg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	μg/Kg	10	10.0
1,1-Dichloroethene		<10.0	μg/Kg	10	1.00
Methylene chloride		<50.0	μg/Kg	10	5.00
MTBE		<10.0	μg/Kg	10	1.00
trans-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
1,1-Dichloroethane		<10.0	μg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
2,2-Dichloropropane		<10.0	μg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	10	1.00
Chloroform		<10.0	μg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	μg/Kg	10	1.00
1,1-Dichloropropene		<10.0	μg/Kg	10	1.00
Benzene		<10.0	μg/Kg	10	1.00
Carbon Tetrachloride		<10.0	μg/Kg	10	1.00
1,2-Dichloropropane		<10.0	μg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	μg/Kg	10	1.00
Dibromomethane (methylene bromide)		<10.0	μg/Kg	10	1.00
Bromodichloromethane		<10.0	μg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	μg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
Toluene		<10.0	μg/Kg	10	1.00
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00

continued . . .

sample 80894 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropylbenzene		<10.0	µg/Kg	10	1.00
Bromobenzene		<10.0	µg/Kg	10	1.00
n-Propylbenzene		<10.0	µg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	µg/Kg	10	1.00
tert-Butylbenzene		<10.0	µg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	µg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	10	1.00
sec-Butylbenzene		<10.0	µg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	10	1.00
p-Isopropyltoluene		<10.0	µg/Kg	10	1.00
4-Chlorotoluene		<10.0	µg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	10	1.00
n-Butylbenzene		<10.0	µg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	µg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	µg/Kg	10	5.00
Naphthalene		<50.0	µg/Kg	10	5.00
Hexachlorobutadiene		<50.0	µg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		460	µg/Kg	10	50.0	92	42 - 129
Toluene-d8		501	µg/Kg	10	50.0	100	93 - 107
4-Bromofluorobenzene (4-BFB)		499	µg/Kg	10	50.0	100	78 - 120

Sample: 80895 - SE70-0205-CS-006-TB

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	23784	Date Analyzed:	2006-01-03	Analyzed By:	JG
Prep Batch:	20882	Sample Preparation:	2006-01-03	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<1.00	µg/L	1	1.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		**25.6**	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<1.00	µg/L	1	1.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0

continued . . .

sample 80895 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,1-Dichloroethene		<1.00	μg/L	1	1.00
Methylene chloride		<5.00	μg/L	1	5.00
MTBE		<1.00	μg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	μg/L	1	1.00
1,1-Dichloroethane		<1.00	μg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	μg/L	1	1.00
2,2-Dichloropropane		<1.00	μg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	μg/L	1	1.00
Chloroform		<1.00	μg/L	1	1.00
1,1,1-Trichloroethane		<1.00	μg/L	1	1.00
1,1-Dichloropropene		<1.00	μg/L	1	1.00
Benzene		<1.00	μg/L	1	1.00
Carbon Tetrachloride		<1.00	μg/L	1	1.00
1,2-Dichloropropane		<1.00	μg/L	1	1.00
Trichloroethene (TCE)		<1.00	μg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	μg/L	1	1.00
Bromodichloromethane		<1.00	μg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	μg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	μg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	μg/L	1	1.00
Toluene		<1.00	μg/L	1	1.00
1,1,2-Trichloroethane		<1.00	μg/L	1	1.00
1,3-Dichloropropane		<1.00	μg/L	1	1.00
Dibromochloromethane		<1.00	μg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	μg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	μg/L	1	1.00
Chlorobenzene		<1.00	μg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	μg/L	1	1.00
Ethylbenzene		<1.00	μg/L	1	1.00
m,p-Xylene		<1.00	μg/L	1	1.00
Bromoform		<1.00	μg/L	1	1.00
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00

continued . . .

sample 80895 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,2-Dibromo-3-chloropropane		<2.00	μg/L	1	2.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.4	μg/L	1	50.0	97	70 - 130
Toluene-d8		51.4	μg/L	1	50.0	103	70 - 130
4-Bromofluorobenzene (4-BFB)		46.6	μg/L	1	50.0	93	70 - 130

Method Blank (1) QC Batch: 23710

Parameter	Flag	MDL Result	Units	RL
DRO		<12.0	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		159	mg/Kg	1	150	106	50 - 150

Method Blank (1) QC Batch: 23726

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00444	mg/Kg	0.05
Total Arsenic		<0.228	mg/Kg	2
Total Barium		<0.0601	mg/Kg	1
Total Cadmium		<0.00794	mg/Kg	0.1
Total Chromium		<0.0125	mg/Kg	0.5
Total Lead		<0.367	mg/Kg	1
Total Selenium		<0.0767	mg/Kg	1

Method Blank (1) QC Batch: 23734

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00880	mg/Kg	0.04

Method Blank (1) QC Batch: 23735

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00880	mg/Kg	0.04

Method Blank (1) QC Batch: 23784

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	μg/L	1
Dichlorodifluoromethane		<0.0598	μg/L	1
Chloromethane (methyl chloride)		<0.230	μg/L	1
Vinyl Chloride		<0.0902	μg/L	1
Bromomethane (methyl bromide)		<0.740	μg/L	5
Chloroethane		<0.195	μg/L	1
Trichlorofluoromethane		<0.160	μg/L	1
Acetone		<0.854	μg/L	10
Iodomethane (methyl iodide)		<0.112	μg/L	5
Carbon Disulfide		<0.0764	μg/L	1
Acrylonitrile		<0.184	μg/L	1
2-Butanone (MEK)		0.660	μg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	μg/L	5
2-Hexanone		<0.0975	μg/L	5
trans 1,4-Dichloro-2-butene		<0.421	μg/L	10
1,1-Dichloroethene		<0.0736	μg/L	1
Methylene chloride		0.860	μg/L	5
MTBE		<0.0504	μg/L	1
trans-1,2-Dichloroethene		<0.0598	μg/L	1
1,1-Dichloroethane		<0.0299	μg/L	1
cis-1,2-Dichloroethene		<0.101	μg/L	1
2,2-Dichloropropane		<0.0665	μg/L	1
1,2-Dichloroethane (EDC)		<0.0557	μg/L	1
Chloroform		<0.0475	μg/L	1
1,1,1-Trichloroethane		<0.0846	μg/L	1
1,1-Dichloropropene		<0.0423	μg/L	1
Benzene		<0.0495	μg/L	1
Carbon Tetrachloride		<0.121	μg/L	1
1,2-Dichloropropane		<0.0933	μg/L	1
Trichloroethene (TCE)		<0.0495	μg/L	1
Dibromomethane (methylene bromide)		<0.0640	μg/L	1
Bromodichloromethane		<0.0651	μg/L	1
2-Chloroethyl vinyl ether		<0.0905	μg/L	5
cis-1,3-Dichloropropene		<0.0640	μg/L	1
trans-1,3-Dichloropropene		<0.0504	μg/L	1
Toluene		<0.0736	μg/L	1
1,1,2-Trichloroethane		<0.106	μg/L	1
1,3-Dichloropropane		<0.0625	μg/L	1
Dibromochloromethane		<0.0791	μg/L	1
1,2-Dibromoethane (EDB)		<0.0460	μg/L	1
Tetrachloroethene (PCE)		<0.0696	μg/L	1
Chlorobenzene		0.0400	μg/L	1
1,1,1,2-Tetrachloroethane		<0.125	μg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		0.0600	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1
o-Xylene		<0.0504	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		0.0500	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		0.0700	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		0.0600	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		0.0800	µg/L	1
1,3-Dichlorobenzene (meta)		0.0800	µg/L	1
p-Isopropyltoluene		0.0800	µg/L	1
4-Chlorotoluene		0.0500	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		0.130	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	2
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5
Naphthalene		<0.417	µg/L	5
Hexachlorobutadiene		0.720	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.3	µg/L	1	50.0	97	70 - 130
Toluene-d8		50.8	µg/L	1	50.0	102	70 - 130
4-Bromofluorobenzene (4-BFB)		47.1	µg/L	1	50.0	94	70 - 130

Method Blank (1) QC Batch: 23788

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<2.41	µg/Kg	1
Dichlorodifluoromethane		<0.789	µg/Kg	1
Chloromethane (methyl chloride)		<2.29	µg/Kg	1
Vinyl Chloride		<1.42	µg/Kg	1
Bromomethane (methyl bromide)		<7.00	µg/Kg	5
Chloroethane		<1.73	µg/Kg	1
Trichlorofluoromethane		<1.20	µg/Kg	1
Acetone		<17.0	µg/Kg	10
Iodomethane (methyl iodide)		<4.88	µg/Kg	5
Carbon Disulfide		<0.947	µg/Kg	1
Acrylonitrile		<4.94	µg/Kg	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
2-Butanone (MEK)		<14.0	μg/Kg	5
4-Methyl-2-pentanone (MIBK)		<7.86	μg/Kg	5
2-Hexanone		<2.22	μg/Kg	5
trans 1,4-Dichloro-2-butene		<1.33	μg/Kg	10
1,1-Dichloroethene		<1.17	μg/Kg	1
Methylene chloride		4.29	μg/Kg	5
MTBE		<1.53	μg/Kg	1
trans-1,2-Dichloroethene		<1.54	μg/Kg	1
1,1-Dichloroethane		<0.513	μg/Kg	1
cis-1,2-Dichloroethene		<2.13	μg/Kg	1
2,2-Dichloropropane		<0.982	μg/Kg	1
1,2-Dichloroethane (EDC)		<1.98	μg/Kg	1
Chloroform		1.59	μg/Kg	1
1,1,1-Trichloroethane		<1.01	μg/Kg	1
1,1-Dichloropropene		<1.60	μg/Kg	1
Benzene		<2.36	μg/Kg	1
Carbon Tetrachloride		<1.08	μg/Kg	1
1,2-Dichloropropane		<1.01	μg/Kg	1
Trichloroethene (TCE)		<1.95	μg/Kg	1
Dibromomethane (methylene bromide)		<1.62	μg/Kg	1
Bromodichloromethane		<0.958	μg/Kg	1
2-Chloroethyl vinyl ether		<1.31	μg/Kg	5
cis-1,3-Dichloropropene		<1.19	μg/Kg	1
trans-1,3-Dichloropropene		<0.860	μg/Kg	1
Toluene		<1.35	μg/Kg	1
1,1,2-Trichloroethane		<2.03	μg/Kg	1
1,3-Dichloropropane		<1.20	μg/Kg	1
Dibromochloromethane		<1.32	μg/Kg	1
1,2-Dibromoethane (EDB)		<1.48	μg/Kg	1
Tetrachloroethene (PCE)		<1.85	μg/Kg	1
Chlorobenzene		<1.24	μg/Kg	1
1,1,1,2-Tetrachloroethane		<1.20	μg/Kg	1
Ethylbenzene		<0.599	μg/Kg	1
m,p-Xylene		<1.75	μg/Kg	1
Bromoform		<1.80	μg/Kg	1
Styrene		<0.898	μg/Kg	1
o-Xylene		<0.991	μg/Kg	1
1,1,2,2-Tetrachloroethane		<2.56	μg/Kg	1
2-Chlorotoluene		<0.997	μg/Kg	1
1,2,3-Trichloropropane		<0.935	μg/Kg	1
Isopropylbenzene		<1.05	μg/Kg	1
Bromobenzene		<1.42	μg/Kg	1
n-Propylbenzene		<1.01	μg/Kg	1
1,3,5-Trimethylbenzene		<1.04	μg/Kg	1
tert-Butylbenzene		<1.96	μg/Kg	1
1,2,4-Trimethylbenzene		<1.48	μg/Kg	1
1,4-Dichlorobenzene (para)		<4.40	μg/Kg	1
sec-Butylbenzene		<1.13	μg/Kg	1
1,3-Dichlorobenzene (meta)		<0.924	μg/Kg	1
p-Isopropyltoluene		<1.05	μg/Kg	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
4-Chlorotoluene		<0.739	μg/Kg	1
1,2-Dichlorobenzene (ortho)		<1.09	μg/Kg	1
n-Butylbenzene		1.47	μg/Kg	1
1,2-Dibromo-3-chloropropane		<1.92	μg/Kg	5
1,2,3-Trichlorobenzene		<11.9	μg/Kg	5
1,2,4-Trichlorobenzene		<3.11	μg/Kg	5
Naphthalene		<2.58	μg/Kg	5
Hexachlorobutadiene		8.00	μg/Kg	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		455	μg/Kg	10	50.0	91	42 - 129
Toluene-d8		511	μg/Kg	10	50.0	102	93 - 107
4-Bromofluorobenzene (4-BFB)		493	μg/Kg	10	50.0	99	78 - 120

Method Blank (1) QC Batch: 23789

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.0637	mg/Kg	0.25
n-Nitrosodimethylamine		<0.0307	mg/Kg	0.25
2-Picoline		<0.0698	mg/Kg	0.25
Methyl methanesulfonate		<0.0299	mg/Kg	0.25
Ethyl methanesulfonate		<0.0390	mg/Kg	0.25
Phenol		<0.0602	mg/Kg	0.25
Aniline		<0.0369	mg/Kg	0.25
bis(2-chloroethyl)ether		<0.0407	mg/Kg	0.25
2-Chlorophenol		<0.0923	mg/Kg	0.25
1,3-Dichlorobenzene (meta)		<0.0299	mg/Kg	0.25
1,4-Dichlorobenzene (para)		<0.0303	mg/Kg	0.25
Benzyl alcohol		<0.0618	mg/Kg	0.25
1,2-Dichlorobenzene (ortho)		<0.0308	mg/Kg	0.25
2-Methylphenol		<0.0504	mg/Kg	0.25
bis(2-chloroisopropyl)ether		<0.0272	mg/Kg	0.25
4-Methylphenol / 3-Methylphenol		<0.0349	mg/Kg	0.25
Acetophenone		<0.0422	mg/Kg	0.25
n-Nitrosodi-n-propylamine		<0.0480	mg/Kg	0.25
Hexachloroethane		<0.0522	mg/Kg	0.25
Nitrobenzene		<0.179	mg/Kg	0.25
n-Nitrosopiperidine		<0.0354	mg/Kg	0.25
Isophorone		<0.0802	mg/Kg	0.25
2-Nitrophenol		<0.0236	mg/Kg	0.25
2,4-Dimethylphenol		<0.0416	mg/Kg	0.25
bis(2-chloroethoxy)methane		<0.0490	mg/Kg	0.25
Benzoic acid		<0.137	mg/Kg	0.25
2,4-Dichlorophenol		<0.130	mg/Kg	0.25
1,2,4-Trichlorobenzene		<0.0297	mg/Kg	0.25
a,a-Dimethylphenethylamine		<0.0533	mg/Kg	0.25

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Naphthalene		<0.0367	mg/Kg	0.25
4-Chloroaniline		<0.0492	mg/Kg	0.25
2,6-Dichlorophenol		<0.0365	mg/Kg	0.25
Hexachlorobutadiene		<0.0364	mg/Kg	0.25
n-Nitroso-di-n-butylamine		<0.0512	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.0474	mg/Kg	0.25
1-Methylnaphthalene		<0.0417	mg/Kg	0.25
2-Methylnaphthalene		<0.0339	mg/Kg	0.25
1,2,4,5-Tetrachlorobenzene		<0.0300	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.0352	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.0336	mg/Kg	0.25
2,4,5-Trichlorophenol		<0.0403	mg/Kg	0.25
2-Chloronaphthalene		<0.0266	mg/Kg	0.25
1-Chloronaphthalene		<0.0263	mg/Kg	0.25
2-Nitroaniline		<0.0290	mg/Kg	0.25
Dimethylphthalate		<0.0290	mg/Kg	0.25
Acenaphthylene		<0.0651	mg/Kg	0.25
2,6-Dinitrotoluene		<0.0535	mg/Kg	0.25
3-Nitroaniline		<0.0421	mg/Kg	0.25
Acenaphthene		<0.0745	mg/Kg	0.25
2,4-Dinitrophenol		<0.0860	mg/Kg	0.25
Dibenzofuran		<0.0274	mg/Kg	0.25
Pentachlorobenzene		<0.0396	mg/Kg	0.25
4-Nitrophenol		<0.169	mg/Kg	0.25
1-Naphthylamine		<0.0304	mg/Kg	0.25
2,4-Dinitrotoluene		<0.0609	mg/Kg	0.25
2-Naphthylamine		<0.153	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.0404	mg/Kg	0.25
Fluorene		<0.0435	mg/Kg	0.25
Diethylphthalate		<0.0402	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.0345	mg/Kg	0.25
4-Nitroaniline		<0.0176	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.330	mg/Kg	0.25
Diphenylamine		<0.0471	mg/Kg	0.25
Diphenylhydrazine		<0.0641	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.0310	mg/Kg	0.25
Phenacetin		<0.0344	mg/Kg	0.25
Hexachlorobenzene		<0.0306	mg/Kg	0.25
4-Aminobiphenyl		<0.128	mg/Kg	0.25
Pentachlorophenol		<0.151	mg/Kg	0.25
Pentachloronitrobenzene		<0.0775	mg/Kg	0.25
Pronamide		<0.0265	mg/Kg	0.25
Phenanthrene		<0.0737	mg/Kg	0.25
Anthracene		<0.0378	mg/Kg	0.25
Di-n-butylphthalate		<0.0300	mg/Kg	0.25
Fluoranthene		<0.0346	mg/Kg	0.25
Benzidine		<1.14	mg/Kg	0.25
Pyrene		<0.151	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.0298	mg/Kg	0.25
Butylbenzylphthalate		<0.0589	mg/Kg	0.25

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Benzo(a)anthracene		<0.0449	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.162	mg/Kg	0.25
Chrysene		<0.0357	mg/Kg	0.25
bis(2-ethylhexyl)phthalate		<0.0805	mg/Kg	0.25
Di-n-octylphthalate		<0.0394	mg/Kg	0.25
Benzo(b)fluoranthene		<0.0644	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.0356	mg/Kg	0.25
Benzo(k)fluoranthene		<0.0464	mg/Kg	0.25
Benzo(a)pyrene		<0.0349	mg/Kg	0.25
3-Methylcholanthrene		<0.0741	mg/Kg	0.25
Dibenzo(a,j)acridine		<0.0290	mg/Kg	0.25
Indeno(1,2,3-cd)pyrene		<0.0287	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.0448	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.0276	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.09	mg/Kg	1	2.67	41	10 - 113.2
Phenol-d5		1.14	mg/Kg	1	2.67	43	10 - 124.6
Nitrobenzene-d5		1.11	mg/Kg	1	2.67	42	10 - 116.8
2-Fluorobiphenyl		0.970	mg/Kg	1	2.67	36	10 - 122.4
2,4,6-Tribromophenol		1.12	mg/Kg	1	2.67	42	10 - 133.7
Terphenyl-d14		1.32	mg/Kg	1	2.67	49	10.2 - 141

Laboratory Control Spike (LCS-1) QC Batch: 23710

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
DRO	212	211	mg/Kg	1	250	<12.0	85	1	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	144	145	mg/Kg	1	150	96	97	50 - 150

Laboratory Control Spike (LCS-1) QC Batch: 23726

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	11.8	11.5	mg/Kg	1	12.5	<0.00444	94	3	85 - 113	20
Total Arsenic	43.8	43.5	mg/Kg	1	50.0	<0.228	88	1	85 - 111	20
Total Barium	96.9	94.7	mg/Kg	1	100	<0.0601	97	2	85 - 103	20
Total Cadmium	21.7	21.7	mg/Kg	1	25.0	<0.00794	87	0	85 - 115	20
Total Chromium	9.78	9.68	mg/Kg	1	10.0	<0.0125	98	1	85 - 115	20
Total Lead	43.8	43.8	mg/Kg	1	50.0	<0.367	88	0	85 - 115	20
Total Selenium	45.0	44.8	mg/Kg	1	50.0	<0.0767	90	0	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 23734

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.520	0.525	mg/Kg	1	0.500	<0.00880	104	1	79.5 - 121.1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 23735

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.520	0.525	mg/Kg	1	0.500	<0.00880	104	1	79.5 - 121.1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 23784

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
1,1-Dichloroethene	44.7	44.0	µg/L	1	50.0	<0.0736	89	2	70 - 130	20
Benzene	46.5	46.4	µg/L	1	50.0	<0.0495	93	0	70 - 130	20
Trichloroethene (TCE)	48.0	48.1	µg/L	1	50.0	<0.0495	96	0	70 - 130	20
Toluene	46.7	46.7	µg/L	1	50.0	<0.0736	93	0	70 - 130	20
Chlorobenzene	49.7	49.6	µg/L	1	50.0	<0.0217	99	0	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	48.3	47.6	µg/L	1	50.0	97	95	92 - 112
Toluene-d8	50.6	50.7	µg/L	1	50.0	101	101	94 - 112
4-Bromofluorobenzene (4-BFB)	48.7	48.6	µg/L	1	50.0	97	97	88 - 116

Laboratory Control Spike (LCS-1) QC Batch: 23788

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
1,1-Dichloroethene	459	450	µg/Kg	10	50.0	<11.7	92	2	70 - 130	20
Benzene	480	471	µg/Kg	10	50.0	<23.6	96	2	70 - 130	20
Trichloroethene (TCE)	487	475	µg/Kg	10	50.0	<19.5	97	2	70 - 130	20
Toluene	483	476	µg/Kg	10	50.0	<13.5	97	1	70 - 130	20
Chlorobenzene	505	503	µg/Kg	10	50.0	<12.4	101	0	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	492	492	µg/Kg	10	50.0	98	98	42 - 129
Toluene-d8	512	516	µg/Kg	10	50.0	102	103	93 - 107
4-Bromofluorobenzene (4-BFB)	489	492	µg/Kg	10	50.0	98	98	78 - 120

Laboratory Control Spike (LCS-1) QC Batch: 23789

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Phenol	1.66	1.67	mg/Kg	1	2.67	<0.0602	62	1	10 - 120.2	20
2-Chlorophenol	1.55	1.56	mg/Kg	1	2.67	<0.0923	58	1	10 - 123	20
1,4-Dichlorobenzene (para)	1.43	1.44	mg/Kg	1	2.67	<0.0303	54	1	10 - 130	20
n-Nitrosodi-n-propylamine	1.69	1.67	mg/Kg	1	2.67	<0.0480	63	1	10 - 152	20
1,2,4-Trichlorobenzene	1.50	1.52	mg/Kg	1	2.67	<0.0297	56	1	10 - 134.7	20
4-Chloro-3-methylphenol	1.84	1.85	mg/Kg	1	2.67	<0.0474	69	0	10 - 152.7	20
Acenaphthene	1.69	1.69	mg/Kg	1	2.67	<0.0745	63	0	10 - 158	20
4-Nitrophenol	1.29	1.33	mg/Kg	1	2.67	<0.169	48	3	10 - 162.7	20
2,4-Dinitrotoluene	1.86	1.87	mg/Kg	1	2.67	<0.0609	70	0	10 - 186.3	20
Pentachlorophenol	1.44	1.48	mg/Kg	1	2.67	<0.151	54	3	10 - 150.5	20
Pyrene	2.32	2.34	mg/Kg	1	2.67	<0.151	87	1	10 - 189.2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	1.63	1.59	mg/Kg	1	2.67	61	60	10 - 103.5
Phenol-d5	1.70	1.70	mg/Kg	1	2.67	64	64	10 - 109.8
Nitrobenzene-d5	1.63	1.64	mg/Kg	1	2.67	61	61	10 - 106.5
2-Fluorobiphenyl	1.47	1.49	mg/Kg	1	2.67	55	56	10 - 107.9
2,4,6-Tribromophenol	2.00	2.01	mg/Kg	1	2.67	75	75	14.4 - 134.5
Terphenyl-d14	2.24	2.27	mg/Kg	1	2.67	84	85	16.3 - 140

Matrix Spike (MS-1) QC Batch: 23710 Spiked Sample: 80894

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
DRO	197	208	mg/Kg	1	250	<12.0	79	6	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	149	156	mg/Kg	1	150	99	104	50 - 150

Matrix Spike (MS-1) QC Batch: 23726 Spiked Sample: 80888

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver		12.5	12.6	mg/Kg	1	12.5	<0.00444	100	1	75 - 125	20
Total Arsenic	[1,2]	34.8	29.4	mg/Kg	1	50.0	<0.228	70	17	75 - 125	20
Total Barium	[3]	83.7	70.4	mg/Kg	1	100	8.58	75	17	75 - 125	20
Total Cadmium	[4,5]	16.4	13.9	mg/Kg	1	25.0	<0.00794	66	16	75 - 125	20

continued . . .

[1]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[3]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[4]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[5]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued . . .

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Chromium	[6][7]	7.19	6.20	mg/Kg	1	10.0	<0.0125	72	15	75 - 125	20
Total Lead	[8][9]	34.9	29.1	mg/Kg	1	50.0	<0.367	70	18	75 - 125	20
Total Selenium	[10][11]	33.1	28.4	mg/Kg	1	50.0	<0.0767	66	15	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 23734 Spiked Sample: 80888

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.522	0.525	mg/Kg	1	0.500	<0.00880	104	1	80.1 - 125.3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 23735 Spiked Sample: 80894

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.538	0.521	mg/Kg	1	0.500	<0.00880	108	3	80.1 - 125.3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 23788 Spiked Sample: 80891

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
1,1-Dichloroethene	453	447	μg/Kg	10	50.0	<11.7	91	1	70 - 130	20
Benzene	470	468	μg/Kg	10	50.0	<23.6	94	0	70 - 130	20
Trichloroethene (TCE)	485	485	μg/Kg	10	50.0	<19.5	97	0	70 - 130	20
Toluene	473	470	μg/Kg	10	50.0	<13.5	95	1	70 - 130	20
Chlorobenzene	506	500	μg/Kg	10	50.0	<12.4	101	1	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	481	479	μg/Kg	10	50	96	96	87 - 110
Toluene-d8	508	506	μg/Kg	10	50	102	101	94 - 110
4-Bromofluorobenzene (4-BFB)	489	486	μg/Kg	10	50	98	97	88 - 112

Matrix Spike (MS-1) QC Batch: 23789 Spiked Sample: 80894

[6]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[7]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[8]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[9]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[10]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[11]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Phenol	0.673	0.844	mg/Kg	1	2.67	<0.0602	25	22	10 - 109.5	20
2-Chlorophenol	0.621	0.776	mg/Kg	1	2.67	<0.0923	23	22	10 - 109.9	20
1,4-Dichlorobenzene (para)	0.579	0.713	mg/Kg	1	2.67	<0.0303	22	21	10 - 114.6	20
n-Nitrosodi-n-propylamine	0.629	0.773	mg/Kg	1	2.67	<0.0480	24	20	10 - 148.4	20
1,2,4-Trichlorobenzene	0.592	0.724	mg/Kg	1	2.67	<0.0297	22	20	10 - 121.4	20
4-Chloro-3-methylphenol	0.807	0.899	mg/Kg	1	2.67	<0.0474	30	11	10 - 131	20
Acenaphthene	0.712	0.830	mg/Kg	1	2.67	<0.0745	27	15	10 - 139.4	20
4-Nitrophenol	0.703	0.639	mg/Kg	1	2.67	<0.169	26	10	10 - 136	20
2,4-Dinitrotoluene	0.980	0.967	mg/Kg	1	2.67	<0.0609	37	1	10 - 148.3	20
Pentachlorophenol	0.750	0.730	mg/Kg	1	2.67	<0.151	28	3	10 - 133.3	20
Pyrene	1.26	1.24	mg/Kg	1	2.67	<0.151	47	2	10 - 155.7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	0.580	0.740	mg/Kg	1	2.67	22	28	10 - 100.5
Phenol-d5	0.620	0.790	mg/Kg	1	2.67	23	30	10 - 110.8
Nitrobenzene-d5	0.600	0.740	mg/Kg	1	2.67	22	28	10 - 102.3
2-Fluorobiphenyl	0.550	0.650	mg/Kg	1	2.67	20	24	10 - 106.5
2,4,6-Tribromophenol	1.01	0.980	mg/Kg	1	2.67	38	37	10 - 131.4
Terphenyl-d14	1.13	1.05	mg/Kg	1	2.67	42	39	10 - 129.8

Standard (ICV-1) QC Batch: 23710

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	206	82	75 - 125	2005-12-28

Standard (CCV-1) QC Batch: 23710

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	208	83	75 - 125	2005-12-28

Standard (CCV-2) QC Batch: 23710

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	237	95	75 - 125	2005-12-28

Standard (ICV-1) QC Batch: 23726

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.124	99	90 - 110	2005-12-30
Total Arsenic		mg/Kg	1.00	0.974	97	95 - 105	2005-12-30
Total Barium		mg/Kg	1.00	1.02	102	95 - 105	2005-12-30
Total Cadmium		mg/Kg	1.00	0.970	97	95 - 105	2005-12-30
Total Chromium		mg/Kg	1.00	0.960	96	90 - 110	2005-12-30
Total Lead		mg/Kg	1.00	0.987	99	90 - 110	2005-12-30
Total Selenium		mg/Kg	1.00	0.979	98	90 - 110	2005-12-30

Standard (CCV-1) QC Batch: 23726

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.125	100	90 - 110	2005-12-30
Total Arsenic		mg/Kg	1.00	0.958	96	90 - 110	2005-12-30
Total Barium		mg/Kg	1.00	0.960	96	90 - 110	2005-12-30
Total Cadmium		mg/Kg	1.00	0.943	94	90 - 110	2005-12-30
Total Chromium		mg/Kg	1.00	0.935	94	90 - 110	2005-12-30
Total Lead		mg/Kg	1.00	0.956	96	90 - 110	2005-12-30
Total Selenium		mg/Kg	1.00	0.952	95	90 - 110	2005-12-30

Standard (ICV-1) QC Batch: 23734

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00524	105	90 - 110	2005-12-30

Standard (CCV-1) QC Batch: 23734

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00527	105	80 - 120	2005-12-30

Standard (ICV-1) QC Batch: 23735

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00524	105	90 - 110	2005-12-30

Standard (CCV-1) QC Batch: 23735

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00522	104	80 - 120	2005-12-30

Standard (CCV-1) QC Batch: 23784

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	45.4	91	80 - 120	2006-01-03
1,1-Dichloroethene		µg/L	50.0	45.3	91	80 - 120	2006-01-03
Chloroform		µg/L	50.0	46.2	92	80 - 120	2006-01-03
1,2-Dichloropropane		µg/L	50.0	48.2	96	80 - 120	2006-01-03
Toluene		µg/L	50.0	46.3	93	80 - 120	2006-01-03
Chlorobenzene		µg/L	50.0	49.1	98	80 - 120	2006-01-03
Ethylbenzene		µg/L	50.0	47.3	95	80 - 120	2006-01-03

Standard (CCV-1) QC Batch: 23788

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/Kg	50.0	48.7	97	80 - 120	2006-01-03
1,1-Dichloroethene		µg/Kg	50.0	45.0	90	80 - 120	2006-01-03
Chloroform		µg/Kg	50.0	47.7	95	80 - 120	2006-01-03
1,2-Dichloropropane		µg/Kg	50.0	49.3	99	80 - 120	2006-01-03
Toluene		µg/Kg	50.0	47.8	96	80 - 120	2006-01-03
Chlorobenzene		µg/Kg	50.0	49.7	99	80 - 120	2006-01-03
Ethylbenzene		µg/Kg	50.0	48.0	96	80 - 120	2006-01-03

Standard (CCV-1) QC Batch: 23789

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60.0	67.1	112	80 - 120	2006-01-02
1,4-Dichlorobenzene (para)		mg/Kg	60.0	62.5	104	80 - 120	2006-01-02
2-Nitrophenol		mg/Kg	60.0	65.1	108	80 - 120	2006-01-02
2,4-Dichlorophenol		mg/Kg	60.0	71.3	119	80 - 120	2006-01-02
Hexachlorobutadiene		mg/Kg	60.0	68.2	114	80 - 120	2006-01-02
4-Chloro-3-methylphenol		mg/Kg	60.0	69.5	116	80 - 120	2006-01-02
2,4,6-Trichlorophenol		mg/Kg	60.0	64.0	107	80 - 120	2006-01-02
Acenaphthene		mg/Kg	60.0	61.8	103	80 - 120	2006-01-02
Diphenylamine		mg/Kg	60.0	63.4	106	80 - 120	2006-01-02
Pentachlorophenol		mg/Kg	60.0	66.1	110	80 - 120	2006-01-02
Fluoranthene		mg/Kg	60.0	59.6	99	80 - 120	2006-01-02
Di-n-octylphthalate		mg/Kg	60.0	62.6	104	80 - 120	2006-01-02
Benzo(a)pyrene		mg/Kg	60.0	63.8	106	80 - 120	2006-01-02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		68.3	mg/Kg	1	60.0	114	80 - 120
Phenol-d5		66.2	mg/Kg	1	60.0	110	80 - 120
Nitrobenzene-d5		64.3	mg/Kg	1	60.0	107	80 - 120
2-Fluorobiphenyl		59.2	mg/Kg	1	60.0	99	80 - 120
2,4,6-Tribromophenol		71.7	mg/Kg	1	60.0	120	80 - 120
Terphenyl-d14		65.0	mg/Kg	1	60.0	108	80 - 120

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM 88002

Report Date: January 4, 2006

Work Order: 5122014

Project Name: POL 16 AST
Project Number: 20

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
80426	SE50-0208-CS-001	soil	2005-12-16	14:00	2005-12-20
80427	SE50-0208-CS-101	soil	2005-12-16	14:00	2005-12-20
80428	SE50-0208-CS-002	soil	2005-12-16	14:30	2005-12-20
80429	SE50-0208-CS-003	soil	2005-12-16	14:40	2005-12-20
80430	SE50-0208-CS-004	soil	2005-12-16	14:50	2005-12-20
80431	SE50-0208-CS-005	soil	2005-12-16	15:00	2005-12-20
80512	Trip Blank	water	2005-12-16	00:00	2005-12-20

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 44 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 80426 - SE50-0208-CS-001

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	23692	Date Analyzed:	2005-12-21	Analyzed By:	AG
Prep Batch:	20698	Sample Preparation:	2005-12-20	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250

continued . . .

sample 80426 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		**0.703**	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.72	mg/Kg	1	2.67	64	8.6 - 115
Phenol-d5		2.00	mg/Kg	1	2.67	75	6.3 - 124
Nitrobenzene-d5		2.14	mg/Kg	1	2.67	80	11.3 - 116
2-Fluorobiphenyl		2.40	mg/Kg	1	2.67	90	14.6 - 122
2,4,6-Tribromophenol		2.49	mg/Kg	1	2.67	93	13.8 - 123
Terphenyl-d14	[1]	5.70	mg/Kg	1	2.67	213	30.8 - 134

Sample: 80426 - SE50-0208-CS-001

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	23583	Date Analyzed:	2005-12-22	Analyzed By:	RR
Prep Batch:	20662	Sample Preparation:	2005-12-21	Prepared By:	DS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	23600	Date Analyzed:	2005-12-22	Analyzed By:	TP
Prep Batch:	20718	Sample Preparation:	2005-12-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**109**	mg/Kg	1	1.00
Total Cadmium		**1.46**	mg/Kg	1	0.100
Total Chromium		**6.19**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**6.60**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 80426 - SE50-0208-CS-001

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	23529	Date Analyzed:	2005-12-21	Analyzed By:	JL
Prep Batch:	20650	Sample Preparation:	2005-12-20	Prepared By:	JL

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		151	mg/Kg	1	150	101	50 - 150

Sample: 80426 - SE50-0208-CS-001

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	23682	Date Analyzed:	2005-12-27	Analyzed By:	JG
Prep Batch:	20789	Sample Preparation:	2005-12-27	Prepared By:	JG

[1]8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	μg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	μg/Kg	10	1.00
Vinyl Chloride		<10.0	μg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	μg/Kg	10	5.00
Chloroethane		<10.0	μg/Kg	10	1.00
Trichlorofluoromethane		<10.0	μg/Kg	10	1.00
Acetone		<100	μg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	μg/Kg	10	5.00
Carbon Disulfide		<10.0	μg/Kg	10	1.00
Acrylonitrile		<10.0	μg/Kg	10	1.00
2-Butanone (MEK)		<50.0	μg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	μg/Kg	10	5.00
2-Hexanone		<50.0	μg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	μg/Kg	10	10.0
1,1-Dichloroethene		<10.0	μg/Kg	10	1.00
Methylene chloride		<50.0	μg/Kg	10	5.00
MTBE		<10.0	μg/Kg	10	1.00
trans-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
1,1-Dichloroethane		<10.0	μg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
2,2-Dichloropropane		<10.0	μg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	10	1.00
Chloroform		<10.0	μg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	μg/Kg	10	1.00
1,1-Dichloropropene		<10.0	μg/Kg	10	1.00
Benzene		<10.0	μg/Kg	10	1.00
Carbon Tetrachloride		<10.0	μg/Kg	10	1.00
1,2-Dichloropropane		<10.0	μg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	μg/Kg	10	1.00
Dibromomethane (methylene bromide)		<10.0	μg/Kg	10	1.00
Bromodichloromethane		<10.0	μg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	μg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
Toluene		<10.0	μg/Kg	10	1.00
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00

continued . . .

sample 80426 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropylbenzene		<10.0	μg/Kg	10	1.00
Bromobenzene		<10.0	μg/Kg	10	1.00
n-Propylbenzene		<10.0	μg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	μg/Kg	10	1.00
tert-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	μg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	10	1.00
sec-Butylbenzene		<10.0	μg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	10	1.00
p-Isopropyltoluene		<10.0	μg/Kg	10	1.00
4-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	10	1.00
n-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	μg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	μg/Kg	10	5.00
Naphthalene		<50.0	μg/Kg	10	5.00
Hexachlorobutadiene		<50.0	μg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		473	μg/Kg	10	50.0	95	42 - 129
Toluene-d8		510	μg/Kg	10	50.0	102	93 - 107
4-Bromofluorobenzene (4-BFB)		494	μg/Kg	10	50.0	99	78 - 120

Sample: 80427 - SE50-0208-CS-101

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	23692	Date Analyzed:	2005-12-21	Analyzed By:	AG
Prep Batch:	20698	Sample Preparation:	2005-12-20	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250

continued . . .

sample 80427 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250

continued . . .

sample 80427 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		2.46	mg/Kg	1	2.67	92	8.6 - 115
Phenol-d5		2.68	mg/Kg	1	2.67	100	6.3 - 124
Nitrobenzene-d5		2.62	mg/Kg	1	2.67	98	11.3 - 116
2-Fluorobiphenyl		2.97	mg/Kg	1	2.67	111	14.6 - 122
2,4,6-Tribromophenol		2.92	mg/Kg	1	2.67	109	13.8 - 123
Terphenyl-d14	[2]	5.62	mg/Kg	1	2.67	210	30.8 - 134

Sample: 80427 - SE50-0208-CS-101

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	23583	Date Analyzed:	2005-12-22	Analyzed By:	RR
Prep Batch:	20662	Sample Preparation:	2005-12-21	Prepared By:	DS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	23600	Date Analyzed:	2005-12-22	Analyzed By:	TP
Prep Batch:	20718	Sample Preparation:	2005-12-22	Prepared By:	TP

[2]8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**78.2**	mg/Kg	1	1.00
Total Cadmium		**1.29**	mg/Kg	1	0.100
Total Chromium		**5.40**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**3.97**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 80427 - SE50-0208-CS-101

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	23529	Date Analyzed:	2005-12-21	Analyzed By:	JL
Prep Batch:	20650	Sample Preparation:	2005-12-20	Prepared By:	JL

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		144	mg/Kg	1	150	96	50 - 150

Sample: 80427 - SE50-0208-CS-101

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	23682	Date Analyzed:	2005-12-27	Analyzed By:	JG
Prep Batch:	20789	Sample Preparation:	2005-12-27	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	µg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	µg/Kg	10	1.00
Vinyl Chloride		<10.0	µg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	µg/Kg	10	5.00
Chloroethane		<10.0	µg/Kg	10	1.00
Trichlorofluoromethane		<10.0	µg/Kg	10	1.00
Acetone		<100	µg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	µg/Kg	10	5.00
Carbon Disulfide		<10.0	µg/Kg	10	1.00
Acrylonitrile		<10.0	µg/Kg	10	1.00
2-Butanone (MEK)		<50.0	µg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	10	5.00
2-Hexanone		<50.0	µg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	µg/Kg	10	10.0
1,1-Dichloroethene		<10.0	µg/Kg	10	1.00
Methylene chloride		<50.0	µg/Kg	10	5.00
MTBE		<10.0	µg/Kg	10	1.00

continued . . .

sample 80427 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
trans-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
1,1-Dichloroethane		<10.0	μg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
2,2-Dichloropropane		<10.0	μg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	10	1.00
Chloroform		<10.0	μg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	μg/Kg	10	1.00
1,1-Dichloropropene		<10.0	μg/Kg	10	1.00
Benzene		<10.0	μg/Kg	10	1.00
Carbon Tetrachloride		<10.0	μg/Kg	10	1.00
1,2-Dichloropropane		<10.0	μg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	μg/Kg	10	1.00
Dibromomethane (methylene bromide)		<10.0	μg/Kg	10	1.00
Bromodichloromethane		<10.0	μg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	μg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
Toluene		<10.0	μg/Kg	10	1.00
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00
Isopropylbenzene		<10.0	μg/Kg	10	1.00
Bromobenzene		<10.0	μg/Kg	10	1.00
n-Propylbenzene		<10.0	μg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	μg/Kg	10	1.00
tert-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	μg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	10	1.00
sec-Butylbenzene		<10.0	μg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	10	1.00
p-Isopropyltoluene		<10.0	μg/Kg	10	1.00
4-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	10	1.00
n-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	μg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	μg/Kg	10	5.00

continued . . .

sample 80427 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<50.0	μg/Kg	10	5.00
Hexachlorobutadiene		<50.0	μg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		475	μg/Kg	10	50.0	95	42 - 129
Toluene-d8		512	μg/Kg	10	50.0	102	93 - 107
4-Bromofluorobenzene (4-BFB)		499	μg/Kg	10	50.0	100	78 - 120

Sample: 80428 - SE50-0208-CS-002

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	23692	Date Analyzed:	2005-12-21	Analyzed By:	AG
Prep Batch:	20698	Sample Preparation:	2005-12-20	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250

continued . . .

sample 80428 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250

continued . . .

sample 80428 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		2.29	mg/Kg	1	2.67	86	8.6 - 115
Phenol-d5		2.15	mg/Kg	1	2.67	80	6.3 - 124
Nitrobenzene-d5		2.66	mg/Kg	1	2.67	100	11.3 - 116
2-Fluorobiphenyl		2.69	mg/Kg	1	2.67	101	14.6 - 122
2,4,6-Tribromophenol		2.54	mg/Kg	1	2.67	95	13.8 - 123
Terphenyl-d14	[3]	5.37	mg/Kg	1	2.67	201	30.8 - 134

Sample: 80428 - SE50-0208-CS-002

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	23583	Date Analyzed:	2005-12-22	Analyzed By:	RR
Prep Batch:	20662	Sample Preparation:	2005-12-21	Prepared By:	DS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	23600	Date Analyzed:	2005-12-22	Analyzed By:	TP
Prep Batch:	20718	Sample Preparation:	2005-12-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**77.0**	mg/Kg	1	1.00
Total Cadmium		**1.89**	mg/Kg	1	0.100
Total Chromium		**9.15**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**3.97**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 80428 - SE50-0208-CS-002

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	23529	Date Analyzed:	2005-12-21	Analyzed By:	JL
Prep Batch:	20650	Sample Preparation:	2005-12-20	Prepared By:	JL

[3]8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		137	mg/Kg	1	150	91	50 - 150

Sample: 80428 - SE50-0208-CS-002

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	23682	Date Analyzed:	2005-12-27	Analyzed By:	JG
Prep Batch:	20789	Sample Preparation:	2005-12-27	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	µg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	µg/Kg	10	1.00
Vinyl Chloride		<10.0	µg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	µg/Kg	10	5.00
Chloroethane		<10.0	µg/Kg	10	1.00
Trichlorofluoromethane		<10.0	µg/Kg	10	1.00
Acetone		<100	µg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	µg/Kg	10	5.00
Carbon Disulfide		<10.0	µg/Kg	10	1.00
Acrylonitrile		<10.0	µg/Kg	10	1.00
2-Butanone (MEK)		<50.0	µg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	10	5.00
2-Hexanone		<50.0	µg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	µg/Kg	10	10.0
1,1-Dichloroethene		<10.0	µg/Kg	10	1.00
Methylene chloride		<50.0	µg/Kg	10	5.00
MTBE		<10.0	µg/Kg	10	1.00
trans-1,2-Dichloroethene		<10.0	µg/Kg	10	1.00
1,1-Dichloroethane		<10.0	µg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	µg/Kg	10	1.00
2,2-Dichloropropane		<10.0	µg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	10	1.00
Chloroform		<10.0	µg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	µg/Kg	10	1.00
1,1-Dichloropropene		<10.0	µg/Kg	10	1.00
Benzene		<10.0	µg/Kg	10	1.00
Carbon Tetrachloride		<10.0	µg/Kg	10	1.00
1,2-Dichloropropane		<10.0	µg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	µg/Kg	10	1.00
Dibromomethane (methylene bromide)		<10.0	µg/Kg	10	1.00
Bromodichloromethane		<10.0	µg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	µg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	µg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	µg/Kg	10	1.00
Toluene		<10.0	µg/Kg	10	1.00

continued . . .

sample 80428 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00
Isopropylbenzene		<10.0	μg/Kg	10	1.00
Bromobenzene		<10.0	μg/Kg	10	1.00
n-Propylbenzene		<10.0	μg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	μg/Kg	10	1.00
tert-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	μg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	10	1.00
sec-Butylbenzene		<10.0	μg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	10	1.00
p-Isopropyltoluene		<10.0	μg/Kg	10	1.00
4-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	10	1.00
n-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	μg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	μg/Kg	10	5.00
Naphthalene		<50.0	μg/Kg	10	5.00
Hexachlorobutadiene		<50.0	μg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		481	μg/Kg	10	50.0	96	42 - 129
Toluene-d8		513	μg/Kg	10	50.0	103	93 - 107
4-Bromofluorobenzene (4-BFB)		502	μg/Kg	10	50.0	100	78 - 120

Sample: 80429 - SE50-0208-CS-003

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	23692	Date Analyzed:	2005-12-21	Analyzed By:	AG
Prep Batch:	20698	Sample Preparation:	2005-12-20	Prepared By:	AG

continued . . .

sample 80429 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250

continued . . .

sample 80429 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.51	mg/Kg	1	2.67	56	8.6 - 115
Phenol-d5		1.85	mg/Kg	1	2.67	69	6.3 - 124
Nitrobenzene-d5		2.14	mg/Kg	1	2.67	80	11.3 - 116
2-Fluorobiphenyl		2.72	mg/Kg	1	2.67	102	14.6 - 122
2,4,6-Tribromophenol		2.27	mg/Kg	1	2.67	85	13.8 - 123
Terphenyl-d14	[4]	4.57	mg/Kg	1	2.67	171	30.8 - 134

Sample: 80429 - SE50-0208-CS-003

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	23583	Date Analyzed:	2005-12-22	Analyzed By:	RR
Prep Batch:	20662	Sample Preparation:	2005-12-21	Prepared By:	DS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	23600	Date Analyzed:	2005-12-22	Analyzed By:	TP
Prep Batch:	20718	Sample Preparation:	2005-12-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**21.4**	mg/Kg	1	1.00
Total Cadmium		**0.327**	mg/Kg	1	0.100
Total Chromium		**1.27**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**1.16**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 80429 - SE50-0208-CS-003

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	23529	Date Analyzed:	2005-12-21	Analyzed By:	JL
Prep Batch:	20650	Sample Preparation:	2005-12-20	Prepared By:	JL

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**51.4**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		150	mg/Kg	1	150	100	50 - 150

Sample: 80429 - SE50-0208-CS-003

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	23682	Date Analyzed:	2005-12-27	Analyzed By:	JG
Prep Batch:	20789	Sample Preparation:	2005-12-27	Prepared By:	JG

[4]8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	μg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	μg/Kg	10	1.00
Vinyl Chloride		<10.0	μg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	μg/Kg	10	5.00
Chloroethane		<10.0	μg/Kg	10	1.00
Trichlorofluoromethane		<10.0	μg/Kg	10	1.00
Acetone		<100	μg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	μg/Kg	10	5.00
Carbon Disulfide		<10.0	μg/Kg	10	1.00
Acrylonitrile		<10.0	μg/Kg	10	1.00
2-Butanone (MEK)		<50.0	μg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	μg/Kg	10	5.00
2-Hexanone		<50.0	μg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	μg/Kg	10	10.0
1,1-Dichloroethene		<10.0	μg/Kg	10	1.00
Methylene chloride		<50.0	μg/Kg	10	5.00
MTBE		<10.0	μg/Kg	10	1.00
trans-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
1,1-Dichloroethane		<10.0	μg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
2,2-Dichloropropane		<10.0	μg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	10	1.00
Chloroform		<10.0	μg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	μg/Kg	10	1.00
1,1-Dichloropropene		<10.0	μg/Kg	10	1.00
Benzene		<10.0	μg/Kg	10	1.00
Carbon Tetrachloride		<10.0	μg/Kg	10	1.00
1,2-Dichloropropane		<10.0	μg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	μg/Kg	10	1.00
Dibromomethane (methylene bromide)		<10.0	μg/Kg	10	1.00
Bromodichloromethane		<10.0	μg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	μg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
Toluene		<10.0	μg/Kg	10	1.00
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00

continued . . .

sample 80429 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropylbenzene		<10.0	μg/Kg	10	1.00
Bromobenzene		<10.0	μg/Kg	10	1.00
n-Propylbenzene		<10.0	μg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	μg/Kg	10	1.00
tert-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	μg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	10	1.00
sec-Butylbenzene		<10.0	μg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	10	1.00
p-Isopropyltoluene		<10.0	μg/Kg	10	1.00
4-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	10	1.00
n-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	μg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	μg/Kg	10	5.00
Naphthalene		<50.0	μg/Kg	10	5.00
Hexachlorobutadiene		<50.0	μg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		474	μg/Kg	10	50.0	95	42 - 129
Toluene-d8		510	μg/Kg	10	50.0	102	93 - 107
4-Bromofluorobenzene (4-BFB)		499	μg/Kg	10	50.0	100	78 - 120

Sample: 80430 - SE50-0208-CS-004

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	23692	Date Analyzed:	2005-12-21	Analyzed By:	AG
Prep Batch:	20698	Sample Preparation:	2005-12-20	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250

continued . . .

sample 80430 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250

continued . . .

sample 80430 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.82	mg/Kg	1	2.67	68	8.6 - 115
Phenol-d5		1.46	mg/Kg	1	2.67	55	6.3 - 124
Nitrobenzene-d5		1.96	mg/Kg	1	2.67	73	11.3 - 116
2-Fluorobiphenyl		2.20	mg/Kg	1	2.67	82	14.6 - 122
2,4,6-Tribromophenol		2.13	mg/Kg	1	2.67	80	13.8 - 123
Terphenyl-d14	[5]	4.78	mg/Kg	1	2.67	179	30.8 - 134

Sample: 80430 - SE50-0208-CS-004

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	23583	Date Analyzed:	2005-12-22	Analyzed By:	RR
Prep Batch:	20662	Sample Preparation:	2005-12-21	Prepared By:	DS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	23600	Date Analyzed:	2005-12-22	Analyzed By:	TP
Prep Batch:	20718	Sample Preparation:	2005-12-22	Prepared By:	TP

[5]8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**50.2**	mg/Kg	1	1.00
Total Cadmium		**0.637**	mg/Kg	1	0.100
Total Chromium		**3.01**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**2.97**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 80430 - SE50-0208-CS-004

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	23529	Date Analyzed:	2005-12-21	Analyzed By:	JL
Prep Batch:	20650	Sample Preparation:	2005-12-20	Prepared By:	JL

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		106	mg/Kg	1	150	70	50 - 150

Sample: 80430 - SE50-0208-CS-004

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	23682	Date Analyzed:	2005-12-27	Analyzed By:	JG
Prep Batch:	20789	Sample Preparation:	2005-12-27	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	µg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	µg/Kg	10	1.00
Vinyl Chloride		<10.0	µg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	µg/Kg	10	5.00
Chloroethane		<10.0	µg/Kg	10	1.00
Trichlorofluoromethane		<10.0	µg/Kg	10	1.00
Acetone		<100	µg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	µg/Kg	10	5.00
Carbon Disulfide		<10.0	µg/Kg	10	1.00
Acrylonitrile		<10.0	µg/Kg	10	1.00
2-Butanone (MEK)		<50.0	µg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	10	5.00
2-Hexanone		<50.0	µg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	µg/Kg	10	10.0
1,1-Dichloroethene		<10.0	µg/Kg	10	1.00
Methylene chloride		<50.0	µg/Kg	10	5.00
MTBE		<10.0	µg/Kg	10	1.00

continued . . .

sample 80430 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
trans-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
1,1-Dichloroethane		<10.0	μg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
2,2-Dichloropropane		<10.0	μg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	10	1.00
Chloroform		<10.0	μg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	μg/Kg	10	1.00
1,1-Dichloropropene		<10.0	μg/Kg	10	1.00
Benzene		<10.0	μg/Kg	10	1.00
Carbon Tetrachloride		<10.0	μg/Kg	10	1.00
1,2-Dichloropropane		<10.0	μg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	μg/Kg	10	1.00
Dibromomethane (methylene bromide)		<10.0	μg/Kg	10	1.00
Bromodichloromethane		<10.0	μg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	μg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
Toluene		<10.0	μg/Kg	10	1.00
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00
Isopropylbenzene		<10.0	μg/Kg	10	1.00
Bromobenzene		<10.0	μg/Kg	10	1.00
n-Propylbenzene		<10.0	μg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	μg/Kg	10	1.00
tert-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	μg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	10	1.00
sec-Butylbenzene		<10.0	μg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	10	1.00
p-Isopropyltoluene		<10.0	μg/Kg	10	1.00
4-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	10	1.00
n-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	μg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	μg/Kg	10	5.00

continued . . .

sample 80430 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<50.0	μg/Kg	10	5.00
Hexachlorobutadiene		<50.0	μg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		476	μg/Kg	10	50.0	95	42 - 129
Toluene-d8		512	μg/Kg	10	50.0	102	93 - 107
4-Bromofluorobenzene (4-BFB)		502	μg/Kg	10	50.0	100	78 - 120

Sample: 80431 - SE50-0208-CS-005

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	23692	Date Analyzed:	2005-12-21	Analyzed By:	AG
Prep Batch:	20698	Sample Preparation:	2005-12-20	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250

continued . . .

sample 80431 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250

continued . . .

sample 80431 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		2.30	mg/Kg	1	2.67	86	8.6 - 115
Phenol-d5		2.56	mg/Kg	1	2.67	96	6.3 - 124
Nitrobenzene-d5		2.85	mg/Kg	1	2.67	107	11.3 - 116
2-Fluorobiphenyl		2.69	mg/Kg	1	2.67	101	14.6 - 122
2,4,6-Tribromophenol		2.54	mg/Kg	1	2.67	95	13.8 - 123
Terphenyl-d14	[6]	5.78	mg/Kg	1	2.67	216	30.8 - 134

Sample: 80431 - SE50-0208-CS-005

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	23583	Date Analyzed:	2005-12-22	Analyzed By:	RR
Prep Batch:	20662	Sample Preparation:	2005-12-21	Prepared By:	DS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	23600	Date Analyzed:	2005-12-22	Analyzed By:	TP
Prep Batch:	20718	Sample Preparation:	2005-12-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0500	mg/Kg	1	0.0500
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**57.9**	mg/Kg	1	1.00
Total Cadmium		**0.910**	mg/Kg	1	0.100
Total Chromium		**4.48**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**2.94**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 80431 - SE50-0208-CS-005

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	23529	Date Analyzed:	2005-12-21	Analyzed By:	JL
Prep Batch:	20650	Sample Preparation:	2005-12-20	Prepared By:	JL

[6]8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**64.0**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		134	mg/Kg	1	150	89	50 - 150

Sample: 80431 - SE50-0208-CS-005

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	23682	Date Analyzed:	2005-12-27	Analyzed By:	JG
Prep Batch:	20789	Sample Preparation:	2005-12-27	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	µg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	µg/Kg	10	1.00
Vinyl Chloride		<10.0	µg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	µg/Kg	10	5.00
Chloroethane		<10.0	µg/Kg	10	1.00
Trichlorofluoromethane		<10.0	µg/Kg	10	1.00
Acetone		<100	µg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	µg/Kg	10	5.00
Carbon Disulfide		<10.0	µg/Kg	10	1.00
Acrylonitrile		<10.0	µg/Kg	10	1.00
2-Butanone (MEK)		<50.0	µg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	10	5.00
2-Hexanone		<50.0	µg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	µg/Kg	10	10.0
1,1-Dichloroethene		<10.0	µg/Kg	10	1.00
Methylene chloride		<50.0	µg/Kg	10	5.00
MTBE		<10.0	µg/Kg	10	1.00
trans-1,2-Dichloroethene		<10.0	µg/Kg	10	1.00
1,1-Dichloroethane		<10.0	µg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	µg/Kg	10	1.00
2,2-Dichloropropane		<10.0	µg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	10	1.00
Chloroform		<10.0	µg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	µg/Kg	10	1.00
1,1-Dichloropropene		<10.0	µg/Kg	10	1.00
Benzene		<10.0	µg/Kg	10	1.00
Carbon Tetrachloride		<10.0	µg/Kg	10	1.00
1,2-Dichloropropane		<10.0	µg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	µg/Kg	10	1.00
Dibromomethane (methylene bromide)		<10.0	µg/Kg	10	1.00
Bromodichloromethane		<10.0	µg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	µg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	µg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	µg/Kg	10	1.00
Toluene		<10.0	µg/Kg	10	1.00

continued . . .

sample 80431 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00
Isopropylbenzene		<10.0	μg/Kg	10	1.00
Bromobenzene		<10.0	μg/Kg	10	1.00
n-Propylbenzene		<10.0	μg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	μg/Kg	10	1.00
tert-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	μg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	10	1.00
sec-Butylbenzene		<10.0	μg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	10	1.00
p-Isopropyltoluene		<10.0	μg/Kg	10	1.00
4-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	10	1.00
n-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	μg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	μg/Kg	10	5.00
Naphthalene		<50.0	μg/Kg	10	5.00
Hexachlorobutadiene		<50.0	μg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		475	μg/Kg	10	50.0	95	42 - 129
Toluene-d8		510	μg/Kg	10	50.0	102	93 - 107
4-Bromofluorobenzene (4-BFB)		498	μg/Kg	10	50.0	100	78 - 120

Sample: 80512 - Trip Blank

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	23647	Date Analyzed:	2005-12-22	Analyzed By:	JG
Prep Batch:	20758	Sample Preparation:	2005-12-22	Prepared By:	JG

continued . . .

sample 80512 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<1.00	µg/L	1	1.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		**22.0**	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<1.00	µg/L	1	1.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		**1.80**	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00

continued . . .

sample 80512 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00
1,2-Dibromo-3-chloropropane		<2.00	μg/L	1	2.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.0	μg/L	1	50.0	96	70 - 130
Toluene-d8		51.6	μg/L	1	50.0	103	70 - 130
4-Bromofluorobenzene (4-BFB)		47.4	μg/L	1	50.0	95	70 - 130

Method Blank (2) QC Batch: 23529

Parameter	Flag	MDL Result	Units	RL
DRO		<12.0	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		141	mg/Kg	1	150	94	50 - 150

Method Blank (1) QC Batch: 23583

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00444	mg/Kg	0.05
Total Arsenic		<0.228	mg/Kg	2

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.0601	mg/Kg	1
Total Cadmium		<0.00794	mg/Kg	0.1
Total Chromium		<0.0125	mg/Kg	0.5
Total Lead		<0.367	mg/Kg	1
Total Selenium		<0.0767	mg/Kg	1

Method Blank (1) QC Batch: 23600

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00880	mg/Kg	0.04

Method Blank (1) QC Batch: 23647

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		2.35	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.421	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		1.20	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		0.0800	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1
1,2-Dichloropropane		<0.0933	µg/L	1
Trichloroethene (TCE)		<0.0495	µg/L	1
Dibromomethane (methylene bromide)		<0.0640	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Bromodichloromethane		<0.0651	μg/L	1
2-Chloroethyl vinyl ether		<0.0905	μg/L	5
cis-1,3-Dichloropropene		<0.0640	μg/L	1
trans-1,3-Dichloropropene		<0.0504	μg/L	1
Toluene		0.200	μg/L	1
1,1,2-Trichloroethane		<0.106	μg/L	1
1,3-Dichloropropane		<0.0625	μg/L	1
Dibromochloromethane		<0.0791	μg/L	1
1,2-Dibromoethane (EDB)		<0.0460	μg/L	1
Tetrachloroethene (PCE)		0.0800	μg/L	1
Chlorobenzene		0.0300	μg/L	1
1,1,1,2-Tetrachloroethane		<0.125	μg/L	1
Ethylbenzene		0.0700	μg/L	1
m,p-Xylene		0.200	μg/L	1
Bromoform		<0.0859	μg/L	1
Styrene		<0.0394	μg/L	1
o-Xylene		<0.0504	μg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	μg/L	1
2-Chlorotoluene		0.0600	μg/L	1
1,2,3-Trichloropropane		<0.0679	μg/L	1
Isopropylbenzene		0.0600	μg/L	1
Bromobenzene		<0.103	μg/L	1
n-Propylbenzene		0.100	μg/L	1
1,3,5-Trimethylbenzene		0.0900	μg/L	1
tert-Butylbenzene		0.120	μg/L	1
1,2,4-Trimethylbenzene		0.100	μg/L	1
1,4-Dichlorobenzene (para)		<0.0672	μg/L	1
sec-Butylbenzene		0.150	μg/L	1
1,3-Dichlorobenzene (meta)		0.100	μg/L	1
p-Isopropyltoluene		0.140	μg/L	1
4-Chlorotoluene		0.0500	μg/L	1
1,2-Dichlorobenzene (ortho)		0.0700	μg/L	1
n-Butylbenzene		0.210	μg/L	1
1,2-Dibromo-3-chloropropane		<0.538	μg/L	2
1,2,3-Trichlorobenzene		<0.504	μg/L	5
1,2,4-Trichlorobenzene		0.260	μg/L	5
Naphthalene		<0.417	μg/L	5
Hexachlorobutadiene		0.630	μg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		48.8	μg/L	1	50.0	98	70 - 130
Toluene-d8		51.7	μg/L	1	50.0	103	70 - 130
4-Bromofluorobenzene (4-BFB)		47.4	μg/L	1	50.0	95	70 - 130

Method Blank (1) QC Batch: 23682

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<2.41	μg/Kg	1
Dichlorodifluoromethane		<0.789	μg/Kg	1
Chloromethane (methyl chloride)		<2.29	μg/Kg	1
Vinyl Chloride		<1.42	μg/Kg	1
Bromomethane (methyl bromide)		<7.00	μg/Kg	5
Chloroethane		<1.73	μg/Kg	1
Trichlorofluoromethane		<1.20	μg/Kg	1
Acetone		<17.0	μg/Kg	10
Iodomethane (methyl iodide)		<4.88	μg/Kg	5
Carbon Disulfide		<0.947	μg/Kg	1
Acrylonitrile		<4.94	μg/Kg	1
2-Butanone (MEK)		26.1	μg/Kg	5
4-Methyl-2-pentanone (MIBK)		<7.86	μg/Kg	5
2-Hexanone		<2.22	μg/Kg	5
trans 1,4-Dichloro-2-butene		<1.33	μg/Kg	10
1,1-Dichloroethene		<1.17	μg/Kg	1
Methylene chloride		10.4	μg/Kg	5
MTBE		<1.53	μg/Kg	1
trans-1,2-Dichloroethene		<1.54	μg/Kg	1
1,1-Dichloroethane		<0.513	μg/Kg	1
cis-1,2-Dichloroethene		<2.13	μg/Kg	1
2,2-Dichloropropane		<0.982	μg/Kg	1
1,2-Dichloroethane (EDC)		<1.98	μg/Kg	1
Chloroform		2.52	μg/Kg	1
1,1,1-Trichloroethane		<1.01	μg/Kg	1
1,1-Dichloropropene		<1.60	μg/Kg	1
Benzene		<2.36	μg/Kg	1
Carbon Tetrachloride		<1.08	μg/Kg	1
1,2-Dichloropropane		<1.01	μg/Kg	1
Trichloroethene (TCE)		<1.95	μg/Kg	1
Dibromomethane (methylene bromide)		<1.62	μg/Kg	1
Bromodichloromethane		<0.958	μg/Kg	1
2-Chloroethyl vinyl ether		<1.31	μg/Kg	5
cis-1,3-Dichloropropene		<1.19	μg/Kg	1
trans-1,3-Dichloropropene		<0.860	μg/Kg	1
Toluene		<1.35	μg/Kg	1
1,1,2-Trichloroethane		<2.03	μg/Kg	1
1,3-Dichloropropane		<1.20	μg/Kg	1
Dibromochloromethane		<1.32	μg/Kg	1
1,2-Dibromoethane (EDB)		<1.48	μg/Kg	1
Tetrachloroethene (PCE)		<1.85	μg/Kg	1
Chlorobenzene		<1.24	μg/Kg	1
1,1,1,2-Tetrachloroethane		<1.20	μg/Kg	1
Ethylbenzene		0.670	μg/Kg	1
m,p-Xylene		<1.75	μg/Kg	1
Bromoform		<1.80	μg/Kg	1
Styrene		<0.898	μg/Kg	1
o-Xylene		<0.991	μg/Kg	1
1,1,2,2-Tetrachloroethane		<2.56	μg/Kg	1
2-Chlorotoluene		<0.997	μg/Kg	1
1,2,3-Trichloropropane		<0.935	μg/Kg	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Isopropylbenzene		<1.05	μg/Kg	1
Bromobenzene		<1.42	μg/Kg	1
n-Propylbenzene		<1.01	μg/Kg	1
1,3,5-Trimethylbenzene		<1.04	μg/Kg	1
tert-Butylbenzene		<1.96	μg/Kg	1
1,2,4-Trimethylbenzene		<1.48	μg/Kg	1
1,4-Dichlorobenzene (para)		<4.40	μg/Kg	1
sec-Butylbenzene		<1.13	μg/Kg	1
1,3-Dichlorobenzene (meta)		<0.924	μg/Kg	1
p-Isopropyltoluene		<1.05	μg/Kg	1
4-Chlorotoluene		<0.739	μg/Kg	1
1,2-Dichlorobenzene (ortho)		<1.09	μg/Kg	1
n-Butylbenzene		1.58	μg/Kg	1
1,2-Dibromo-3-chloropropane		<1.92	μg/Kg	5
1,2,3-Trichlorobenzene		<11.9	μg/Kg	5
1,2,4-Trichlorobenzene		<3.11	μg/Kg	5
Naphthalene		<2.58	μg/Kg	5
Hexachlorobutadiene		7.62	μg/Kg	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		474	μg/Kg	10	50.0	95	42 - 129
Toluene-d8		512	μg/Kg	10	50.0	102	93 - 107
4-Bromofluorobenzene (4-BFB)		499	μg/Kg	10	50.0	100	78 - 120

Method Blank (1) QC Batch: 23692

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.0637	mg/Kg	0.25
n-Nitrosodimethylamine		<0.0307	mg/Kg	0.25
2-Picoline		<0.0698	mg/Kg	0.25
Methyl methanesulfonate		<0.0299	mg/Kg	0.25
Ethyl methanesulfonate		<0.0390	mg/Kg	0.25
Phenol		<0.0602	mg/Kg	0.25
Aniline		<0.0369	mg/Kg	0.25
bis(2-chloroethyl)ether		<0.0407	mg/Kg	0.25
2-Chlorophenol		<0.0923	mg/Kg	0.25
1,3-Dichlorobenzene (meta)		<0.0299	mg/Kg	0.25
1,4-Dichlorobenzene (para)		<0.0303	mg/Kg	0.25
Benzyl alcohol		<0.0618	mg/Kg	0.25
1,2-Dichlorobenzene (ortho)		<0.0308	mg/Kg	0.25
2-Methylphenol		<0.0504	mg/Kg	0.25
bis(2-chloroisopropyl)ether		<0.0272	mg/Kg	0.25
4-Methylphenol / 3-Methylphenol		<0.0349	mg/Kg	0.25
Acetophenone		<0.0422	mg/Kg	0.25
n-Nitrosodi-n-propylamine		<0.0480	mg/Kg	0.25
Hexachloroethane		<0.0522	mg/Kg	0.25

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Nitrobenzene		<0.179	mg/Kg	0.25
n-Nitrosopiperidine		<0.0354	mg/Kg	0.25
Isophorone		<0.0802	mg/Kg	0.25
2-Nitrophenol		<0.0236	mg/Kg	0.25
2,4-Dimethylphenol		<0.0416	mg/Kg	0.25
bis(2-chloroethoxy)methane		<0.0490	mg/Kg	0.25
Benzoic acid		<0.137	mg/Kg	0.25
2,4-Dichlorophenol		<0.130	mg/Kg	0.25
1,2,4-Trichlorobenzene		<0.0297	mg/Kg	0.25
a,a-Dimethylphenethylamine		<0.0533	mg/Kg	0.25
Naphthalene		<0.0367	mg/Kg	0.25
4-Chloroaniline		<0.0492	mg/Kg	0.25
2,6-Dichlorophenol		<0.0365	mg/Kg	0.25
Hexachlorobutadiene		<0.0364	mg/Kg	0.25
n-Nitroso-di-n-butylamine		<0.0512	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.0474	mg/Kg	0.25
1-Methylnaphthalene		<0.0417	mg/Kg	0.25
2-Methylnaphthalene		<0.0339	mg/Kg	0.25
1,2,4,5-Tetrachlorobenzene		<0.0300	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.0352	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.0336	mg/Kg	0.25
2,4,5-Trichlorophenol		<0.0403	mg/Kg	0.25
2-Chloronaphthalene		<0.0266	mg/Kg	0.25
1-Chloronaphthalene		<0.0263	mg/Kg	0.25
2-Nitroaniline		<0.0290	mg/Kg	0.25
Dimethylphthalate		<0.0290	mg/Kg	0.25
Acenaphthylene		<0.0651	mg/Kg	0.25
2,6-Dinitrotoluene		<0.0535	mg/Kg	0.25
3-Nitroaniline		<0.0421	mg/Kg	0.25
Acenaphthene		<0.0745	mg/Kg	0.25
2,4-Dinitrophenol		<0.0860	mg/Kg	0.25
Dibenzofuran		<0.0274	mg/Kg	0.25
Pentachlorobenzene		<0.0396	mg/Kg	0.25
4-Nitrophenol		<0.169	mg/Kg	0.25
1-Naphthylamine		<0.0304	mg/Kg	0.25
2,4-Dinitrotoluene		<0.0609	mg/Kg	0.25
2-Naphthylamine		<0.153	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.0404	mg/Kg	0.25
Fluorene		<0.0435	mg/Kg	0.25
Diethylphthalate		<0.0402	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.0345	mg/Kg	0.25
4-Nitroaniline		<0.0176	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.330	mg/Kg	0.25
Diphenylamine		<0.0471	mg/Kg	0.25
Diphenylhydrazine		<0.0641	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.0310	mg/Kg	0.25
Phenacetin		<0.0344	mg/Kg	0.25
Hexachlorobenzene		<0.0306	mg/Kg	0.25
4-Aminobiphenyl		<0.128	mg/Kg	0.25
Pentachlorophenol		<0.151	mg/Kg	0.25

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Pentachloronitrobenzene		<0.0775	mg/Kg	0.25
Pronamide		<0.0265	mg/Kg	0.25
Phenanthrene		<0.0737	mg/Kg	0.25
Anthracene		<0.0378	mg/Kg	0.25
Di-n-butylphthalate		<0.0300	mg/Kg	0.25
Fluoranthene		<0.0346	mg/Kg	0.25
Benzidine		<1.14	mg/Kg	0.25
Pyrene		<0.151	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.0298	mg/Kg	0.25
Butylbenzylphthalate		<0.0589	mg/Kg	0.25
Benzo(a)anthracene		<0.0449	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.162	mg/Kg	0.25
Chrysene		<0.0357	mg/Kg	0.25
bis(2-ethylhexyl)phthalate		<0.0805	mg/Kg	0.25
Di-n-octylphthalate		<0.0394	mg/Kg	0.25
Benzo(b)fluoranthene		<0.0644	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.0356	mg/Kg	0.25
Benzo(k)fluoranthene		<0.0464	mg/Kg	0.25
Benzo(a)pyrene		<0.0349	mg/Kg	0.25
3-Methylcholanthrene		<0.0741	mg/Kg	0.25
Dibenzo(a,j)acridine		<0.0290	mg/Kg	0.25
Indeno(1,2,3-cd)pyrene		<0.0287	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.0448	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.0276	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		2.41	mg/Kg	1	2.67	90	10 - 113.2
Phenol-d5		2.18	mg/Kg	1	2.67	82	10 - 124.6
Nitrobenzene-d5		2.55	mg/Kg	1	2.67	96	10 - 116.8
2-Fluorobiphenyl		2.48	mg/Kg	1	2.67	93	10 - 122.4
2,4,6-Tribromophenol		2.43	mg/Kg	1	2.67	91	10 - 133.7
Terphenyl-d14	[7]	7.12	mg/Kg	1	2.67	267	10.2 - 141

Laboratory Control Spike (LCS-2) QC Batch: 23529

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
DRO	194	219	mg/Kg	1	250	<12.0	78	12	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	134	135	mg/Kg	1	150	89	90	50 - 150

Laboratory Control Spike (LCS-1) QC Batch: 23583

[7]8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	12.7	12.6	mg/Kg	1	12.5	<0.00444	102	1	85 - 113	20
Total Arsenic	44.4	44.8	mg/Kg	1	50.0	<0.228	89	1	85 - 111	20
Total Barium	103	102	mg/Kg	1	100	<0.0601	103	1	85 - 103	20
Total Cadmium	23.1	23.0	mg/Kg	1	25.0	<0.00794	92	0	85 - 115	20
Total Chromium	10.2	10.1	mg/Kg	1	10.0	<0.0125	102	1	85 - 115	20
Total Lead	47.4	46.1	mg/Kg	1	50.0	<0.367	95	3	85 - 115	20
Total Selenium	46.8	46.5	mg/Kg	1	50.0	<0.0767	94	1	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 23600

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.494	0.482	mg/Kg	1	0.500	<0.00880	99	2	79.5 - 121.1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 23647

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
1,1-Dichloroethene	44.9	44.9	µg/L	1	50.0	<0.0736	90	0	70 - 130	20
Benzene	46.9	46.8	µg/L	1	50.0	<0.0495	94	0	70 - 130	20
Trichloroethene (TCE)	49.0	48.8	µg/L	1	50.0	<0.0495	98	0	70 - 130	20
Toluene	47.7	47.1	µg/L	1	50.0	<0.0736	95	1	70 - 130	20
Chlorobenzene	49.5	49.8	µg/L	1	50.0	<0.0217	99	1	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	48.4	48.7	µg/L	1	50.0	97	97	92 - 112
Toluene-d8	50.7	50.8	µg/L	1	50.0	101	102	94 - 112
4-Bromofluorobenzene (4-BFB)	47.5	47.6	µg/L	1	50.0	95	95	88 - 116

Laboratory Control Spike (LCS-1) QC Batch: 23682

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
1,1-Dichloroethene	473	464	µg/Kg	10	50.0	<11.7	95	2	70 - 130	20
Benzene	496	490	µg/Kg	10	50.0	<23.6	99	1	70 - 130	20
Trichloroethene (TCE)	503	498	µg/Kg	10	50.0	<19.5	101	1	70 - 130	20
Toluene	495	491	µg/Kg	10	50.0	<13.5	99	1	70 - 130	20
Chlorobenzene	502	501	µg/Kg	10	50.0	<12.4	100	0	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued . . .

control spikes continued . . .

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	512	506	μg/Kg	10	50.0	102	101	42 - 129
Toluene-d8	512	517	μg/Kg	10	50.0	102	103	93 - 107
4-Bromofluorobenzene (4-BFB)	492	494	μg/Kg	10	50.0	98	99	78 - 120

Laboratory Control Spike (LCS-1) QC Batch: 23692

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Phenol	1.26	1.26	mg/Kg	1	2.67	<0.0602	47	0	10 - 120.2	20
2-Chlorophenol	1.31	1.16	mg/Kg	1	2.67	<0.0923	49	12	10 - 123	20
1,4-Dichlorobenzene (para)	1.35	1.24	mg/Kg	1	2.67	<0.0303	50	8	10 - 130	20
n-Nitrosodi-n-propylamine	1.52	1.42	mg/Kg	1	2.67	<0.0480	57	7	10 - 152	20
1,2,4-Trichlorobenzene	1.02	1.14	mg/Kg	1	2.67	<0.0297	38	11	10 - 134.7	20
4-Chloro-3-methylphenol	1.26	1.18	mg/Kg	1	2.67	<0.0474	47	7	10 - 152.7	20
Acenaphthene	3.17	3.31	mg/Kg	1	2.67	<0.0745	119	4	10 - 158	20
4-Nitrophenol	1.59	1.42	mg/Kg	1	2.67	<0.169	60	11	10 - 162.7	20
2,4-Dinitrotoluene	1.28	1.40	mg/Kg	1	2.67	<0.0609	48	9	10 - 186.3	20
Pentachlorophenol	1.06	1.22	mg/Kg	1	2.67	<0.151	40	14	10 - 150.5	20
Pyrene	3.88	3.76	mg/Kg	1	2.67	<0.151	145	3	10 - 189.2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	2.03	2.65	mg/Kg	1	2.67	76	99	10 - 103.5
Phenol-d5	2.16	2.08	mg/Kg	1	2.67	81	78	10 - 109.8
Nitrobenzene-d5	2.45	1.94	mg/Kg	1	2.67	92	73	10 - 106.5
2-Fluorobiphenyl	2.61	2.69	mg/Kg	1	2.67	98	101	10 - 107.9
2,4,6-Tribromophenol	2.41	2.60	mg/Kg	1	2.67	90	97	14.4 - 134.5
Terphenyl-d14	3.46	3.35	mg/Kg	1	2.67	130	125	16.3 - 140

Matrix Spike (MS-2) QC Batch: 23529 Spiked Sample: 80431

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
DRO	275	292	mg/Kg	1	250	64.01	84	6	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	132	133	mg/Kg	1	150	88	89	50 - 150

Matrix Spike (MS-1) QC Batch: 23583 Spiked Sample: 80285

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	13.3	13.6	mg/Kg	1	12.5	<0.00444	106	2	75 - 125	20
Total Arsenic	48.4	47.3	mg/Kg	1	50.0	3.91	89	2	75 - 125	20
Total Barium	327	331	mg/Kg	1	100	224	103	1	75 - 125	20
Total Cadmium	21.4	23.4	mg/Kg	1	25.0	1.28	80	9	75 - 125	20
Total Chromium	19.6	19.3	mg/Kg	1	10.0	10.6	90	2	75 - 125	20
Total Lead	43.9	44.5	mg/Kg	1	50.0	<0.367	88	1	75 - 125	20
Total Selenium	43.6	43.8	mg/Kg	1	50.0	<0.0767	87	0	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 23600 Spiked Sample: 80285

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.485	0.478	mg/Kg	1	0.500	<0.00880	97	1	80.1 - 125.3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 23682 Spiked Sample: 80429

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
1,1-Dichloroethene	468	466	µg/Kg	10	50.0	<11.7	94	0	70 - 130	20
Benzene	482	486	µg/Kg	10	50.0	<23.6	96	1	70 - 130	20
Trichloroethene (TCE)	497	504	µg/Kg	10	50.0	<19.5	99	1	70 - 130	20
Toluene	481	484	µg/Kg	10	50.0	<13.5	96	1	70 - 130	20
Chlorobenzene	498	502	µg/Kg	10	50.0	<12.4	100	1	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	499	500	µg/Kg	10	50	100	100	87 - 110
Toluene-d8	518	515	µg/Kg	10	50	104	103	94 - 110
4-Bromofluorobenzene (4-BFB)	489	489	µg/Kg	10	50	98	98	88 - 112

Matrix Spike (MS-1) QC Batch: 23692 Spiked Sample: 80431

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Phenol	1.31	1.21	mg/Kg	1	2.67	<0.0602	49	8	10 - 109.5	20
2-Chlorophenol	1.45	1.30	mg/Kg	1	2.67	<0.0923	54	11	10 - 109.9	20
1,4-Dichlorobenzene (para)	1.42	1.29	mg/Kg	1	2.67	<0.0303	53	10	10 - 114.6	20
n-Nitrosodi-n-propylamine	1.60	1.42	mg/Kg	1	2.67	<0.0480	60	12	10 - 148.4	20
1,2,4-Trichlorobenzene	1.10	1.02	mg/Kg	1	2.67	<0.0297	41	8	10 - 121.4	20
4-Chloro-3-methylphenol	1.35	1.35	mg/Kg	1	2.67	<0.0474	50	0	10 - 131	20
Acenaphthene	1.61	1.44	mg/Kg	1	2.67	<0.0745	60	11	10 - 139.4	20

continued . . .

matrix spikes continued . . .

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
4-Nitrophenol	[8][9]	<0.169	<0.169	mg/Kg	1	2.67	<0.169	0	0	10 - 136	20
2,4-Dinitrotoluene		1.67	1.68	mg/Kg	1	2.67	<0.0609	62	1	10 - 148.3	20
Pentachlorophenol		1.37	1.40	mg/Kg	1	2.67	<0.151	51	2	10 - 133.3	20
Pyrene		2.50	2.33	mg/Kg	1	2.67	<0.151	94	7	10 - 155.7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol		2.11	1.95	mg/Kg	1	2.67	79	73	10 - 100.5
Phenol-d5		2.23	1.98	mg/Kg	1	2.67	84	74	10 - 110.8
Nitrobenzene-d5		2.69	2.51	mg/Kg	1	2.67	101	94	10 - 102.3
2-Fluorobiphenyl		2.69	2.58	mg/Kg	1	2.67	101	97	10 - 106.5
2,4,6-Tribromophenol		2.78	2.65	mg/Kg	1	2.67	104	99	10 - 131.4
Terphenyl-d14	[10][11]	5.67	5.37	mg/Kg	1	2.67	212	201	10 - 129.8

Standard (ICV-2) QC Batch: 23529

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	214	86	75 - 125	2005-12-21

Standard (CCV-3) QC Batch: 23529

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	288	115	75 - 125	2005-12-21

Standard (ICV-1) QC Batch: 23583

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.130	104	90 - 110	2005-12-22
Total Arsenic		mg/Kg	1.00	1.01	101	95 - 105	2005-12-22
Total Barium		mg/Kg	1.00	1.03	103	95 - 105	2005-12-22
Total Cadmium		mg/Kg	1.00	1.03	103	95 - 105	2005-12-22
Total Chromium		mg/Kg	1.00	1.01	101	90 - 110	2005-12-22
Total Lead		mg/Kg	1.00	1.03	103	90 - 110	2005-12-22
Total Selenium		mg/Kg	1.00	1.03	103	90 - 110	2005-12-22

Standard (CCV-1) QC Batch: 23583

[8]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[9]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[10]8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.
[11]8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.128	102	90 - 110	2005-12-22
Total Arsenic		mg/Kg	1.00	1.02	102	90 - 110	2005-12-22
Total Barium		mg/Kg	1.00	1.02	102	90 - 110	2005-12-22
Total Cadmium		mg/Kg	1.00	1.02	102	90 - 110	2005-12-22
Total Chromium		mg/Kg	1.00	0.990	99	90 - 110	2005-12-22
Total Lead		mg/Kg	1.00	1.01	101	90 - 110	2005-12-22
Total Selenium		mg/Kg	1.00	1.00	100	90 - 110	2005-12-22

Standard (ICV-1) QC Batch: 23600

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00508	102	90 - 110	2005-12-22

Standard (CCV-1) QC Batch: 23600

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00504	101	80 - 120	2005-12-22

Standard (CCV-1) QC Batch: 23647

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	44.8	90	80 - 120	2005-12-22
1,1-Dichloroethene		µg/L	50.0	45.1	90	80 - 120	2005-12-22
Chloroform		µg/L	50.0	45.5	91	80 - 120	2005-12-22
1,2-Dichloropropane		µg/L	50.0	47.6	95	80 - 120	2005-12-22
Toluene		µg/L	50.0	46.8	94	80 - 120	2005-12-22
Chlorobenzene		µg/L	50.0	49.2	98	80 - 120	2005-12-22
Ethylbenzene		µg/L	50.0	46.6	93	80 - 120	2005-12-22

Standard (CCV-1) QC Batch: 23682

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/Kg	50.0	48.8	98	80 - 120	2005-12-27
1,1-Dichloroethene		µg/Kg	50.0	49.8	100	80 - 120	2005-12-27
Chloroform		µg/Kg	50.0	51.4	103	80 - 120	2005-12-27
1,2-Dichloropropane		µg/Kg	50.0	51.6	103	80 - 120	2005-12-27
Toluene		µg/Kg	50.0	49.4	99	80 - 120	2005-12-27
Chlorobenzene		µg/Kg	50.0	50.5	101	80 - 120	2005-12-27
Ethylbenzene		µg/Kg	50.0	48.9	98	80 - 120	2005-12-27

Standard (CCV-1) QC Batch: 23692

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60.0	53.4	89	80 - 120	2005-12-21
1,4-Dichlorobenzene (para)		mg/Kg	60.0	61.3	102	80 - 120	2005-12-21
2-Nitrophenol		mg/Kg	60.0	54.0	90	80 - 120	2005-12-21
2,4-Dichlorophenol		mg/Kg	60.0	49.2	82	80 - 120	2005-12-21
Hexachlorobutadiene		mg/Kg	60.0	67.0	112	80 - 120	2005-12-21
4-Chloro-3-methylphenol		mg/Kg	60.0	52.6	88	80 - 120	2005-12-21
2,4,6-Trichlorophenol		mg/Kg	60.0	48.7	81	80 - 120	2005-12-21
Acenaphthene		mg/Kg	60.0	60.9	102	80 - 120	2005-12-21
Diphenylamine		mg/Kg	60.0	71.1	118	80 - 120	2005-12-21
Pentachlorophenol		mg/Kg	60.0	56.9	95	80 - 120	2005-12-21
Fluoranthene		mg/Kg	60.0	66.7	111	80 - 120	2005-12-21
Di-n-octylphthalate		mg/Kg	60.0	60.7	101	80 - 120	2005-12-21
Benzo(a)pyrene		mg/Kg	60.0	55.8	93	80 - 120	2005-12-21

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		62.5	mg/Kg	1	60.0	104	80 - 120
Phenol-d5		51.6	mg/Kg	1	60.0	86	80 - 120
Nitrobenzene-d5		58.3	mg/Kg	1	60.0	97	80 - 120
2-Fluorobiphenyl		61.3	mg/Kg	1	60.0	102	80 - 120
2,4,6-Tribromophenol	[12]	46.5	mg/Kg	1	60.0	78	80 - 120
Terphenyl-d14		60.3	mg/Kg	1	60.0	100	80 - 120

[12] 2,4,6-Tribromophenol outside of control limits on CCV(ICV). CCV(ICV) component average is 96.4% which is within acceptable range. This is acceptable by Method 8000.

5122014

P.O. BOX 363, Bldg 126, 3rd Floor, WSMR, NM 88002
Office: (505) 678-0263 Fax: (505) 678-6096

COC# 379

WES

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.: 20

PROJECT NAME: POL 16 AST

SAMPLER'S SIGNATURE: Bradley Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	RCRA 8 metals	SVOCs	VOCs	TPH DRO							REMARKS
12-16-05	1400	SE50-0208-CS-001	SOIL	30426	3	X	X	X	X							Base
12-16-05	1400	SE50-0208-CS-101	SOIL	27	3	X	X	X	X							Base
12-16-05	1430	SE50-0208-CS-002	SOIL	28	3	X	X	X	X							East Side
12-16-05	1440	SE50-0208-CS-003	SOIL	29	3	X	X	X	X							North Side
12-16-05	1450	SE50-0208-CS-004	SOIL	30	3	X	X	X	X							West Side
12-16-05	1500	SE50-0208-CS-005	SOIL	31	3	X	X	X	X							South Side
		~~SE50-0208-CS-006~~	SOIL		3	X	X	X	X							→ BTD 12-16-05

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS:		(PRINTED NAME) Bradley T. Davis	(PRINTED NAME)	(PRINTED NAME) Vicki Hensley
SHIPPING ID NO.: FedEx 7918-1260-3884	CHAIN OF CUSTODY SEALS:		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
	GOOD CONDITION/COOLED:	4°	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 1:45 12-20-05
VIA: FedEx	CONFORMS TO RECORD:	MA	SPECIAL INSTRUCTIONS/COMMENTS: Rush TPH DRO - 24 Hr Turnaround		

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: July 3, 2006

Work Order: 6062117

Project Name: POL 16 AST
Project Number: 20

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
93360	OSRC-0203-CS-001	soil	2006-06-20	09:55	2006-06-21
93361	OSRC-0203-CS-101	soil	2006-06-20	09:55	2006-06-21
93362	OSRC-0203-CS-002	soil	2006-06-20	10:00	2006-06-21
93363	OSRC-0203-CS-003	soil	2006-06-20	10:12	2006-06-21
93364	OSRC-0203-CS-004	soil	2006-06-20	10:20	2006-06-21
93365	OSRC-0203-CS-005	soil	2006-06-20	10:21	2006-06-21

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 41 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Analytical Report

Sample: 93360 - OSRC-0203-CS-001

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	27765	Date Analyzed:	2006-06-29	Analyzed By:	AG
Prep Batch:	24220	Sample Preparation:	2006-06-23	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250

continued . . .

sample 93360 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.38	mg/Kg	1	2.67	52	10 - 98.8
Phenol-d5		1.68	mg/Kg	1	2.67	63	10 - 105
Nitrobenzene-d5		1.68	mg/Kg	1	2.67	63	10 - 114
2-Fluorobiphenyl		2.22	mg/Kg	1	2.67	83	10 - 122
2,4,6-Tribromophenol		2.26	mg/Kg	1	2.67	85	10 - 117
Terphenyl-d14		1.88	mg/Kg	1	2.67	70	10 - 116

Sample: 93360 - OSRC-0203-CS-001

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	27589	Date Analyzed:	2006-06-23	Analyzed By:	RR
Prep Batch:	24166	Sample Preparation:	2006-06-22	Prepared By:	TS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	27716	Date Analyzed:	2006-06-28	Analyzed By:	TP
Prep Batch:	24273	Sample Preparation:	2006-06-28	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		**0.734**	mg/Kg	1	0.200
Total Arsenic		<1.00	mg/Kg	1	1.00
Total Barium		**47.6**	mg/Kg	1	1.00
Total Cadmium		**0.910**	mg/Kg	1	0.500
Total Chromium		**9.12**	mg/Kg	1	1.00
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**4.94**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 93360 - OSRC-0203-CS-001

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	27515	Date Analyzed:	2006-06-21	Analyzed By:	JL
Prep Batch:	24129	Sample Preparation:	2006-06-21	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		144	mg/Kg	1	150	96	50 - 150

Sample: 93360 - OSRC-0203-CS-001

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	27694	Date Analyzed:	2006-06-27	Analyzed By:	JG
Prep Batch:	24282	Sample Preparation:	2006-06-27	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	μg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	μg/Kg	10	1.00
Vinyl Chloride		<10.0	μg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	μg/Kg	10	5.00
Chloroethane		<10.0	μg/Kg	10	1.00
Trichlorofluoromethane		<10.0	μg/Kg	10	1.00
Acetone		<100	μg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	μg/Kg	10	5.00
Carbon Disulfide		<10.0	μg/Kg	10	1.00
Acrylonitrile		<10.0	μg/Kg	10	1.00
2-Butanone (MEK)		<50.0	μg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	μg/Kg	10	5.00
2-Hexanone		<50.0	μg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	μg/Kg	10	10.0
1,1-Dichloroethene		<10.0	μg/Kg	10	1.00
Methylene chloride		<50.0	μg/Kg	10	5.00
MTBE		<10.0	μg/Kg	10	1.00
trans-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
1,1-Dichloroethane		<10.0	μg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
2,2-Dichloropropane		<10.0	μg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	10	1.00
Chloroform		<10.0	μg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	μg/Kg	10	1.00
1,1-Dichloropropene		<10.0	μg/Kg	10	1.00
Benzene		<10.0	μg/Kg	10	1.00
Carbon Tetrachloride		<10.0	μg/Kg	10	1.00
1,2-Dichloropropane		<10.0	μg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	μg/Kg	10	1.00
Dibromomethane (methylene bromide)		<10.0	μg/Kg	10	1.00
Bromodichloromethane		<10.0	μg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	μg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
Toluene		<10.0	μg/Kg	10	1.00
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00

continued . . .

sample 93360 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropylbenzene		<10.0	μg/Kg	10	1.00
Bromobenzene		<10.0	μg/Kg	10	1.00
n-Propylbenzene		<10.0	μg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	μg/Kg	10	1.00
tert-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	μg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	10	1.00
sec-Butylbenzene		<10.0	μg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	10	1.00
p-Isopropyltoluene		<10.0	μg/Kg	10	1.00
4-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	10	1.00
n-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	μg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	μg/Kg	10	5.00
Naphthalene		<50.0	μg/Kg	10	5.00
Hexachlorobutadiene		<50.0	μg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		495	μg/Kg	10	50.0	99	42 - 129
Toluene-d8		509	μg/Kg	10	50.0	102	93 - 107
4-Bromofluorobenzene (4-BFB)		508	μg/Kg	10	50.0	102	78 - 120

Sample: 93361 - OSRC-0203-CS-101

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	27765	Date Analyzed:	2006-06-29	Analyzed By:	AG
Prep Batch:	24220	Sample Preparation:	2006-06-23	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250

continued . . .

sample 93361 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250

continued . . .

sample 93361 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.01	mg/Kg	1	2.67	38	10 - 98.8
Phenol-d5		1.20	mg/Kg	1	2.67	45	10 - 105
Nitrobenzene-d5		1.16	mg/Kg	1	2.67	43	10 - 114
2-Fluorobiphenyl		1.55	mg/Kg	1	2.67	58	10 - 122
2,4,6-Tribromophenol		2.32	mg/Kg	1	2.67	87	10 - 117
Terphenyl-d14		2.57	mg/Kg	1	2.67	96	10 - 116

Sample: 93361 - OSRC-0203-CS-101

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	27589	Date Analyzed:	2006-06-23	Analyzed By:	RR
Prep Batch:	24166	Sample Preparation:	2006-06-22	Prepared By:	TS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	27716	Date Analyzed:	2006-06-28	Analyzed By:	TP
Prep Batch:	24273	Sample Preparation:	2006-06-28	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		**0.782**	mg/Kg	1	0.200
Total Arsenic		<1.00	mg/Kg	1	1.00
Total Barium		**44.6**	mg/Kg	1	1.00
Total Cadmium		**0.944**	mg/Kg	1	0.500
Total Chromium		**9.05**	mg/Kg	1	1.00
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**5.11**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 93361 - OSRC-0203-CS-101

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	27515	Date Analyzed:	2006-06-21	Analyzed By:	JL
Prep Batch:	24129	Sample Preparation:	2006-06-21	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		150	mg/Kg	1	150	100	50 - 150

Sample: 93361 - OSRC-0203-CS-101

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	27694	Date Analyzed:	2006-06-27	Analyzed By:	JG
Prep Batch:	24282	Sample Preparation:	2006-06-27	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	µg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	µg/Kg	10	1.00
Vinyl Chloride		<10.0	µg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	µg/Kg	10	5.00
Chloroethane		<10.0	µg/Kg	10	1.00
Trichlorofluoromethane		<10.0	µg/Kg	10	1.00
Acetone		<100	µg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	µg/Kg	10	5.00
Carbon Disulfide		<10.0	µg/Kg	10	1.00
Acrylonitrile		<10.0	µg/Kg	10	1.00
2-Butanone (MEK)		<50.0	µg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	10	5.00
2-Hexanone		<50.0	µg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	µg/Kg	10	10.0
1,1-Dichloroethene		<10.0	µg/Kg	10	1.00
Methylene chloride		<50.0	µg/Kg	10	5.00
MTBE		<10.0	µg/Kg	10	1.00

continued . . .

sample 93361 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
trans-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
1,1-Dichloroethane		<10.0	μg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
2,2-Dichloropropane		<10.0	μg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	10	1.00
Chloroform		<10.0	μg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	μg/Kg	10	1.00
1,1-Dichloropropene		<10.0	μg/Kg	10	1.00
Benzene		<10.0	μg/Kg	10	1.00
Carbon Tetrachloride		<10.0	μg/Kg	10	1.00
1,2-Dichloropropane		<10.0	μg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	μg/Kg	10	1.00
Dibromomethane (methylene bromide)		<10.0	μg/Kg	10	1.00
Bromodichloromethane		<10.0	μg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	μg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
Toluene		<10.0	μg/Kg	10	1.00
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00
Isopropylbenzene		<10.0	μg/Kg	10	1.00
Bromobenzene		<10.0	μg/Kg	10	1.00
n-Propylbenzene		<10.0	μg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	μg/Kg	10	1.00
tert-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	μg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	10	1.00
sec-Butylbenzene		<10.0	μg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	10	1.00
p-Isopropyltoluene		<10.0	μg/Kg	10	1.00
4-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	10	1.00
n-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	μg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	μg/Kg	10	5.00

continued . . .

sample 93361 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<50.0	μg/Kg	10	5.00
Hexachlorobutadiene		<50.0	μg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		496	μg/Kg	10	50.0	99	42 - 129
Toluene-d8		508	μg/Kg	10	50.0	102	93 - 107
4-Bromofluorobenzene (4-BFB)		507	μg/Kg	10	50.0	101	78 - 120

Sample: 93362 - OSRC-0203-CS-002

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	27765	Date Analyzed:	2006-06-29	Analyzed By:	AG
Prep Batch:	24220	Sample Preparation:	2006-06-23	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250

continued . . .

sample 93362 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250

continued . . .

sample 93362 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.04	mg/Kg	1	2.67	39	10 - 98.8
Phenol-d5		1.32	mg/Kg	1	2.67	49	10 - 105
Nitrobenzene-d5		1.30	mg/Kg	1	2.67	49	10 - 114
2-Fluorobiphenyl		1.73	mg/Kg	1	2.67	65	10 - 122
2,4,6-Tribromophenol		2.22	mg/Kg	1	2.67	83	10 - 117
Terphenyl-d14		2.40	mg/Kg	1	2.67	90	10 - 116

Sample: 93362 - OSRC-0203-CS-002

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	27589	Date Analyzed:	2006-06-23	Analyzed By:	RR
Prep Batch:	24166	Sample Preparation:	2006-06-22	Prepared By:	TS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	27716	Date Analyzed:	2006-06-28	Analyzed By:	TP
Prep Batch:	24273	Sample Preparation:	2006-06-28	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		**0.324**	mg/Kg	1	0.200
Total Arsenic		<1.00	mg/Kg	1	1.00
Total Barium		**168**	mg/Kg	1	1.00
Total Cadmium		**2.05**	mg/Kg	1	0.500
Total Chromium		**20.3**	mg/Kg	1	1.00
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**15.6**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 93362 - OSRC-0203-CS-002

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	27515	Date Analyzed:	2006-06-21	Analyzed By:	JL
Prep Batch:	24129	Sample Preparation:	2006-06-21	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		144	mg/Kg	1	150	96	50 - 150

Sample: 93362 - OSRC-0203-CS-002

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	27694	Date Analyzed:	2006-06-27	Analyzed By:	JG
Prep Batch:	24282	Sample Preparation:	2006-06-27	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	µg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	µg/Kg	10	1.00
Vinyl Chloride		<10.0	µg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	µg/Kg	10	5.00
Chloroethane		<10.0	µg/Kg	10	1.00
Trichlorofluoromethane		<10.0	µg/Kg	10	1.00
Acetone		<100	µg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	µg/Kg	10	5.00
Carbon Disulfide		<10.0	µg/Kg	10	1.00
Acrylonitrile		<10.0	µg/Kg	10	1.00
2-Butanone (MEK)		<50.0	µg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	10	5.00
2-Hexanone		<50.0	µg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	µg/Kg	10	10.0
1,1-Dichloroethene		<10.0	µg/Kg	10	1.00
Methylene chloride		<50.0	µg/Kg	10	5.00
MTBE		<10.0	µg/Kg	10	1.00
trans-1,2-Dichloroethene		<10.0	µg/Kg	10	1.00
1,1-Dichloroethane		<10.0	µg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	µg/Kg	10	1.00
2,2-Dichloropropane		<10.0	µg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	10	1.00
Chloroform		<10.0	µg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	µg/Kg	10	1.00
1,1-Dichloropropene		<10.0	µg/Kg	10	1.00
Benzene		<10.0	µg/Kg	10	1.00
Carbon Tetrachloride		<10.0	µg/Kg	10	1.00
1,2-Dichloropropane		<10.0	µg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	µg/Kg	10	1.00

continued . . .

sample 93362 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dibromomethane (methylene bromide)		<10.0	μg/Kg	10	1.00
Bromodichloromethane		<10.0	μg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	μg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
Toluene		<10.0	μg/Kg	10	1.00
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00
Isopropylbenzene		<10.0	μg/Kg	10	1.00
Bromobenzene		<10.0	μg/Kg	10	1.00
n-Propylbenzene		<10.0	μg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	μg/Kg	10	1.00
tert-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	μg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	10	1.00
sec-Butylbenzene		<10.0	μg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	10	1.00
p-Isopropyltoluene		<10.0	μg/Kg	10	1.00
4-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	10	1.00
n-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	μg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	μg/Kg	10	5.00
Naphthalene		<50.0	μg/Kg	10	5.00
Hexachlorobutadiene		<50.0	μg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		499	μg/Kg	10	50.0	100	42 - 129
Toluene-d8		504	μg/Kg	10	50.0	101	93 - 107
4-Bromofluorobenzene (4-BFB)		514	μg/Kg	10	50.0	103	78 - 120

Sample: 93363 - OSRC-0203-CS-003

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	27765	Date Analyzed:	2006-06-29	Analyzed By:	AG
Prep Batch:	24220	Sample Preparation:	2006-06-23	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250

continued . . .

sample 93363 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.980	mg/Kg	1	2.67	37	10 - 98.8
Phenol-d5		1.22	mg/Kg	1	2.67	46	10 - 105
Nitrobenzene-d5		1.19	mg/Kg	1	2.67	44	10 - 114
2-Fluorobiphenyl		1.61	mg/Kg	1	2.67	60	10 - 122
2,4,6-Tribromophenol		2.12	mg/Kg	1	2.67	79	10 - 117
Terphenyl-d14		2.57	mg/Kg	1	2.67	96	10 - 116

Sample: 93363 - OSRC-0203-CS-003

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	27589	Date Analyzed:	2006-06-23	Analyzed By:	RR
Prep Batch:	24166	Sample Preparation:	2006-06-22	Prepared By:	TS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	27718	Date Analyzed:	2006-06-28	Analyzed By:	TP
Prep Batch:	24303	Sample Preparation:	2006-06-28	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		**0.322**	mg/Kg	1	0.200
Total Arsenic		<1.00	mg/Kg	1	1.00
Total Barium		**196**	mg/Kg	1	1.00
Total Cadmium		**2.04**	mg/Kg	1	0.500
Total Chromium		**19.6**	mg/Kg	1	1.00
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**15.9**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 93363 - OSRC-0203-CS-003

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	27515	Date Analyzed:	2006-06-21	Analyzed By:	JL
Prep Batch:	24129	Sample Preparation:	2006-06-21	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		126	mg/Kg	1	150	84	50 - 150

Sample: 93363 - OSRC-0203-CS-003

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	27694	Date Analyzed:	2006-06-27	Analyzed By:	JG
Prep Batch:	24282	Sample Preparation:	2006-06-27	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	μg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	μg/Kg	10	1.00
Vinyl Chloride		<10.0	μg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	μg/Kg	10	5.00
Chloroethane		<10.0	μg/Kg	10	1.00
Trichlorofluoromethane		<10.0	μg/Kg	10	1.00
Acetone		<100	μg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	μg/Kg	10	5.00
Carbon Disulfide		<10.0	μg/Kg	10	1.00
Acrylonitrile		<10.0	μg/Kg	10	1.00
2-Butanone (MEK)		<50.0	μg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	μg/Kg	10	5.00
2-Hexanone		<50.0	μg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	μg/Kg	10	10.0
1,1-Dichloroethene		<10.0	μg/Kg	10	1.00
Methylene chloride		<50.0	μg/Kg	10	5.00
MTBE		<10.0	μg/Kg	10	1.00
trans-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
1,1-Dichloroethane		<10.0	μg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
2,2-Dichloropropane		<10.0	μg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	10	1.00
Chloroform		<10.0	μg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	μg/Kg	10	1.00
1,1-Dichloropropene		<10.0	μg/Kg	10	1.00
Benzene		<10.0	μg/Kg	10	1.00
Carbon Tetrachloride		<10.0	μg/Kg	10	1.00
1,2-Dichloropropane		<10.0	μg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	μg/Kg	10	1.00
Dibromomethane (methylene bromide)		<10.0	μg/Kg	10	1.00
Bromodichloromethane		<10.0	μg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	μg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
Toluene		<10.0	μg/Kg	10	1.00
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00

continued . . .

sample 93363 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropylbenzene		<10.0	μg/Kg	10	1.00
Bromobenzene		<10.0	μg/Kg	10	1.00
n-Propylbenzene		<10.0	μg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	μg/Kg	10	1.00
tert-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	μg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	10	1.00
sec-Butylbenzene		<10.0	μg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	10	1.00
p-Isopropyltoluene		<10.0	μg/Kg	10	1.00
4-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	10	1.00
n-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	μg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	μg/Kg	10	5.00
Naphthalene		<50.0	μg/Kg	10	5.00
Hexachlorobutadiene		<50.0	μg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		492	μg/Kg	10	50.0	98	42 - 129
Toluene-d8		508	μg/Kg	10	50.0	102	93 - 107
4-Bromofluorobenzene (4-BFB)		512	μg/Kg	10	50.0	102	78 - 120

Sample: 93364 - OSRC-0203-CS-004

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	27765	Date Analyzed:	2006-06-29	Analyzed By:	AG
Prep Batch:	24220	Sample Preparation:	2006-06-23	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250

continued . . .

sample 93364 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250

continued . . .

sample 93364 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.900	mg/Kg	1	2.67	34	10 - 98.8
Phenol-d5		1.19	mg/Kg	1	2.67	44	10 - 105
Nitrobenzene-d5		1.11	mg/Kg	1	2.67	42	10 - 114
2-Fluorobiphenyl		1.48	mg/Kg	1	2.67	55	10 - 122
2,4,6-Tribromophenol		1.80	mg/Kg	1	2.67	67	10 - 117
Terphenyl-d14		2.54	mg/Kg	1	2.67	95	10 - 116

Sample: 93364 - OSRC-0203-CS-004

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	27589	Date Analyzed:	2006-06-23	Analyzed By:	RR
Prep Batch:	24166	Sample Preparation:	2006-06-22	Prepared By:	TS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	27718	Date Analyzed:	2006-06-28	Analyzed By:	TP
Prep Batch:	24303	Sample Preparation:	2006-06-28	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		**0.351**	mg/Kg	1	0.200
Total Arsenic		<1.00	mg/Kg	1	1.00
Total Barium		**162**	mg/Kg	1	1.00
Total Cadmium		**2.04**	mg/Kg	1	0.500
Total Chromium		**20.3**	mg/Kg	1	1.00
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**15.4**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 93364 - OSRC-0203-CS-004

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	27515	Date Analyzed:	2006-06-21	Analyzed By:	JL
Prep Batch:	24129	Sample Preparation:	2006-06-21	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		159	mg/Kg	1	150	106	50 - 150

Sample: 93364 - OSRC-0203-CS-004

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	27694	Date Analyzed:	2006-06-27	Analyzed By:	JG
Prep Batch:	24282	Sample Preparation:	2006-06-27	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	µg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	µg/Kg	10	1.00
Vinyl Chloride		<10.0	µg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	µg/Kg	10	5.00
Chloroethane		<10.0	µg/Kg	10	1.00
Trichlorofluoromethane		<10.0	µg/Kg	10	1.00
Acetone		<100	µg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	µg/Kg	10	5.00
Carbon Disulfide		<10.0	µg/Kg	10	1.00
Acrylonitrile		<10.0	µg/Kg	10	1.00
2-Butanone (MEK)		<50.0	µg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	10	5.00
2-Hexanone		<50.0	µg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	µg/Kg	10	10.0
1,1-Dichloroethene		<10.0	µg/Kg	10	1.00
Methylene chloride		<50.0	µg/Kg	10	5.00
MTBE		<10.0	µg/Kg	10	1.00

continued . . .

sample 93364 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
trans-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
1,1-Dichloroethane		<10.0	μg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	μg/Kg	10	1.00
2,2-Dichloropropane		<10.0	μg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	10	1.00
Chloroform		<10.0	μg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	μg/Kg	10	1.00
1,1-Dichloropropene		<10.0	μg/Kg	10	1.00
Benzene		<10.0	μg/Kg	10	1.00
Carbon Tetrachloride		<10.0	μg/Kg	10	1.00
1,2-Dichloropropane		<10.0	μg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	μg/Kg	10	1.00
Dibromomethane (methylene bromide)		<10.0	μg/Kg	10	1.00
Bromodichloromethane		<10.0	μg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	μg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
Toluene		<10.0	μg/Kg	10	1.00
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00
Isopropylbenzene		<10.0	μg/Kg	10	1.00
Bromobenzene		<10.0	μg/Kg	10	1.00
n-Propylbenzene		<10.0	μg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	μg/Kg	10	1.00
tert-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	μg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	10	1.00
sec-Butylbenzene		<10.0	μg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	10	1.00
p-Isopropyltoluene		<10.0	μg/Kg	10	1.00
4-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	10	1.00
n-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	μg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	μg/Kg	10	5.00

continued . . .

sample 93364 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<50.0	μg/Kg	10	5.00
Hexachlorobutadiene		<50.0	μg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		495	μg/Kg	10	50.0	99	42 - 129
Toluene-d8		500	μg/Kg	10	50.0	100	93 - 107
4-Bromofluorobenzene (4-BFB)		506	μg/Kg	10	50.0	101	78 - 120

Sample: 93365 - OSRC-0203-CS-005

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	27765	Date Analyzed:	2006-06-29	Analyzed By:	AG
Prep Batch:	24220	Sample Preparation:	2006-06-23	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
n-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
n-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
n-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250

continued . . .

sample 93365 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
n-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250

continued . . .

sample 93365 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.830	mg/Kg	1	2.67	31	10 - 98.8
Phenol-d5		1.04	mg/Kg	1	2.67	39	10 - 105
Nitrobenzene-d5		1.15	mg/Kg	1	2.67	43	10 - 114
2-Fluorobiphenyl		1.50	mg/Kg	1	2.67	56	10 - 122
2,4,6-Tribromophenol		2.05	mg/Kg	1	2.67	77	10 - 117
Terphenyl-d14		4.11	mg/Kg	1	2.67	154	10 - 116

Sample: 93365 - OSRC-0203-CS-005

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	27589	Date Analyzed:	2006-06-23	Analyzed By:	RR
Prep Batch:	24166	Sample Preparation:	2006-06-22	Prepared By:	TS
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	27718	Date Analyzed:	2006-06-28	Analyzed By:	TP
Prep Batch:	24303	Sample Preparation:	2006-06-28	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		**0.343**	mg/Kg	1	0.200
Total Arsenic		<1.00	mg/Kg	1	1.00
Total Barium		**176**	mg/Kg	1	1.00
Total Cadmium		**2.29**	mg/Kg	1	0.500
Total Chromium		**22.7**	mg/Kg	1	1.00
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**17.9**	mg/Kg	1	1.00
Total Selenium		<1.00	mg/Kg	1	1.00

Sample: 93365 - OSRC-0203-CS-005

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	27515	Date Analyzed:	2006-06-21	Analyzed By:	JL
Prep Batch:	24129	Sample Preparation:	2006-06-21	Prepared By:	SP

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		122	mg/Kg	1	150	81	50 - 150

Sample: 93365 - OSRC-0203-CS-005

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	27694	Date Analyzed:	2006-06-27	Analyzed By:	JG
Prep Batch:	24282	Sample Preparation:	2006-06-27	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	10	1.00
Dichlorodifluoromethane		<10.0	µg/Kg	10	1.00
Chloromethane (methyl chloride)		<10.0	µg/Kg	10	1.00
Vinyl Chloride		<10.0	µg/Kg	10	1.00
Bromomethane (methyl bromide)		<50.0	µg/Kg	10	5.00
Chloroethane		<10.0	µg/Kg	10	1.00
Trichlorofluoromethane		<10.0	µg/Kg	10	1.00
Acetone		<100	µg/Kg	10	10.0
Iodomethane (methyl iodide)		<50.0	µg/Kg	10	5.00
Carbon Disulfide		<10.0	µg/Kg	10	1.00
Acrylonitrile		<10.0	µg/Kg	10	1.00
2-Butanone (MEK)		<50.0	µg/Kg	10	5.00
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	10	5.00
2-Hexanone		<50.0	µg/Kg	10	5.00
trans 1,4-Dichloro-2-butene		<100	µg/Kg	10	10.0
1,1-Dichloroethene		<10.0	µg/Kg	10	1.00
Methylene chloride		<50.0	µg/Kg	10	5.00
MTBE		<10.0	µg/Kg	10	1.00
trans-1,2-Dichloroethene		<10.0	µg/Kg	10	1.00
1,1-Dichloroethane		<10.0	µg/Kg	10	1.00
cis-1,2-Dichloroethene		<10.0	µg/Kg	10	1.00
2,2-Dichloropropane		<10.0	µg/Kg	10	1.00
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	10	1.00
Chloroform		<10.0	µg/Kg	10	1.00
1,1,1-Trichloroethane		<10.0	µg/Kg	10	1.00
1,1-Dichloropropene		<10.0	µg/Kg	10	1.00
Benzene		<10.0	µg/Kg	10	1.00
Carbon Tetrachloride		<10.0	µg/Kg	10	1.00
1,2-Dichloropropane		<10.0	µg/Kg	10	1.00
Trichloroethene (TCE)		<10.0	µg/Kg	10	1.00

continued . . .

sample 93365 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dibromomethane (methylene bromide)		<10.0	μg/Kg	10	1.00
Bromodichloromethane		<10.0	μg/Kg	10	1.00
2-Chloroethyl vinyl ether		<50.0	μg/Kg	10	5.00
cis-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
trans-1,3-Dichloropropene		<10.0	μg/Kg	10	1.00
Toluene		<10.0	μg/Kg	10	1.00
1,1,2-Trichloroethane		<10.0	μg/Kg	10	1.00
1,3-Dichloropropane		<10.0	μg/Kg	10	1.00
Dibromochloromethane		<10.0	μg/Kg	10	1.00
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	10	1.00
Tetrachloroethene (PCE)		<10.0	μg/Kg	10	1.00
Chlorobenzene		<10.0	μg/Kg	10	1.00
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
Ethylbenzene		<10.0	μg/Kg	10	1.00
m,p-Xylene		<10.0	μg/Kg	10	1.00
Bromoform		<10.0	μg/Kg	10	1.00
Styrene		<10.0	μg/Kg	10	1.00
o-Xylene		<10.0	μg/Kg	10	1.00
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	10	1.00
2-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2,3-Trichloropropane		<10.0	μg/Kg	10	1.00
Isopropylbenzene		<10.0	μg/Kg	10	1.00
Bromobenzene		<10.0	μg/Kg	10	1.00
n-Propylbenzene		<10.0	μg/Kg	10	1.00
1,3,5-Trimethylbenzene		<10.0	μg/Kg	10	1.00
tert-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2,4-Trimethylbenzene		<10.0	μg/Kg	10	1.00
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	10	1.00
sec-Butylbenzene		<10.0	μg/Kg	10	1.00
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	10	1.00
p-Isopropyltoluene		<10.0	μg/Kg	10	1.00
4-Chlorotoluene		<10.0	μg/Kg	10	1.00
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	10	1.00
n-Butylbenzene		<10.0	μg/Kg	10	1.00
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	10	5.00
1,2,3-Trichlorobenzene		<50.0	μg/Kg	10	5.00
1,2,4-Trichlorobenzene		<50.0	μg/Kg	10	5.00
Naphthalene		<50.0	μg/Kg	10	5.00
Hexachlorobutadiene		<50.0	μg/Kg	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		496	μg/Kg	10	50.0	99	42 - 129
Toluene-d8		508	μg/Kg	10	50.0	102	93 - 107
4-Bromofluorobenzene (4-BFB)		513	μg/Kg	10	50.0	103	78 - 120

Method Blank (1) QC Batch: 27515

QC Batch:	27515	Date Analyzed:	2006-06-21	Analyzed By:	JL
Prep Batch:	24129	QC Preparation:	2006-06-21	Prepared By:	JL

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		150	mg/Kg	1	150	100	50 - 150

Method Blank (1) QC Batch: 27589

QC Batch:	27589	Date Analyzed:	2006-06-23	Analyzed By:	RR
Prep Batch:	24166	QC Preparation:	2006-06-22	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.0444	mg/Kg	0.2
Total Arsenic		<0.228	mg/Kg	1
Total Barium		<0.601	mg/Kg	1
Total Cadmium		<0.0795	mg/Kg	0.5
Total Chromium		<0.125	mg/Kg	1
Total Lead		<0.650	mg/Kg	1
Total Selenium		<0.767	mg/Kg	1

Method Blank (1) QC Batch: 27694

QC Batch:	27694	Date Analyzed:	2006-06-27	Analyzed By:	JG
Prep Batch:	24282	QC Preparation:	2006-06-27	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.825	µg/Kg	1
Dichlorodifluoromethane		<0.889	µg/Kg	1
Chloromethane (methyl chloride)		<0.929	µg/Kg	1
Vinyl Chloride		<0.463	µg/Kg	1
Bromomethane (methyl bromide)		<1.71	µg/Kg	5
Chloroethane		<3.68	µg/Kg	1
Trichlorofluoromethane		<0.306	µg/Kg	1
Acetone		<17.0	µg/Kg	10
Iodomethane (methyl iodide)		<0.640	µg/Kg	5
Carbon Disulfide		0.540	µg/Kg	1
Acrylonitrile		<1.51	µg/Kg	1
2-Butanone (MEK)		<3.78	µg/Kg	5
4-Methyl-2-pentanone (MIBK)		<7.86	µg/Kg	5
2-Hexanone		<5.70	µg/Kg	5
trans 1,4-Dichloro-2-butene		<1.33	µg/Kg	10
1,1-Dichloroethene		<0.639	µg/Kg	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Methylene chloride		5.36	μg/Kg	5
MTBE		<0.362	μg/Kg	1
trans-1,2-Dichloroethene		<0.419	μg/Kg	1
1,1-Dichloroethane		<0.257	μg/Kg	1
cis-1,2-Dichloroethene		<0.627	μg/Kg	1
2,2-Dichloropropane		<0.593	μg/Kg	1
1,2-Dichloroethane (EDC)		<0.524	μg/Kg	1
Chloroform		<0.440	μg/Kg	1
1,1,1-Trichloroethane		<0.750	μg/Kg	1
1,1-Dichloropropene		<0.622	μg/Kg	1
Benzene		<0.644	μg/Kg	1
Carbon Tetrachloride		<0.485	μg/Kg	1
1,2-Dichloropropane		<0.547	μg/Kg	1
Trichloroethene (TCE)		<0.836	μg/Kg	1
Dibromomethane (methylene bromide)		<0.435	μg/Kg	1
Bromodichloromethane		<0.457	μg/Kg	1
2-Chloroethyl vinyl ether		<0.547	μg/Kg	5
cis-1,3-Dichloropropene		<0.596	μg/Kg	1
trans-1,3-Dichloropropene		<0.561	μg/Kg	1
Toluene		1.75	μg/Kg	1
1,1,2-Trichloroethane		<3.25	μg/Kg	1
1,3-Dichloropropane		<0.505	μg/Kg	1
Dibromochloromethane		<0.552	μg/Kg	1
1,2-Dibromoethane (EDB)		<0.688	μg/Kg	1
Tetrachloroethene (PCE)		2.20	μg/Kg	1
Chlorobenzene		<0.426	μg/Kg	1
1,1,1,2-Tetrachloroethane		<0.289	μg/Kg	1
Ethylbenzene		1.20	μg/Kg	1
m,p-Xylene		2.62	μg/Kg	1
Bromoform		<0.426	μg/Kg	1
Styrene		<0.796	μg/Kg	1
o-Xylene		1.07	μg/Kg	1
1,1,2,2-Tetrachloroethane		<0.703	μg/Kg	1
2-Chlorotoluene		<1.26	μg/Kg	1
1,2,3-Trichloropropane		<0.504	μg/Kg	1
Isopropylbenzene		1.74	μg/Kg	1
Bromobenzene		<0.480	μg/Kg	1
n-Propylbenzene		2.08	μg/Kg	1
1,3,5-Trimethylbenzene		2.12	μg/Kg	1
tert-Butylbenzene		2.07	μg/Kg	1
1,2,4-Trimethylbenzene		2.06	μg/Kg	1
1,4-Dichlorobenzene (para)		<0.387	μg/Kg	1
sec-Butylbenzene		2.50	μg/Kg	1
1,3-Dichlorobenzene (meta)		2.26	μg/Kg	1
p-Isopropyltoluene		2.61	μg/Kg	1
4-Chlorotoluene		1.49	μg/Kg	1
1,2-Dichlorobenzene (ortho)		2.23	μg/Kg	1
n-Butylbenzene		3.38	μg/Kg	1
1,2-Dibromo-3-chloropropane		<1.92	μg/Kg	5
1,2,3-Trichlorobenzene		14.8	μg/Kg	5

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,2,4-Trichlorobenzene		7.30	μg/Kg	5
Naphthalene		13.7	μg/Kg	5
Hexachlorobutadiene		15.1	μg/Kg	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		494	μg/Kg	10	50.0	99	42 - 129
Toluene-d8		509	μg/Kg	10	50.0	102	93 - 107
4-Bromofluorobenzene (4-BFB)		512	μg/Kg	10	50.0	102	78 - 120

Method Blank (1) QC Batch: 27716

QC Batch: 27716 Date Analyzed: 2006-06-28 Analyzed By: TP
Prep Batch: 24273 QC Preparation: 2006-06-28 Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00299	mg/Kg	0.04

Method Blank (1) QC Batch: 27718

QC Batch: 27718 Date Analyzed: 2006-06-28 Analyzed By: TP
Prep Batch: 24303 QC Preparation: 2006-06-28 Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00299	mg/Kg	0.04

Method Blank (1) QC Batch: 27765

QC Batch: 27765 Date Analyzed: 2006-06-29 Analyzed By: AG
Prep Batch: 24220 QC Preparation: 2006-06-23 Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.0517	mg/Kg	0.25
n-Nitrosodimethylamine		<0.0321	mg/Kg	0.25
2-Picoline		<0.0182	mg/Kg	0.25
Methyl methanesulfonate		<0.0199	mg/Kg	0.25
Ethyl methanesulfonate		<0.0353	mg/Kg	0.25
Phenol		<0.0308	mg/Kg	0.25
Aniline		<0.0484	mg/Kg	0.25
bis(2-chloroethyl)ether		<0.0340	mg/Kg	0.25
2-Chlorophenol		<0.0329	mg/Kg	0.25
1,3-Dichlorobenzene (meta)		<0.0429	mg/Kg	0.25
1,4-Dichlorobenzene (para)		<0.0378	mg/Kg	0.25

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Benzyl alcohol		<0.0364	mg/Kg	0.25
1,2-Dichlorobenzene (ortho)		<0.0364	mg/Kg	0.25
2-Methylphenol		<0.0340	mg/Kg	0.25
bis(2-chloroisopropyl)ether		<0.0344	mg/Kg	0.25
4-Methylphenol / 3-Methylphenol		<0.0392	mg/Kg	0.25
Acetophenone		<0.0403	mg/Kg	0.25
n-Nitrosodi-n-propylamine		<0.0444	mg/Kg	0.25
Hexachloroethane		<0.0372	mg/Kg	0.25
Nitrobenzene		<0.0410	mg/Kg	0.25
n-Nitrosopiperidine		<0.0316	mg/Kg	0.25
Isophorone		<0.0552	mg/Kg	0.25
2-Nitrophenol		<0.0252	mg/Kg	0.25
2,4-Dimethylphenol		<0.0564	mg/Kg	0.25
bis(2-chloroethoxy)methane		<0.0381	mg/Kg	0.25
Benzoic acid		<0.121	mg/Kg	0.25
2,4-Dichlorophenol		<0.0374	mg/Kg	0.25
1,2,4-Trichlorobenzene		<0.0338	mg/Kg	0.25
a,a-Dimethylphenethylamine		<0.0115	mg/Kg	0.25
Naphthalene		<0.0377	mg/Kg	0.25
4-Chloroaniline		<0.0403	mg/Kg	0.25
2,6-Dichlorophenol		<0.0352	mg/Kg	0.25
Hexachlorobutadiene		<0.0373	mg/Kg	0.25
n-Nitroso-di-n-butylamine		<0.0402	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.0460	mg/Kg	0.25
1-Methylnaphthalene		<0.0475	mg/Kg	0.25
2-Methylnaphthalene		<0.0410	mg/Kg	0.25
1,2,4,5-Tetrachlorobenzene		<0.0340	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.0209	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.0403	mg/Kg	0.25
2,4,5-Trichlorophenol		<0.0442	mg/Kg	0.25
2-Chloronaphthalene		<0.0410	mg/Kg	0.25
1-Chloronaphthalene		<0.0417	mg/Kg	0.25
2-Nitroaniline		<0.0411	mg/Kg	0.25
Dimethylphthalate		<0.0531	mg/Kg	0.25
Acenaphthylene		<0.0465	mg/Kg	0.25
2,6-Dinitrotoluene		<0.0454	mg/Kg	0.25
3-Nitroaniline		<0.0278	mg/Kg	0.25
Acenaphthene		<0.0461	mg/Kg	0.25
2,4-Dinitrophenol		<0.0113	mg/Kg	0.25
Dibenzofuran		<0.0480	mg/Kg	0.25
Pentachlorobenzene		<0.0431	mg/Kg	0.25
4-Nitrophenol		<0.0166	mg/Kg	0.25
1-Naphthylamine		<0.0427	mg/Kg	0.25
2,4-Dinitrotoluene		<0.0471	mg/Kg	0.25
2-Naphthylamine		<0.0361	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.0523	mg/Kg	0.25
Fluorene		<0.0435	mg/Kg	0.25
Diethylphthalate		<0.0643	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.0466	mg/Kg	0.25
4-Nitroaniline		<0.0278	mg/Kg	0.25

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Parameter	Flag	MDL Result	Units	RL
4,6-Dinitro-2-methylphenol		<0.0670	mg/Kg	0.25
Diphenylamine		<0.0368	mg/Kg	0.25
Diphenylhydrazine		<0.0555	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.0536	mg/Kg	0.25
Phenacetin		<0.0352	mg/Kg	0.25
Hexachlorobenzene		<0.0584	mg/Kg	0.25
4-Aminobiphenyl		<0.0349	mg/Kg	0.25
Pentachlorophenol		<0.0400	mg/Kg	0.25
Pentachloronitrobenzene		<0.0532	mg/Kg	0.25
Pronamide		<0.0368	mg/Kg	0.25
Phenanthrene		<0.0438	mg/Kg	0.25
Anthracene		<0.0565	mg/Kg	0.25
Di-n-butylphthalate		<0.0475	mg/Kg	0.25
Fluoranthene		<0.0456	mg/Kg	0.25
Benzidine		<0.0178	mg/Kg	0.25
Pyrene		<0.124	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.0407	mg/Kg	0.25
Butylbenzylphthalate		<0.150	mg/Kg	0.25
Benzo(a)anthracene		<0.0538	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.0427	mg/Kg	0.25
Chrysene		<0.0609	mg/Kg	0.25
bis(2-ethylhexyl)phthalate		<0.191	mg/Kg	0.25
Di-n-octylphthalate		<0.182	mg/Kg	0.25
Benzo(b)fluoranthene		<0.0712	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.0371	mg/Kg	0.25
Benzo(k)fluoranthene		<0.0536	mg/Kg	0.25
Benzo(a)pyrene		<0.0525	mg/Kg	0.25
3-Methylcholanthrene		<0.0466	mg/Kg	0.25
Dibenzo(a,j)acridine		<0.0399	mg/Kg	0.25
Indeno(1,2,3-cd)pyrene		<0.0490	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.0533	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.0610	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.37	mg/Kg	1	2.67	51	10 - 110
Phenol-d5		1.47	mg/Kg	1	2.67	55	10 - 109
Nitrobenzene-d5		1.51	mg/Kg	1	2.67	56	10 - 118
2-Fluorobiphenyl		1.82	mg/Kg	1	2.67	68	10 - 121
2,4,6-Tribromophenol		2.56	mg/Kg	1	2.67	96	10 - 117
Terphenyl-d14		1.79	mg/Kg	1	2.67	67	10.2 - 147

Laboratory Control Spike (LCS-1)

QC Batch: 27515 Date Analyzed: 2006-06-21 Analyzed By: JL
Prep Batch: 24129 QC Preparation: 2006-06-21 Prepared By: JL

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
DRO	203	217	mg/Kg	1	250	<10.7	81	6	62.4 - 111	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	149	149	mg/Kg	1	150	99	99	50 - 150

Laboratory Control Spike (LCS-1)

QC Batch: 27589 Date Analyzed: 2006-06-23 Analyzed By: RR
Prep Batch: 24166 QC Preparation: 2006-06-22 Prepared By: TS

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	12.6	12.6	mg/Kg	1	12.5	<0.0444	101	0	89.6 - 105	20
Total Arsenic	47.5	47.5	mg/Kg	1	50.0	<0.228	95	0	86 - 107	20
Total Barium	93.4	93.4	mg/Kg	1	100	<0.601	93	0	75 - 125	20
Total Cadmium	23.5	23.4	mg/Kg	1	25.0	<0.0795	94	0	84.2 - 108	20
Total Chromium	10.6	10.2	mg/Kg	1	10.0	<0.125	106	4	75 - 125	20
Total Lead	47.5	47.5	mg/Kg	1	50.0	<0.650	95	0	75 - 125	20
Total Selenium	42.1	41.9	mg/Kg	1	50.0	<0.767	84	0	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 27694 Date Analyzed: 2006-06-27 Analyzed By: JG
Prep Batch: 24282 QC Preparation: 2006-06-27 Prepared By: JG

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
1,1-Dichloroethene	452	450	µg/Kg	10	50.0	<0.639	90	0	70 - 130	20
Benzene	442	436	µg/Kg	10	50.0	<0.644	88	1	70 - 130	20
Trichloroethene (TCE)	440	433	µg/Kg	10	50.0	<0.836	88	2	70 - 130	20
Toluene	421	415	µg/Kg	10	50.0	1.75	84	1	70 - 130	20
Chlorobenzene	442	441	µg/Kg	10	50.0	<0.426	88	0	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	538	532	µg/Kg	10	50.0	108	106	42 - 129
Toluene-d8	505	500	µg/Kg	10	50.0	101	100	93 - 107
4-Bromofluorobenzene (4-BFB)	505	507	µg/Kg	10	50.0	101	101	78 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 27716 Date Analyzed: 2006-06-28 Analyzed By: TP
Prep Batch: 24273 QC Preparation: 2006-06-28 Prepared By: TP

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.500	0.494	mg/Kg	1	0.500	<0.00299	100	1	85.2 - 118	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 27718 Date Analyzed: 2006-06-28 Analyzed By: TP
Prep Batch: 24303 QC Preparation: 2006-06-28 Prepared By: TP

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.486	0.497	mg/Kg	1	0.500	<0.00299	97	2	85.2 - 118	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 27765 Date Analyzed: 2006-06-29 Analyzed By: AG
Prep Batch: 24220 QC Preparation: 2006-06-23 Prepared By: AG

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Phenol	1.47	1.47	mg/Kg	1	2.67	<0.0308	55	0	10 - 117	20
2-Chlorophenol	1.48	1.48	mg/Kg	1	2.67	<0.0329	55	0	10 - 117	20
1,4-Dichlorobenzene (para)	1.42	1.41	mg/Kg	1	2.67	<0.0378	53	1	10 - 116	20
n-Nitrosodi-n-propylamine	1.75	1.79	mg/Kg	1	2.67	<0.0444	66	2	10 - 121	20
1,2,4-Trichlorobenzene	1.54	1.52	mg/Kg	1	2.67	<0.0338	58	1	10 - 126	20
4-Chloro-3-methylphenol	1.36	1.44	mg/Kg	1	2.67	<0.0460	51	6	10 - 148	20
Acenaphthene	1.86	1.88	mg/Kg	1	2.67	<0.0461	70	1	10 - 154	20
4-Nitrophenol	1.72	1.78	mg/Kg	1	2.67	<0.0166	64	3	10 - 142	20
2,4-Dinitrotoluene	2.31	2.40	mg/Kg	1	2.67	<0.0471	86	4	10 - 170	20
Pentachlorophenol	2.25	2.29	mg/Kg	1	2.67	<0.0400	84	2	10 - 145	20
Pyrene	2.34	2.37	mg/Kg	1	2.67	<0.124	88	1	10 - 227	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	1.30	1.34	mg/Kg	1	2.67	49	50	10 - 103
Phenol-d5	1.73	1.71	mg/Kg	1	2.67	65	64	10 - 120
Nitrobenzene-d5	1.51	1.53	mg/Kg	1	2.67	56	57	10 - 125
2-Fluorobiphenyl	2.10	2.06	mg/Kg	1	2.67	79	77	10 - 123
2,4,6-Tribromophenol	2.75	2.77	mg/Kg	1	2.67	103	104	14.4 - 145
Terphenyl-d14	1.76	1.75	mg/Kg	1	2.67	66	66	16.3 - 168

Matrix Spike (MS-1) Spiked Sample: 93239

QC Batch: 27515 Date Analyzed: 2006-06-21 Analyzed By: JL
Prep Batch: 24129 QC Preparation: 2006-06-21 Prepared By: JL

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
DRO	237	216	mg/Kg	1	250	<10.7	95	9	60.1 - 107	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	162	162	mg/Kg	1	150	108	108	50 - 150

Matrix Spike (MS-1) Spiked Sample: 93329

QC Batch: 27589 Date Analyzed: 2006-06-23 Analyzed By: RR
Prep Batch: 24166 QC Preparation: 2006-06-22 Prepared By: TS

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	11.3	11.5	mg/Kg	1	12.5	<0.0444	90	2	81.3 - 109	20
Total Arsenic	45.1	42.8	mg/Kg	1	50.0	1.92	86	5	74.2 - 113	20
Total Barium	166	161	mg/Kg	1	100	63.9	102	3	75 - 125	20
Total Cadmium	22.9	23.0	mg/Kg	1	25.0	0.78	88	0	75 - 115	20
Total Chromium	14.3	14.8	mg/Kg	1	10.0	5.65	86	3	75 - 125	20
Total Lead	50.0	48.9	mg/Kg	1	50.0	7.47	85	2	75 - 125	20
Total Selenium	43.2	42.0	mg/Kg	1	50.0	<0.767	86	3	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 93361

QC Batch: 27694 Date Analyzed: 2006-06-27 Analyzed By: JG
Prep Batch: 24282 QC Preparation: 2006-06-27 Prepared By: JG

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
1,1-Dichloroethene	412	402	µg/Kg	10	50.0	<11.7	82	2	70 - 130	20
Benzene	422	419	µg/Kg	10	50.0	<23.6	84	1	70 - 130	20
Trichloroethene (TCE)	441	442	µg/Kg	10	50.0	<19.5	88	0	70 - 130	20
Toluene	406	400	µg/Kg	10	50.0	<13.5	81	2	70 - 130	20
Chlorobenzene	433	422	µg/Kg	10	50.0	<12.4	87	3	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	497	494	µg/Kg	10	50	99	99	87 - 110
Toluene-d8	489	474	µg/Kg	10	50	98	95	94 - 110
4-Bromofluorobenzene (4-BFB)	489	488	µg/Kg	10	50	98	98	88 - 112

Matrix Spike (MS-1) Spiked Sample: 93242

QC Batch: 27716 Date Analyzed: 2006-06-28 Analyzed By: TP
Prep Batch: 24273 QC Preparation: 2006-06-28 Prepared By: TP

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.492	0.489	mg/Kg	1	0.500	<0.00299	98	1	77.6 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 93363

QC Batch: 27718 Date Analyzed: 2006-06-28 Analyzed By: TP
Prep Batch: 24303 QC Preparation: 2006-06-28 Prepared By: TP

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.495	0.494	mg/Kg	1	0.500	0.00359	98	0	77.6 - 124	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 27515 Date Analyzed: 2006-06-21 Analyzed By: JL

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	199	80	75 - 125	2006-06-21

Standard (CCV-1)

QC Batch: 27515 Date Analyzed: 2006-06-21 Analyzed By: JL

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	203	81	75 - 125	2006-06-21

Standard (CCV-2)

QC Batch: 27515 Date Analyzed: 2006-06-21 Analyzed By: JL

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	228	91	75 - 125	2006-06-21

Standard (ICV-1)

QC Batch: 27589 Date Analyzed: 2006-06-23 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.124	99	90 - 110	2006-06-23

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standard continued . . .

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/Kg	1.00	0.981	98	90 - 110	2006-06-23
Total Barium		mg/Kg	1.00	0.974	97	90 - 110	2006-06-23
Total Cadmium		mg/Kg	1.00	0.989	99	90 - 110	2006-06-23
Total Chromium		mg/Kg	1.00	0.987	99	90 - 110	2006-06-23
Total Lead		mg/Kg	1.00	0.983	98	90 - 110	2006-06-23
Total Selenium		mg/Kg	1.00	0.983	98	90 - 110	2006-06-23

Standard (CCV-1)

QC Batch: 27589 Date Analyzed: 2006-06-23 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.128	102	90 - 110	2006-06-23
Total Arsenic		mg/Kg	1.00	1.01	101	90 - 110	2006-06-23
Total Barium		mg/Kg	1.00	0.973	97	90 - 110	2006-06-23
Total Cadmium		mg/Kg	1.00	1.02	102	90 - 110	2006-06-23
Total Chromium		mg/Kg	1.00	1.02	102	90 - 110	2006-06-23
Total Lead		mg/Kg	1.00	1.03	103	90 - 110	2006-06-23
Total Selenium		mg/Kg	1.00	1.00	100	90 - 110	2006-06-23

Standard (CCV-1)

QC Batch: 27694 Date Analyzed: 2006-06-27 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/Kg	50.0	41.8	84	80 - 120	2006-06-27
1,1-Dichloroethene		µg/Kg	50.0	45.5	91	80 - 120	2006-06-27
Chloroform		µg/Kg	50.0	47.7	95	80 - 120	2006-06-27
1,2-Dichloropropane		µg/Kg	50.0	46.0	92	80 - 120	2006-06-27
Toluene		µg/Kg	50.0	42.9	86	80 - 120	2006-06-27
Chlorobenzene		µg/Kg	50.0	44.7	89	80 - 120	2006-06-27
Ethylbenzene		µg/Kg	50.0	45.3	91	80 - 120	2006-06-27

Standard (ICV-1)

QC Batch: 27716 Date Analyzed: 2006-06-28 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00511	102	90 - 110	2006-06-28

Standard (CCV-1)

QC Batch: 27716 Date Analyzed: 2006-06-28 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00492	98	80 - 120	2006-06-28

Standard (ICV-1)

QC Batch: 27718 Date Analyzed: 2006-06-28 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00511	102	90 - 110	2006-06-28

Standard (CCV-1)

QC Batch: 27718 Date Analyzed: 2006-06-28 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00483	97	80 - 120	2006-06-28

Standard (CCV-2)

QC Batch: 27765 Date Analyzed: 2006-06-29 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60.0	55.0	92	80 - 120	2006-06-29
1,4-Dichlorobenzene (para)		mg/Kg	60.0	60.0	100	80 - 120	2006-06-29
2-Nitrophenol		mg/Kg	60.0	59.8	100	80 - 120	2006-06-29
2,4-Dichlorophenol		mg/Kg	60.0	54.8	91	80 - 120	2006-06-29
Hexachlorobutadiene		mg/Kg	60.0	67.5	112	80 - 120	2006-06-29
4-Chloro-3-methylphenol		mg/Kg	60.0	50.6	84	80 - 120	2006-06-29
2,4,6-Trichlorophenol		mg/Kg	60.0	59.6	99	80 - 120	2006-06-29
Acenaphthene		mg/Kg	60.0	59.6	99	80 - 120	2006-06-29
Diphenylamine		mg/Kg	60.0	64.4	107	80 - 120	2006-06-29
Pentachlorophenol		mg/Kg	60.0	62.4	104	80 - 120	2006-06-29
Fluoranthene		mg/Kg	60.0	66.4	111	80 - 120	2006-06-29
Di-n-octylphthalate		mg/Kg	60.0	63.5	106	80 - 120	2006-06-29
Benzo(a)pyrene		mg/Kg	60.0	61.4	102	80 - 120	2006-06-29

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		59.6	mg/Kg	1	60.0	99	80 - 120
Phenol-d5		60.9	mg/Kg	1	60.0	102	80 - 120

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5		60.9	mg/Kg	1	60.0	102	80 - 120
2-Fluorobiphenyl		66.7	mg/Kg	1	60.0	111	80 - 120
2,4,6-Tribromophenol		63.4	mg/Kg	1	60.0	106	80 - 120
Terphenyl-d14		62.7	mg/Kg	1	60.0	104	80 - 120

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: July 24, 2007

Work Order: 7070808

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
129305	0214-EB-003-0707	water	2007-07-05	12:30	2007-07-07
129306	0214-TB-898-0707	water	2007-07-05	12:30	2007-07-07

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 30 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-07 and assigned to work order 7070808. Samples for work order 7070808 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C
TPH DRO	Mod. 8015B
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7070808 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 129305 - 0214-EB-003-0707

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	39096	Date Analyzed:	2007-07-12	Analyzed By:	DS
Prep Batch:	33841	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500	mg/L	1	0.00500
Isophorone		<0.00500	mg/L	1	0.00500
2-Nitrophenol		<0.00500	mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500	mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500	mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500	mg/L	1	0.00500
Benzoic acid		<0.00500	mg/L	1	0.00500
Naphthalene		<0.00500	mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500	mg/L	1	0.00500
4-Chloroaniline		<0.00500	mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100	mg/L	1	0.0100
Hexachlorobutadiene		<0.00500	mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500	mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500	mg/L	1	0.00500
2-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500	mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500	mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100	mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500	mg/L	1	0.00500
2-Chloronaphthalene		<0.00500	mg/L	1	0.00500
1-Chloronaphthalene		<0.00500	mg/L	1	0.00500
2-Nitroaniline		<0.00500	mg/L	1	0.00500

continued ...

sample 129305 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.00500	mg/L	1	0.00500
Acenaphthylene		<0.00500	mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500	mg/L	1	0.00500
3-Nitroaniline		<0.00500	mg/L	1	0.00500
Acenaphthene		<0.00500	mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500	mg/L	1	0.00500
Dibenzofuran		<0.00500	mg/L	1	0.00500
Pentachlorobenzene		<0.00500	mg/L	1	0.00500
4-Nitrophenol		<0.0250	mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500	mg/L	1	0.00500
1-Naphthylamine		<0.00500	mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100	mg/L	1	0.0100
2-Naphthylamine		<0.00500	mg/L	1	0.00500
Fluorene		<0.00500	mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500	mg/L	1	0.00500
Diethylphthalate		<0.00500	mg/L	1	0.00500
4-Nitroaniline		<0.00500	mg/L	1	0.00500
Diphenylhydrazine		<0.00500	mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500	mg/L	1	0.00500
Diphenylamine		<0.00500	mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500	mg/L	1	0.00500
Phenacetin		<0.00500	mg/L	1	0.00500
Hexachlorobenzene		<0.00500	mg/L	1	0.00500
4-Aminobiphenyl		<0.00500	mg/L	1	0.00500
Pentachlorophenol		<0.0100	mg/L	1	0.0100
Anthracene		<0.00500	mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500	mg/L	1	0.00500
Pronamide		<0.00500	mg/L	1	0.00500
Phenanthrene		<0.00500	mg/L	1	0.00500
Di-n-butylphthalate		<0.00500	mg/L	1	0.00500
Fluoranthene		<0.00500	mg/L	1	0.00500
Benzidine		<0.0250	mg/L	1	0.0250
Pyrene		<0.00500	mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500	mg/L	1	0.00500
Butylbenzylphthalate		<0.00500	mg/L	1	0.00500
Benzo(a)anthracene		<0.00500	mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500	mg/L	1	0.00500
Chrysene		<0.00500	mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500	mg/L	1	0.00500
Di-n-octylphthalate		<0.00500	mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500	mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500	mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500	mg/L	1	0.00500
Benzo(a)pyrene		<0.00500	mg/L	1	0.00500
3-Methylcholanthrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500	mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500	mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500	mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0219	mg/L	1	0.0800	27	10 - 84.7
Phenol-d5		0.0155	mg/L	1	0.0800	19	10 - 54.9
Nitrobenzene-d5		0.0436	mg/L	1	0.0800	54	10 - 202
2-Fluorobiphenyl		0.0493	mg/L	1	0.0800	62	10 - 199
2,4,6-Tribromophenol		0.0553	mg/L	1	0.0800	69	10 - 141
Terphenyl-d14		0.0694	mg/L	1	0.0800	87	10 - 160

Sample: 129305 - 0214-EB-003-0707

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38894	Date Analyzed:	2007-07-10	Analyzed By:	TG
Prep Batch:	33661	Sample Preparation:	2007-07-09	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		23.1	mg/L	1	15.0	154	40.7 - 174

Sample: 129305 - 0214-EB-003-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38997	Date Analyzed:	2007-07-10	Analyzed By:	JG
Prep Batch:	33754	Sample Preparation:	2007-07-10	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00

continued ...

sample 129305 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
cis-1,2-Dichloroethene		<1.00	μg/L	1	1.00
2,2-Dichloropropane		<1.00	μg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	μg/L	1	1.00
Chloroform		<1.00	μg/L	1	1.00
1,1,1-Trichloroethane		<1.00	μg/L	1	1.00
1,1-Dichloropropene		<1.00	μg/L	1	1.00
Benzene		<1.00	μg/L	1	1.00
Carbon Tetrachloride		<1.00	μg/L	1	1.00
1,2-Dichloropropane		<1.00	μg/L	1	1.00
Trichloroethene (TCE)		<1.00	μg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	μg/L	1	1.00
Bromodichloromethane		<1.00	μg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	μg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	μg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	μg/L	1	1.00
Toluene		<1.00	μg/L	1	1.00
1,1,2-Trichloroethane		<1.00	μg/L	1	1.00
1,3-Dichloropropane		<1.00	μg/L	1	1.00
Dibromochloromethane		<1.00	μg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	μg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	μg/L	1	1.00
Chlorobenzene		<1.00	μg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	μg/L	1	1.00
Ethylbenzene		<1.00	μg/L	1	1.00
m,p-Xylene		<1.00	μg/L	1	1.00
Bromoform		<1.00	μg/L	1	1.00
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	μg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		55.6	µg/L	1	50.0	111	82.4 - 115
Toluene-d8	[1]	59.4	µg/L	1	50.0	119	89.7 - 108
4-Bromofluorobenzene (4-BFB)		56.4	µg/L	1	50.0	113	84.6 - 114

Sample: 129306 - 0214-TB-898-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38992	Date Analyzed:	2007-07-11	Analyzed By:	JG
Prep Batch:	33751	Sample Preparation:	2007-07-11	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		**60.8**	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		**1.06**	µg/L	1	1.00
Methylene chloride	*B*	**5.77**	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

[1] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

continued...

sample 129306 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dibromochloromethane		<1.00	μg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	μg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	μg/L	1	1.00
Chlorobenzene		<1.00	μg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	μg/L	1	1.00
Ethylbenzene		<1.00	μg/L	1	1.00
m,p-Xylene		<1.00	μg/L	1	1.00
Bromoform		<1.00	μg/L	1	1.00
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	μg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.8	μg/L	1	50.0	108	82.4 - 115
Toluene-d8		51.6	μg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.5	μg/L	1	50.0	93	84.6 - 114

Method Blank (1) QC Batch: 38894

QC Batch:	38894	Date Analyzed:	2007-07-10	Analyzed By:	TG
Prep Batch:	33661	QC Preparation:	2007-07-09	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<1.06	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		20.8	mg/L	1	15.0	139	40.7 - 174

Method Blank (1) QC Batch: 38992

QC Batch:	38992	Date Analyzed:	2007-07-11	Analyzed By:	JG
Prep Batch:	33751	QC Preparation:	2007-07-11	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		1.86	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		<0.288	µg/L	5
1,2,4-Trichlorobenzene		<0.273	µg/L	5
Naphthalene		<0.299	µg/L	5
Hexachlorobutadiene		<0.483	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.0	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		50.2	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.6	µg/L	1	50.0	91	84.6 - 114

Method Blank (1) QC Batch: 38997

QC Batch:	38997	Date Analyzed:	2007-07-10	Analyzed By:	JG
Prep Batch:	33754	QC Preparation:	2007-07-10	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Acetone		2.55	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		1.16	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,4-Dichlorobenzene (para)		<0.413	μg/L	1
sec-Butylbenzene		<0.449	μg/L	1
1,3-Dichlorobenzene (meta)		<0.451	μg/L	1
p-Isopropyltoluene		<0.450	μg/L	1
4-Chlorotoluene		<0.489	μg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	μg/L	1
n-Butylbenzene		<0.461	μg/L	1
1,2-Dibromo-3-chloropropane		<0.532	μg/L	5
1,2,3-Trichlorobenzene		1.42	μg/L	5
1,2,4-Trichlorobenzene		0.650	μg/L	5
Naphthalene		0.770	μg/L	5
Hexachlorobutadiene		0.860	μg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		45.6	μg/L	1	50.0	91	82.4 - 115
Toluene-d8		49.3	μg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.4	μg/L	1	50.0	97	84.6 - 114

Method Blank (1) QC Batch: 39096

QC Batch:	39096	Date Analyzed:	2007-07-12	Analyzed By:	DS
Prep Batch:	33841	QC Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.00188	mg/L	0.005
N-Nitrosodimethylamine		<0.00180	mg/L	0.005
2-Picoline		<0.00181	mg/L	0.005
Methyl methanesulfonate		<0.00220	mg/L	0.005
Ethyl methanesulfonate		<0.00260	mg/L	0.005
Phenol		<0.00231	mg/L	0.005
Aniline		<0.00200	mg/L	0.005
bis(2-chloroethyl)ether		<0.00180	mg/L	0.005
2-Chlorophenol		<0.00190	mg/L	0.005
1,3-Dichlorobenzene (meta)		<0.00181	mg/L	0.005
1,4-Dichlorobenzene (para)		<0.00179	mg/L	0.005
Benzyl alcohol		<0.00244	mg/L	0.005
1,2-Dichlorobenzene (ortho)		<0.00173	mg/L	0.005
2-Methylphenol		<0.00230	mg/L	0.005
bis(2-chloroisopropyl)ether		<0.00209	mg/L	0.005
4-Methylphenol / 3-Methylphenol		<0.00229	mg/L	0.005
N-Nitrosodi-n-propylamine		<0.00236	mg/L	0.005
Hexachloroethane		<0.00189	mg/L	0.005
Acetophenone		<0.00211	mg/L	0.005
Nitrobenzene		<0.00192	mg/L	0.005
N-Nitrosopiperidine		<0.00208	mg/L	0.005
Isophorone		<0.00206	mg/L	0.005
2-Nitrophenol		<0.00189	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
2,4-Dimethylphenol		<0.00209	mg/L	0.005
bis(2-chloroethoxy)methane		<0.00216	mg/L	0.005
2,4-Dichlorophenol		<0.00192	mg/L	0.005
1,2,4-Trichlorobenzene		<0.00176	mg/L	0.005
Benzoic acid		<0.00765	mg/L	0.005
Naphthalene		<0.00187	mg/L	0.005
a,a-Dimethylphenethylamine		<0.00146	mg/L	0.005
4-Chloroaniline		<0.00210	mg/L	0.005
2,6-Dichlorophenol		<0.00199	mg/L	0.01
Hexachlorobutadiene		<0.00186	mg/L	0.005
N-Nitroso-di-n-butylamine		<0.00214	mg/L	0.005
4-Chloro-3-methylphenol		<0.00182	mg/L	0.005
2-Methylnaphthalene		<0.00206	mg/L	0.005
1-Methylnaphthalene		<0.00205	mg/L	0.005
1,2,4,5-Tetrachlorobenzene		<0.00211	mg/L	0.005
Hexachlorocyclopentadiene		<0.00175	mg/L	0.005
2,4,6-Trichlorophenol		<0.00200	mg/L	0.01
2,4,5-Trichlorophenol		<0.00176	mg/L	0.005
2-Chloronaphthalene		<0.00200	mg/L	0.005
1-Chloronaphthalene		<0.00259	mg/L	0.005
2-Nitroaniline		<0.00167	mg/L	0.005
Dimethylphthalate		<0.00160	mg/L	0.005
Acenaphthylene		<0.00201	mg/L	0.005
2,6-Dinitrotoluene		<0.00158	mg/L	0.005
3-Nitroaniline		<0.00166	mg/L	0.005
Acenaphthene		<0.00191	mg/L	0.005
2,4-Dinitrophenol		<0.000621	mg/L	0.005
Dibenzofuran		<0.00185	mg/L	0.005
Pentachlorobenzene		<0.00189	mg/L	0.005
4-Nitrophenol		<0.00156	mg/L	0.025
2,4-Dinitrotoluene		<0.00187	mg/L	0.005
1-Naphthylamine		<0.00149	mg/L	0.005
2,3,4,6-Tetrachlorophenol		<0.00162	mg/L	0.01
2-Naphthylamine		<0.00157	mg/L	0.005
Fluorene		<0.00182	mg/L	0.005
4-Chlorophenyl-phenylether		<0.00188	mg/L	0.005
Diethylphthalate		<0.00182	mg/L	0.005
4-Nitroaniline		<0.00182	mg/L	0.005
Diphenylhydrazine		<0.00184	mg/L	0.005
4,6-Dinitro-2-methylphenol		<0.00109	mg/L	0.005
Diphenylamine		<0.00193	mg/L	0.005
4-Bromophenyl-phenylether		<0.00179	mg/L	0.005
Phenacetin		<0.00190	mg/L	0.005
Hexachlorobenzene		<0.00193	mg/L	0.005
4-Aminobiphenyl		<0.00185	mg/L	0.005
Pentachlorophenol		<0.00130	mg/L	0.01
Anthracene		<0.00190	mg/L	0.005
Pentachloronitrobenzene		<0.00187	mg/L	0.005
Pronamide		<0.00182	mg/L	0.005
Phenanthrene		<0.00186	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Di-n-butylphthalate		<0.00180	mg/L	0.005
Fluoranthene		<0.00184	mg/L	0.005
Benzidine		<0.00156	mg/L	0.025
Pyrene		<0.00165	mg/L	0.005
p-Dimethylaminoazobenzene		<0.00145	mg/L	0.005
Butylbenzylphthalate		<0.00165	mg/L	0.005
Benzo(a)anthracene		<0.00157	mg/L	0.005
3,3-Dichlorobenzidine		<0.00162	mg/L	0.005
Chrysene		<0.00162	mg/L	0.005
bis(2-ethylhexyl)phthalate		<0.00171	mg/L	0.005
Di-n-octylphthalate		<0.00136	mg/L	0.005
Benzo(b)fluoranthene		<0.00160	mg/L	0.005
Benzo(k)fluoranthene		<0.00179	mg/L	0.005
7,12-Dimethylbenz(a)anthracene		<0.00152	mg/L	0.005
Benzo(a)pyrene		<0.00161	mg/L	0.005
3-Methylcholanthrene		<0.00147	mg/L	0.005
Dibenzo(a,j)acridine		<0.00154	mg/L	0.005
Indeno(1,2,3-cd)pyrene		<0.00160	mg/L	0.005
Dibenzo(a,h)anthracene		<0.00180	mg/L	0.005
Benzo(g,h,i)perylene		<0.00166	mg/L	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0115	mg/L	1	0.0800	14	10 - 66.9
Phenol-d5		0.0105	mg/L	1	0.0800	13	10 - 50.7
Nitrobenzene-d5		0.0505	mg/L	1	0.0800	63	10 - 124
2-Fluorobiphenyl		0.0542	mg/L	1	0.0800	68	10 - 127
2,4,6-Tribromophenol		0.0324	mg/L	1	0.0800	40	10 - 138
Terphenyl-d14		0.0688	mg/L	1	0.0800	86	10 - 143

Laboratory Control Spike (LCS-1)

QC Batch: 38894 Date Analyzed: 2007-07-10 Analyzed By: TG
Prep Batch: 33661 QC Preparation: 2007-07-09 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	26.7	mg/L	1	25.0	<1.06	107	56.9 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	26.9	mg/L	1	25.0	<1.06	108	56.9 - 128	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	20.6	20.2	mg/L	1	15.0	137	135	40.7 - 174

Laboratory Control Spike (LCS-1)

QC Batch: 38992 Date Analyzed: 2007-07-11 Analyzed By: JG
Prep Batch: 33751 QC Preparation: 2007-07-11 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	51.4	µg/L	1	50.0	<0.351	103	85.7 - 113
Dichlorodifluoromethane	48.5	µg/L	1	50.0	<0.306	97	60.3 - 134
Chloromethane (methyl chloride)	51.4	µg/L	1	50.0	<0.240	103	72 - 120
Vinyl Chloride	52.6	µg/L	1	50.0	<0.224	105	64.4 - 132
Bromomethane (methyl bromide)	53.3	µg/L	1	50.0	<0.325	107	65.9 - 133
Chloroethane	52.1	µg/L	1	50.0	<0.303	104	65.3 - 132
Trichlorofluoromethane	54.2	µg/L	1	50.0	<0.255	108	52.7 - 159
Acetone	75.4	µg/L	1	50.0	<1.86	151	10 - 185
Iodomethane (methyl iodide)	50.8	µg/L	1	50.0	<0.397	102	80.9 - 112
Carbon Disulfide	50.8	µg/L	1	50.0	<0.354	102	73.7 - 120
Acrylonitrile	55.0	µg/L	1	50.0	<0.306	110	75.8 - 121
2-Butanone (MEK)	56.7	µg/L	1	50.0	<0.670	113	43.7 - 117
4-Methyl-2-pentanone (MIBK)	52.3	µg/L	1	50.0	<0.463	105	69.3 - 120
2-Hexanone	60.3	µg/L	1	50.0	<0.303	121	35.6 - 138
trans 1,4-Dichloro-2-butene	54.4	µg/L	1	50.0	<0.407	109	40 - 128
1,1-Dichloroethene	49.5	µg/L	1	50.0	<0.326	99	83.4 - 114
Methylene chloride	51.0	µg/L	1	50.0	<0.375	102	62.6 - 119
MTBE	52.2	µg/L	1	50.0	<0.352	104	70 - 132
trans-1,2-Dichloroethene	50.4	µg/L	1	50.0	<0.322	101	83.3 - 114
1,1-Dichloroethane	50.6	µg/L	1	50.0	<0.324	101	81 - 124
cis-1,2-Dichloroethene	51.2	µg/L	1	50.0	<0.331	102	83.8 - 115
2,2-Dichloropropane	53.9	µg/L	1	50.0	<0.440	108	37.9 - 136
1,2-Dichloroethane (EDC)	51.6	µg/L	1	50.0	<0.327	103	67.8 - 131
Chloroform	51.1	µg/L	1	50.0	<0.345	102	75.1 - 125
1,1,1-Trichloroethane	50.6	µg/L	1	50.0	<0.303	101	72.9 - 123
1,1-Dichloropropene	50.7	µg/L	1	50.0	<0.356	101	85.9 - 119
Benzene	50.5	µg/L	1	50.0	<0.356	101	83.5 - 115
Carbon Tetrachloride	52.0	µg/L	1	50.0	<0.342	104	62.7 - 144
1,2-Dichloropropane	51.8	µg/L	1	50.0	<0.366	104	88.8 - 114
Trichloroethene (TCE)	50.3	µg/L	1	50.0	<0.434	101	91.3 - 111
Dibromomethane (methylene bromide)	51.5	µg/L	1	50.0	<0.406	103	84.2 - 118
Bromodichloromethane	51.8	µg/L	1	50.0	<0.325	104	79.5 - 127
2-Chloroethyl vinyl ether	52.5	µg/L	1	50.0	<0.366	105	75.1 - 128
cis-1,3-Dichloropropene	53.7	µg/L	1	50.0	<0.387	107	83.2 - 119
trans-1,3-Dichloropropene	54.3	µg/L	1	50.0	<0.367	109	77.4 - 126
Toluene	48.4	µg/L	1	50.0	<0.366	97	82 - 110
1,1,2-Trichloroethane	49.2	µg/L	1	50.0	<0.397	98	77 - 123
1,3-Dichloropropane	50.6	µg/L	1	50.0	<0.355	101	81.1 - 124
Dibromochloromethane	51.8	µg/L	1	50.0	<0.315	104	79 - 129
1,2-Dibromoethane (EDB)	51.1	µg/L	1	50.0	<0.340	102	78.6 - 126
Tetrachloroethene (PCE)	49.6	µg/L	1	50.0	<0.355	99	36.7 - 173
Chlorobenzene	47.9	µg/L	1	50.0	<0.363	96	87.9 - 109
1,1,1,2-Tetrachloroethane	51.8	µg/L	1	50.0	<0.338	104	80.5 - 125
Ethylbenzene	50.6	µg/L	1	50.0	<0.350	101	82.4 - 116
m,p-Xylene	102	µg/L	1	100	<0.752	102	80 - 119
Bromoform	54.7	µg/L	1	50.0	<0.275	109	75.8 - 132

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Styrene	53.5	µg/L	1	50.0	<0.395	107	84.2 - 117
o-Xylene	52.0	µg/L	1	50.0	<0.375	104	82.1 - 119
1,1,2,2-Tetrachloroethane	52.0	µg/L	1	50.0	<0.283	104	69.7 - 124
2-Chlorotoluene	47.8	µg/L	1	50.0	<0.445	96	76.5 - 123
1,2,3-Trichloropropane	48.3	µg/L	1	50.0	<0.430	97	66.3 - 130
Isopropylbenzene	47.7	µg/L	1	50.0	<0.521	95	78.3 - 123
Bromobenzene	47.4	µg/L	1	50.0	<0.494	95	79.9 - 122
n-Propylbenzene	47.5	µg/L	1	50.0	<0.483	95	72.6 - 122
1,3,5-Trimethylbenzene	48.7	µg/L	1	50.0	<0.487	97	69.6 - 127
tert-Butylbenzene	48.8	µg/L	1	50.0	<0.496	98	64 - 129
1,2,4-Trimethylbenzene	49.7	µg/L	1	50.0	<0.532	99	71 - 123
1,4-Dichlorobenzene (para)	47.0	µg/L	1	50.0	<0.413	94	74 - 118
sec-Butylbenzene	48.7	µg/L	1	50.0	<0.449	97	59.8 - 129
1,3-Dichlorobenzene (meta)	48.1	µg/L	1	50.0	<0.451	96	80.2 - 119
p-Isopropyltoluene	49.5	µg/L	1	50.0	<0.450	99	54.8 - 135
4-Chlorotoluene	48.0	µg/L	1	50.0	<0.489	96	78.9 - 124
1,2-Dichlorobenzene (ortho)	49.6	µg/L	1	50.0	<0.438	99	80 - 120
n-Butylbenzene	50.4	µg/L	1	50.0	<0.461	101	51.1 - 136
1,2-Dibromo-3-chloropropane	54.1	µg/L	1	50.0	<0.532	108	38.2 - 151
1,2,3-Trichlorobenzene	64.2	µg/L	1	50.0	<0.288	128	25.4 - 158
1,2,4-Trichlorobenzene	54.4	µg/L	1	50.0	<0.273	109	38.2 - 140
Naphthalene	66.9	µg/L	1	50.0	<0.299	134	33.3 - 152
Hexachlorobutadiene	47.3	µg/L	1	50.0	<0.483	95	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	51.8	µg/L	1	50.0	<0.351	104	85.7 - 113	1	20
Dichlorodifluoromethane	48.1	µg/L	1	50.0	<0.306	96	60.3 - 134	1	20
Chloromethane (methyl chloride)	50.4	µg/L	1	50.0	<0.240	101	72 - 120	2	20
Vinyl Chloride	51.6	µg/L	1	50.0	<0.224	103	64.4 - 132	2	20
Bromomethane (methyl bromide)	52.6	µg/L	1	50.0	<0.325	105	65.9 - 133	1	20
Chloroethane	51.8	µg/L	1	50.0	<0.303	104	65.3 - 132	1	20
Trichlorofluoromethane	54.6	µg/L	1	50.0	<0.255	109	52.7 - 159	1	20
Acetone [2]	56.8	µg/L	1	50.0	<1.86	114	10 - 185	28	20
Iodomethane (methyl iodide)	51.5	µg/L	1	50.0	<0.397	103	80.9 - 112	1	20
Carbon Disulfide	50.4	µg/L	1	50.0	<0.354	101	73.7 - 120	1	20
Acrylonitrile	54.2	µg/L	1	50.0	<0.306	108	75.8 - 121	2	20
2-Butanone (MEK)	52.4	µg/L	1	50.0	<0.670	105	43.7 - 117	8	20
4-Methyl-2-pentanone (MIBK)	53.4	µg/L	1	50.0	<0.463	107	69.3 - 120	2	20
2-Hexanone	58.3	µg/L	1	50.0	<0.303	117	35.6 - 138	3	20
trans 1,4-Dichloro-2-butene	52.8	µg/L	1	50.0	<0.407	106	40 - 128	3	20
1,1-Dichloroethene	49.7	µg/L	1	50.0	<0.326	99	83.4 - 114	0	20
Methylene chloride	49.9	µg/L	1	50.0	<0.375	100	62.6 - 119	2	20
MTBE	52.2	µg/L	1	50.0	<0.352	104	70 - 132	0	20
trans-1,2-Dichloroethene	50.4	µg/L	1	50.0	<0.322	101	83.3 - 114	0	20
1,1-Dichloroethane	50.8	µg/L	1	50.0	<0.324	102	81 - 124	0	20
cis-1,2-Dichloroethene	51.3	µg/L	1	50.0	<0.331	103	83.8 - 115	0	20
2,2-Dichloropropane	52.8	µg/L	1	50.0	<0.440	106	37.9 - 136	2	20

continued ...

[2] RPD out of control due to purging characteristics of ketones. •

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2-Dichloroethane (EDC)	51.2	µg/L	1	50.0	<0.327	102	67.8 - 131	1	20
Chloroform	51.1	µg/L	1	50.0	<0.345	102	75.1 - 125	0	20
1,1,1-Trichloroethane	50.5	µg/L	1	50.0	<0.303	101	72.9 - 123	0	20
1,1-Dichloropropene	50.6	µg/L	1	50.0	<0.356	101	85.9 - 119	0	20
Benzene	50.3	µg/L	1	50.0	<0.356	101	83.5 - 115	0	20
Carbon Tetrachloride	51.9	µg/L	1	50.0	<0.342	104	62.7 - 144	0	20
1,2-Dichloropropane	51.3	µg/L	1	50.0	<0.366	103	88.8 - 114	1	20
Trichloroethene (TCE)	50.6	µg/L	1	50.0	<0.434	101	91.3 - 111	1	20
Dibromomethane (methylene bromide)	51.4	µg/L	1	50.0	<0.406	103	84.2 - 118	0	20
Bromodichloromethane	51.5	µg/L	1	50.0	<0.325	103	79.5 - 127	1	20
2-Chloroethyl vinyl ether	52.0	µg/L	1	50.0	<0.366	104	75.1 - 128	1	20
cis-1,3-Dichloropropene	53.2	µg/L	1	50.0	<0.387	106	83.2 - 119	1	20
trans-1,3-Dichloropropene	53.6	µg/L	1	50.0	<0.367	107	77.4 - 126	1	20
Toluene	48.5	µg/L	1	50.0	<0.366	97	82 - 110	0	20
1,1,2-Trichloroethane	49.6	µg/L	1	50.0	<0.397	99	77 - 123	1	20
1,3-Dichloropropane	50.6	µg/L	1	50.0	<0.355	101	81.1 - 124	0	20
Dibromochloromethane	52.0	µg/L	1	50.0	<0.315	104	79 - 129	0	20
1,2-Dibromoethane (EDB)	51.5	µg/L	1	50.0	<0.340	103	78.6 - 126	1	20
Tetrachloroethene (PCE)	49.8	µg/L	1	50.0	<0.355	100	36.7 - 173	0	20
Chlorobenzene	48.1	µg/L	1	50.0	<0.363	96	87.9 - 109	0	20
1,1,1,2-Tetrachloroethane	51.7	µg/L	1	50.0	<0.338	103	80.5 - 125	0	20
Ethylbenzene	49.8	µg/L	1	50.0	<0.350	100	82.4 - 116	2	20
m,p-Xylene	101	µg/L	1	100	<0.752	101	80 - 119	1	20
Bromoform	55.5	µg/L	1	50.0	<0.275	111	75.8 - 132	1	20
Styrene	53.7	µg/L	1	50.0	<0.395	107	84.2 - 117	0	20
o-Xylene	51.4	µg/L	1	50.0	<0.375	103	82.1 - 119	1	20
1,1,2,2-Tetrachloroethane	51.6	µg/L	1	50.0	<0.283	103	69.7 - 124	1	20
2-Chlorotoluene	48.5	µg/L	1	50.0	<0.445	97	76.5 - 123	1	20
1,2,3-Trichloropropane	48.9	µg/L	1	50.0	<0.430	98	66.3 - 130	1	20
Isopropylbenzene	49.0	µg/L	1	50.0	<0.521	98	78.3 - 123	3	20
Bromobenzene	48.3	µg/L	1	50.0	<0.494	97	79.9 - 122	2	20
n-Propylbenzene	48.2	µg/L	1	50.0	<0.483	96	72.6 - 122	2	20
1,3,5-Trimethylbenzene	49.3	µg/L	1	50.0	<0.487	99	69.6 - 127	1	20
tert-Butylbenzene	49.1	µg/L	1	50.0	<0.496	98	64 - 129	1	20
1,2,4-Trimethylbenzene	50.1	µg/L	1	50.0	<0.532	100	71 - 123	1	20
1,4-Dichlorobenzene (para)	47.3	µg/L	1	50.0	<0.413	95	74 - 118	1	20
sec-Butylbenzene	49.2	µg/L	1	50.0	<0.449	98	59.8 - 129	1	20
1,3-Dichlorobenzene (meta)	49.1	µg/L	1	50.0	<0.451	98	80.2 - 119	2	20
p-Isopropyltoluene	50.2	µg/L	1	50.0	<0.450	100	54.8 - 135	1	20
4-Chlorotoluene	49.0	µg/L	1	50.0	<0.489	98	78.9 - 124	2	20
1,2-Dichlorobenzene (ortho)	50.2	µg/L	1	50.0	<0.438	100	80 - 120	1	20
n-Butylbenzene	50.5	µg/L	1	50.0	<0.461	101	51.1 - 136	0	20
1,2-Dibromo-3-chloropropane	53.6	µg/L	1	50.0	<0.532	107	38.2 - 151	1	20
1,2,3-Trichlorobenzene	65.0	µg/L	1	50.0	<0.288	130	25.4 - 158	1	20
1,2,4-Trichlorobenzene	55.2	µg/L	1	50.0	<0.273	110	38.2 - 140	1	20
Naphthalene	67.3	µg/L	1	50.0	<0.299	135	33.3 - 152	1	20
Hexachlorobutadiene	49.1	µg/L	1	50.0	<0.483	98	49.1 - 134	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	52.7	52.0	μg/L	1	50.0	105	104	82.4 - 115
Toluene-d8	50.1	50.0	μg/L	1	50.0	100	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)	50.6	50.0	μg/L	1	50.0	101	100	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 38997 Date Analyzed: 2007-07-10 Analyzed By: JG
Prep Batch: 33754 QC Preparation: 2007-07-10 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	47.3	μg/L	1	50.0	<0.351	95	85.7 - 113
Dichlorodifluoromethane	42.2	μg/L	1	50.0	<0.306	84	60.3 - 134
Chloromethane (methyl chloride)	37.9	μg/L	1	50.0	<0.240	76	72 - 120
Vinyl Chloride	39.6	μg/L	1	50.0	<0.224	79	64.4 - 132
Bromomethane (methyl bromide)	35.0	μg/L	1	50.0	<0.325	70	65.9 - 133
Chloroethane	35.6	μg/L	1	50.0	<0.303	71	65.3 - 132
Trichlorofluoromethane	45.1	μg/L	1	50.0	<0.255	90	52.7 - 159
Acetone	28.9	μg/L	1	50.0	<1.86	58	10 - 185
Iodomethane (methyl iodide)	48.3	μg/L	1	50.0	<0.397	97	80.9 - 112
Carbon Disulfide	42.0	μg/L	1	50.0	<0.354	84	73.7 - 120
Acrylonitrile	44.2	μg/L	1	50.0	<0.306	88	75.8 - 121
2-Butanone (MEK)	40.8	μg/L	1	50.0	<0.670	82	43.7 - 117
4-Methyl-2-pentanone (MIBK)	50.0	μg/L	1	50.0	<0.463	100	69.3 - 120
2-Hexanone	41.0	μg/L	1	50.0	<0.303	82	35.6 - 138
trans 1,4-Dichloro-2-butene	45.3	μg/L	1	50.0	<0.407	91	40 - 128
1,1-Dichloroethene	44.4	μg/L	1	50.0	<0.326	89	83.4 - 114
Methylene chloride	42.5	μg/L	1	50.0	<0.375	85	62.6 - 119
MTBE	44.7	μg/L	1	50.0	<0.352	89	70 - 132
trans-1,2-Dichloroethene	43.6	μg/L	1	50.0	<0.322	87	83.3 - 114
1,1-Dichloroethane	42.0	μg/L	1	50.0	<0.324	84	81 - 124
cis-1,2-Dichloroethene	45.2	μg/L	1	50.0	<0.331	90	83.8 - 115
2,2-Dichloropropane	45.7	μg/L	1	50.0	<0.440	91	37.9 - 136
1,2-Dichloroethane (EDC)	39.4	μg/L	1	50.0	<0.327	79	67.8 - 131
Chloroform	41.8	μg/L	1	50.0	<0.345	84	75.1 - 125
1,1,1-Trichloroethane	42.6	μg/L	1	50.0	<0.303	85	72.9 - 123
1,1-Dichloropropene	45.2	μg/L	1	50.0	<0.356	90	85.9 - 119
Benzene	45.6	μg/L	1	50.0	<0.356	91	83.5 - 115
Carbon Tetrachloride	45.9	μg/L	1	50.0	<0.342	92	62.7 - 144
1,2-Dichloropropane	44.9	μg/L	1	50.0	<0.366	90	88.8 - 114
Trichloroethene (TCE)	50.1	μg/L	1	50.0	<0.434	100	91.3 - 111
Dibromomethane (methylene bromide)	46.3	μg/L	1	50.0	<0.406	93	84.2 - 118
Bromodichloromethane	45.8	μg/L	1	50.0	<0.325	92	79.5 - 127
2-Chloroethyl vinyl ether	45.5	μg/L	1	50.0	<0.366	91	75.1 - 128
cis-1,3-Dichloropropene	48.8	μg/L	1	50.0	<0.387	98	83.2 - 119
trans-1,3-Dichloropropene	47.3	μg/L	1	50.0	<0.367	95	77.4 - 126
Toluene	44.1	μg/L	1	50.0	<0.366	88	82 - 110
1,1,2-Trichloroethane	45.7	μg/L	1	50.0	<0.397	91	77 - 123
1,3-Dichloropropane	45.2	μg/L	1	50.0	<0.355	90	81.1 - 124
Dibromochloromethane	49.8	μg/L	1	50.0	<0.315	100	79 - 129

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2-Dibromoethane (EDB)	50.6	µg/L	1	50.0	<0.340	101	78.6 - 126
Tetrachloroethene (PCE)	49.7	µg/L	1	50.0	<0.355	99	36.7 - 173
Chlorobenzene	46.6	µg/L	1	50.0	<0.363	93	87.9 - 109
1,1,1,2-Tetrachloroethane	48.5	µg/L	1	50.0	<0.338	97	80.5 - 125
Ethylbenzene	45.3	µg/L	1	50.0	<0.350	91	82.4 - 116
m,p-Xylene	91.0	µg/L	1	100	<0.752	91	80 - 119
Bromoform	52.8	µg/L	1	50.0	<0.275	106	75.8 - 132
Styrene	50.3	µg/L	1	50.0	<0.395	101	84.2 - 117
o-Xylene	46.6	µg/L	1	50.0	<0.375	93	82.1 - 119
1,1,2,2-Tetrachloroethane	46.1	µg/L	1	50.0	<0.283	92	69.7 - 124
2-Chlorotoluene	43.9	µg/L	1	50.0	<0.445	88	76.5 - 123
1,2,3-Trichloropropane	44.6	µg/L	1	50.0	<0.430	89	66.3 - 130
Isopropylbenzene	46.3	µg/L	1	50.0	<0.521	93	78.3 - 123
Bromobenzene	43.8	µg/L	1	50.0	<0.494	88	79.9 - 122
n-Propylbenzene	43.1	µg/L	1	50.0	<0.483	86	72.6 - 122
1,3,5-Trimethylbenzene	45.6	µg/L	1	50.0	<0.487	91	69.6 - 127
tert-Butylbenzene	47.1	µg/L	1	50.0	<0.496	94	64 - 129
1,2,4-Trimethylbenzene	46.7	µg/L	1	50.0	<0.532	93	71 - 123
1,4-Dichlorobenzene (para)	45.8	µg/L	1	50.0	<0.413	92	74 - 118
sec-Butylbenzene	45.5	µg/L	1	50.0	<0.449	91	59.8 - 129
1,3-Dichlorobenzene (meta)	47.6	µg/L	1	50.0	<0.451	95	80.2 - 119
p-Isopropyltoluene	47.9	µg/L	1	50.0	<0.450	96	54.8 - 135
4-Chlorotoluene	45.1	µg/L	1	50.0	<0.489	90	78.9 - 124
1,2-Dichlorobenzene (ortho)	48.7	µg/L	1	50.0	<0.438	97	80 - 120
n-Butylbenzene	46.0	µg/L	1	50.0	<0.461	92	51.1 - 136
1,2-Dibromo-3-chloropropane	49.7	µg/L	1	50.0	<0.532	99	38.2 - 151
1,2,3-Trichlorobenzene	59.3	µg/L	1	50.0	<0.288	119	25.4 - 158
1,2,4-Trichlorobenzene	54.5	µg/L	1	50.0	<0.273	109	38.2 - 140
Naphthalene	62.2	µg/L	1	50.0	<0.299	124	33.3 - 152
Hexachlorobutadiene	53.6	µg/L	1	50.0	<0.483	107	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	48.0	µg/L	1	50.0	<0.351	96	85.7 - 113	2	20
Dichlorodifluoromethane	42.4	µg/L	1	50.0	<0.306	85	60.3 - 134	0	20
Chloromethane (methyl chloride)	38.4	µg/L	1	50.0	<0.240	77	72 - 120	1	20
Vinyl Chloride	39.4	µg/L	1	50.0	<0.224	79	64.4 - 132	0	20
Bromomethane (methyl bromide)	37.3	µg/L	1	50.0	<0.325	75	65.9 - 133	6	20
Chloroethane	37.0	µg/L	1	50.0	<0.303	74	65.3 - 132	4	20
Trichlorofluoromethane	45.2	µg/L	1	50.0	<0.255	90	52.7 - 159	0	20
Acetone	31.8	µg/L	1	50.0	<1.86	64	10 - 185	10	20
Iodomethane (methyl iodide)	48.6	µg/L	1	50.0	<0.397	97	80.9 - 112	1	20
Carbon Disulfide	42.1	µg/L	1	50.0	<0.354	84	73.7 - 120	0	20
Acrylonitrile	45.3	µg/L	1	50.0	<0.306	91	75.8 - 121	2	20
2-Butanone (MEK)	43.1	µg/L	1	50.0	<0.670	86	43.7 - 117	6	20
4-Methyl-2-pentanone (MIBK)	50.9	µg/L	1	50.0	<0.463	102	69.3 - 120	2	20
2-Hexanone	41.6	µg/L	1	50.0	<0.303	83	35.6 - 138	1	20
trans 1,4-Dichloro-2-butene	44.5	µg/L	1	50.0	<0.407	89	40 - 128	2	20
1,1-Dichloroethene	44.6	µg/L	1	50.0	<0.326	89	83.4 - 114	0	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Methylene chloride	42.6	µg/L	1	50.0	<0.375	85	62.6 - 119	0	20
MTBE	45.3	µg/L	1	50.0	<0.352	91	70 - 132	1	20
trans-1,2-Dichloroethene	44.4	µg/L	1	50.0	<0.322	89	83.3 - 114	2	20
1,1-Dichloroethane	42.2	µg/L	1	50.0	<0.324	84	81 - 124	0	20
cis-1,2-Dichloroethene	45.7	µg/L	1	50.0	<0.331	91	83.8 - 115	1	20
2,2-Dichloropropane	45.1	µg/L	1	50.0	<0.440	90	37.9 - 136	1	20
1,2-Dichloroethane (EDC)	39.9	µg/L	1	50.0	<0.327	80	67.8 - 131	1	20
Chloroform	42.3	µg/L	1	50.0	<0.345	85	75.1 - 125	1	20
1,1,1-Trichloroethane	43.4	µg/L	1	50.0	<0.303	87	72.9 - 123	2	20
1,1-Dichloropropene	45.3	µg/L	1	50.0	<0.356	91	85.9 - 119	0	20
Benzene	45.8	µg/L	1	50.0	<0.356	92	83.5 - 115	0	20
Carbon Tetrachloride	47.0	µg/L	1	50.0	<0.342	94	62.7 - 144	2	20
1,2-Dichloropropane	45.2	µg/L	1	50.0	<0.366	90	88.8 - 114	1	20
Trichloroethene (TCE)	50.3	µg/L	1	50.0	<0.434	101	91.3 - 111	0	20
Dibromomethane (methylene bromide)	46.8	µg/L	1	50.0	<0.406	94	84.2 - 118	1	20
Bromodichloromethane	46.7	µg/L	1	50.0	<0.325	93	79.5 - 127	2	20
2-Chloroethyl vinyl ether	45.8	µg/L	1	50.0	<0.366	92	75.1 - 128	1	20
cis-1,3-Dichloropropene	49.1	µg/L	1	50.0	<0.387	98	83.2 - 119	1	20
trans-1,3-Dichloropropene	48.2	µg/L	1	50.0	<0.367	96	77.4 - 126	2	20
Toluene	44.5	µg/L	1	50.0	<0.366	89	82 - 110	1	20
1,1,2-Trichloroethane	46.0	µg/L	1	50.0	<0.397	92	77 - 123	1	20
1,3-Dichloropropane	45.6	µg/L	1	50.0	<0.355	91	81.1 - 124	1	20
Dibromochloromethane	51.1	µg/L	1	50.0	<0.315	102	79 - 129	3	20
1,2-Dibromoethane (EDB)	51.2	µg/L	1	50.0	<0.340	102	78.6 - 126	1	20
Tetrachloroethene (PCE)	50.0	µg/L	1	50.0	<0.355	100	36.7 - 173	1	20
Chlorobenzene	46.8	µg/L	1	50.0	<0.363	94	87.9 - 109	0	20
1,1,1,2-Tetrachloroethane	49.3	µg/L	1	50.0	<0.338	99	80.5 - 125	2	20
Ethylbenzene	46.1	µg/L	1	50.0	<0.350	92	82.4 - 116	2	20
m,p-Xylene	91.8	µg/L	1	100	<0.752	92	80 - 119	1	20
Bromoform	54.5	µg/L	1	50.0	<0.275	109	75.8 - 132	3	20
Styrene	51.2	µg/L	1	50.0	<0.395	102	84.2 - 117	2	20
o-Xylene	47.5	µg/L	1	50.0	<0.375	95	82.1 - 119	2	20
1,1,2,2-Tetrachloroethane	47.0	µg/L	1	50.0	<0.283	94	69.7 - 124	2	20
2-Chlorotoluene	44.7	µg/L	1	50.0	<0.445	89	76.5 - 123	2	20
1,2,3-Trichloropropane	45.0	µg/L	1	50.0	<0.430	90	66.3 - 130	1	20
Isopropylbenzene	46.9	µg/L	1	50.0	<0.521	94	78.3 - 123	1	20
Bromobenzene	44.3	µg/L	1	50.0	<0.494	89	79.9 - 122	1	20
n-Propylbenzene	43.9	µg/L	1	50.0	<0.483	88	72.6 - 122	2	20
1,3,5-Trimethylbenzene	46.4	µg/L	1	50.0	<0.487	93	69.6 - 127	2	20
tert-Butylbenzene	47.9	µg/L	1	50.0	<0.496	96	64 - 129	2	20
1,2,4-Trimethylbenzene	47.2	µg/L	1	50.0	<0.532	94	71 - 123	1	20
1,4-Dichlorobenzene (para)	46.6	µg/L	1	50.0	<0.413	93	74 - 118	2	20
sec-Butylbenzene	46.2	µg/L	1	50.0	<0.449	92	59.8 - 129	2	20
1,3-Dichlorobenzene (meta)	48.0	µg/L	1	50.0	<0.451	96	80.2 - 119	1	20
p-Isopropyltoluene	48.1	µg/L	1	50.0	<0.450	96	54.8 - 135	0	20
4-Chlorotoluene	45.9	µg/L	1	50.0	<0.489	92	78.9 - 124	2	20
1,2-Dichlorobenzene (ortho)	49.4	µg/L	1	50.0	<0.438	99	80 - 120	1	20
n-Butylbenzene	46.4	µg/L	1	50.0	<0.461	93	51.1 - 136	1	20
1,2-Dibromo-3-chloropropane	51.9	µg/L	1	50.0	<0.532	104	38.2 - 151	4	20
1,2,3-Trichlorobenzene	63.7	µg/L	1	50.0	<0.288	127	25.4 - 158	7	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2,4-Trichlorobenzene	56.4	μg/L	1	50.0	<0.273	113	38.2 - 140	3	20
Naphthalene	66.6	μg/L	1	50.0	<0.299	133	33.3 - 152	7	20
Hexachlorobutadiene	54.0	μg/L	1	50.0	<0.483	108	49.1 - 134	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	44.7	45.0	μg/L	1	50.0	89	90	82.4 - 115
Toluene-d8	47.2	47.7	μg/L	1	50.0	94	95	89.7 - 108
4-Bromofluorobenzene (4-BFB)	47.4	47.7	μg/L	1	50.0	95	95	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 39096 Date Analyzed: 2007-07-12 Analyzed By: DS
Prep Batch: 33841 QC Preparation: 2007-07-10 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.0204	mg/L	1	0.0800	0	26	10 - 46.1
2-Chlorophenol	0.0605	mg/L	1	0.0800	0	76	10 - 123
1,4-Dichlorobenzene (para)	0.0547	mg/L	1	0.0800	0	68	10 - 118
N-Nitrosodi-n-propylamine	0.0719	mg/L	1	0.0800	0	90	10 - 132
1,2,4-Trichlorobenzene	0.0649	mg/L	1	0.0800	0	81	10 - 130
Naphthalene	0.0642	mg/L	1	0.0800	0	80	20.3 - 121
4-Chloro-3-methylphenol	0.0525	mg/L	1	0.0800	0	66	10 - 140
Acenaphthylene	0.0747	mg/L	1	0.0800	0	93	22.3 - 124
Acenaphthene	0.0692	mg/L	1	0.0800	0	86	18.8 - 134
Dibenzofuran	0.0745	mg/L	1	0.0800	0	93	37.5 - 102
4-Nitrophenol	0.0213	mg/L	1	0.0800	0	27	10 - 135
2,4-Dinitrotoluene	0.0872	mg/L	1	0.0800	0	109	13.6 - 152
Fluorene	0.0748	mg/L	1	0.0800	0	94	29.7 - 114
Pentachlorophenol	0.0669	mg/L	1	0.0800	0	84	10 - 144
Anthracene	0.0710	mg/L	1	0.0800	0	89	48.2 - 118
Phenanthrene	0.0693	mg/L	1	0.0800	0	87	45.5 - 121
Fluoranthene	0.0767	mg/L	1	0.0800	0	96	42.7 - 126
Pyrene	0.0653	mg/L	1	0.0800	0	82	26.8 - 155
Benzo(a)anthracene	0.0641	mg/L	1	0.0800	0	80	60.2 - 97.3
Chrysene	0.0639	mg/L	1	0.0800	0	80	56 - 92.4
Benzo(b)fluoranthene	0.0635	mg/L	1	0.0800	0	79	73.9 - 102
Benzo(k)fluoranthene	0.0673	mg/L	1	0.0800	0	84	45.6 - 143
Benzo(a)pyrene	0.0731	mg/L	1	0.0800	0	91	54.8 - 122
Indeno(1,2,3-cd)pyrene	0.0810	mg/L	1	0.0800	0	101	61.4 - 118
Dibenzo(a,h)anthracene	0.0796	mg/L	1	0.0800	0	100	64.9 - 118
Benzo(g,h,i)perylene	0.0779	mg/L	1	0.0800	0	97	46.8 - 129

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.0201	mg/L	1	0.0800	0	25	10 - 46.1	2	20
2-Chlorophenol	0.0602	mg/L	1	0.0800	0	75	10 - 123	0	20
1,4-Dichlorobenzene (para)	0.0558	mg/L	1	0.0800	0	70	10 - 118	2	20
N-Nitrosodi-n-propylamine	0.0673	mg/L	1	0.0800	0	84	10 - 132	7	20
1,2,4-Trichlorobenzene	0.0654	mg/L	1	0.0800	0	82	10 - 130	1	20
Naphthalene	0.0646	mg/L	1	0.0800	0	81	20.3 - 121	1	20
4-Chloro-3-methylphenol	0.0558	mg/L	1	0.0800	0	70	10 - 140	6	20
Acenaphthylene	0.0738	mg/L	1	0.0800	0	92	22.3 - 124	1	20
Acenaphthene	0.0688	mg/L	1	0.0800	0	86	18.8 - 134	1	20
Dibenzofuran	0.0740	mg/L	1	0.0800	0	92	37.5 - 102	1	20
4-Nitrophenol	0.0188	mg/L	1	0.0800	0	24	10 - 135	12	20
2,4-Dinitrotoluene	0.0819	mg/L	1	0.0800	0	102	13.6 - 152	6	20
Fluorene	0.0748	mg/L	1	0.0800	0	94	29.7 - 114	0	20
Pentachlorophenol	0.0623	mg/L	1	0.0800	0	78	10 - 144	7	20
Anthracene	0.0709	mg/L	1	0.0800	0	89	48.2 - 118	0	20
Phenanthrene	0.0697	mg/L	1	0.0800	0	87	45.5 - 121	1	20
Fluoranthene	0.0747	mg/L	1	0.0800	0	93	42.7 - 126	3	20
Pyrene	0.0625	mg/L	1	0.0800	0	78	26.8 - 155	4	20
Benzo(a)anthracene	0.0643	mg/L	1	0.0800	0	80	60.2 - 97.3	0	20
Chrysene	0.0647	mg/L	1	0.0800	0	81	56 - 92.4	1	20
Benzo(b)fluoranthene	0.0692	mg/L	1	0.0800	0	86	73.9 - 102	9	20
Benzo(k)fluoranthene	0.0701	mg/L	1	0.0800	0	88	45.6 - 143	4	20
Benzo(a)pyrene	0.0773	mg/L	1	0.0800	0	97	54.8 - 122	6	20
Indeno(1,2,3-cd)pyrene	0.0842	mg/L	1	0.0800	0	105	61.4 - 118	4	20
Dibenzo(a,h)anthracene	0.0819	mg/L	1	0.0800	0	102	64.9 - 118	3	20
Benzo(g,h,i)perylene	0.0801	mg/L	1	0.0800	0	100	46.8 - 129	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0326	0.0318	mg/L	1	0.0800	41	40	10 - 109
Phenol-d5	0.0216	0.0215	mg/L	1	0.0800	27	27	10 - 61.5
Nitrobenzene-d5	0.0747	0.0743	mg/L	1	0.0800	93	93	10 - 139
2-Fluorobiphenyl	0.0819	0.0792	mg/L	1	0.0800	102	99	10 - 139
2,4,6-Tribromophenol	0.0997	0.0979	mg/L	1	0.0800	125	122	10 - 161
Terphenyl-d14	0.0780	0.0742	mg/L	1	0.0800	98	93	10 - 144

Matrix Spike (MS-1) Spiked Sample: 129305

QC Batch:	38894	Date Analyzed:	2007-07-10	Analyzed By:	TG
Prep Batch:	33661	QC Preparation:	2007-07-09	Prepared By:	TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	22.8	mg/L	1	25.0	<1.06	91	61.9 - 112.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	24.0	mg/L	1	25.0	<1.06	96	61.9 - 112.2	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	20.4	21.0	mg/L	1	15	136	140	40.7 - 174

Matrix Spike (MS-1) Spiked Sample: 129305

QC Batch: 38997 Date Analyzed: 2007-07-10 Analyzed By: JG
Prep Batch: 33754 QC Preparation: 2007-07-10 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	52.1	µg/L	1	50.0	<0.0699	104	82.5 - 118
Dichlorodifluoromethane	44.8	µg/L	1	50.0	<0.0598	90	46.8 - 125
Chloromethane (methyl chloride)	48.5	µg/L	1	50.0	<0.230	97	67.1 - 127
Vinyl Chloride	48.6	µg/L	1	50.0	<0.0902	97	63.7 - 129
Bromomethane (methyl bromide)	50.6	µg/L	1	50.0	<0.740	101	65.7 - 127
Chloroethane	50.7	µg/L	1	50.0	<0.195	101	69.9 - 131
Trichlorofluoromethane	52.4	µg/L	1	50.0	<0.160	105	60.2 - 134
Acetone	49.1	µg/L	1	50.0	<0.854	98	12.1 - 136
Iodomethane (methyl iodide)	50.1	µg/L	1	50.0	<0.112	100	75.7 - 115
Carbon Disulfide	50.3	µg/L	1	50.0	<0.0764	101	67.6 - 131
Acrylonitrile	54.5	µg/L	1	50.0	<0.184	109	79.9 - 131
2-Butanone (MEK)	50.5	µg/L	1	50.0	<0.394	101	28.7 - 137
4-Methyl-2-pentanone (MIBK)	52.9	µg/L	1	50.0	<0.484	106	77.1 - 122
2-Hexanone	53.8	µg/L	1	50.0	<0.0975	108	42.3 - 145
trans 1,4-Dichloro-2-butene	45.9	µg/L	1	50.0	<0.421	92	38.5 - 122
1,1-Dichloroethene	50.0	µg/L	1	50.0	<0.0736	100	78.7 - 119
Methylene chloride	48.7	µg/L	1	50.0	<0.689	97	64.9 - 121
MTBE	52.2	µg/L	1	50.0	<0.0504	104	46.6 - 162
trans-1,2-Dichloroethene	50.6	µg/L	1	50.0	<0.0598	101	75.1 - 119
1,1-Dichloroethane	51.1	µg/L	1	50.0	<0.0299	102	86.3 - 119
cis-1,2-Dichloroethene	51.4	µg/L	1	50.0	<0.101	103	82.6 - 116
2,2-Dichloropropane	31.9	µg/L	1	50.0	<0.0665	64	7.8 - 109
1,2-Dichloroethane (EDC)	51.7	µg/L	1	50.0	<0.0557	103	82.7 - 130
Chloroform	51.4	µg/L	1	50.0	<0.0475	103	83.6 - 119
1,1,1-Trichloroethane	50.6	µg/L	1	50.0	<0.0846	101	69.6 - 126
1,1-Dichloropropene	50.1	µg/L	1	50.0	<0.0423	100	79.2 - 121
Benzene	50.6	µg/L	1	50.0	<0.0495	101	75.8 - 125
Carbon Tetrachloride	50.8	µg/L	1	50.0	<0.121	102	58.7 - 143
1,2-Dichloropropane	51.2	µg/L	1	50.0	<0.0933	102	88.4 - 117
Trichloroethene (TCE)	49.4	µg/L	1	50.0	<0.0495	99	83.6 - 112
Dibromomethane (methylene bromide)	50.7	µg/L	1	50.0	<0.0640	101	90.7 - 117
Bromodichloromethane	50.8	µg/L	1	50.0	<0.0651	102	83.4 - 127
2-Chloroethyl vinyl ether	51.9	µg/L	1	50.0	<0.0905	104	10 - 211
cis-1,3-Dichloropropene	49.2	µg/L	1	50.0	<0.0640	98	78.6 - 113
trans-1,3-Dichloropropene	49.5	µg/L	1	50.0	<0.0504	99	81.8 - 113
Toluene	47.8	µg/L	1	50.0	<0.0736	96	81.6 - 115

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1,2-Trichloroethane	49.9	µg/L	1	50.0	<0.106	100	83.2 - 122
1,3-Dichloropropane	49.1	µg/L	1	50.0	<0.0625	98	87.3 - 123
Dibromochloromethane	51.5	µg/L	1	50.0	<0.0791	103	81.4 - 130
1,2-Dibromoethane (EDB)	51.1	µg/L	1	50.0	<0.0460	102	91.4 - 118
Tetrachloroethene (PCE) [3]	155	µg/L	1	50.0	<0.0696	310	51.8 - 111
Chlorobenzene	47.8	µg/L	1	50.0	<0.0217	96	83.9 - 113
1,1,1,2-Tetrachloroethane	51.5	µg/L	1	50.0	<0.125	103	79.5 - 127
Ethylbenzene	49.8	µg/L	1	50.0	<0.0566	100	75.4 - 121
m,p-Xylene	101	µg/L	1	100	<0.0363	101	74 - 124
Bromoform	54.2	µg/L	1	50.0	<0.0859	108	77.5 - 134
Styrene	52.7	µg/L	1	50.0	<0.0394	105	10 - 180
o-Xylene	51.6	µg/L	1	50.0	<0.0504	103	75.4 - 126
1,1,2,2-Tetrachloroethane	50.6	µg/L	1	50.0	<0.0672	101	86.4 - 122
2-Chlorotoluene	48.4	µg/L	1	50.0	<0.0283	97	69.2 - 128
1,2,3-Trichloropropane	47.8	µg/L	1	50.0	<0.0679	96	75.8 - 121
Isopropylbenzene	48.7	µg/L	1	50.0	<0.0406	97	69.6 - 127
Bromobenzene	48.4	µg/L	1	50.0	<0.103	97	77.1 - 125
n-Propylbenzene	47.6	µg/L	1	50.0	<0.0423	95	67.1 - 125
1,3,5-Trimethylbenzene	48.3	µg/L	1	50.0	<0.0557	97	66.1 - 126
tert-Butylbenzene	48.8	µg/L	1	50.0	<0.0770	98	63.9 - 126
1,2,4-Trimethylbenzene	49.3	µg/L	1	50.0	<0.0336	99	65 - 123
1,4-Dichlorobenzene (para)	46.4	µg/L	1	50.0	<0.0672	93	66.7 - 119
sec-Butylbenzene	47.4	µg/L	1	50.0	<0.0439	95	57.6 - 127
1,3-Dichlorobenzene (meta)	48.1	µg/L	1	50.0	<0.0672	96	78.8 - 118
p-Isopropyltoluene	47.8	µg/L	1	50.0	<0.0513	96	56.6 - 128
4-Chlorotoluene	48.7	µg/L	1	50.0	<0.0460	97	74 - 127
1,2-Dichlorobenzene (ortho)	49.2	µg/L	1	50.0	<0.0629	98	81.2 - 119
n-Butylbenzene	46.7	µg/L	1	50.0	<0.0400	93	50.4 - 130
1,2-Dibromo-3-chloropropane	50.2	µg/L	1	50.0	<0.538	100	55.7 - 152
1,2,3-Trichlorobenzene	50.8	µg/L	1	50.0	<0.504	102	32.6 - 149
1,2,4-Trichlorobenzene	47.9	µg/L	1	50.0	<0.166	96	35.8 - 144
Naphthalene	51.3	µg/L	1	50.0	<0.417	103	36.7 - 156
Hexachlorobutadiene	42.1	µg/L	1	50.0	<0.176	84	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	52.0	µg/L	1	50.0	<0.0699	104	82.5 - 118	0	20
Dichlorodifluoromethane	46.6	µg/L	1	50.0	<0.0598	93	46.8 - 125	4	20
Chloromethane (methyl chloride)	49.8	µg/L	1	50.0	<0.230	100	67.1 - 127	3	20
Vinyl Chloride	50.1	µg/L	1	50.0	<0.0902	100	63.7 - 129	3	20
Bromomethane (methyl bromide)	49.7	µg/L	1	50.0	<0.740	99	65.7 - 127	2	20
Chloroethane	48.9	µg/L	1	50.0	<0.195	98	69.9 - 131	4	20
Trichlorofluoromethane	52.5	µg/L	1	50.0	<0.160	105	60.2 - 134	0	20
Acetone	49.1	µg/L	1	50.0	<0.854	98	12.1 - 136	0	20
Iodomethane (methyl iodide)	50.2	µg/L	1	50.0	<0.112	100	75.7 - 115	0	20
Carbon Disulfide	50.2	µg/L	1	50.0	<0.0764	100	67.6 - 131	0	20
Acrylonitrile	54.2	µg/L	1	50.0	<0.184	108	79.9 - 131	1	20
2-Butanone (MEK)	51.8	µg/L	1	50.0	<0.394	104	28.7 - 137	2	20

continued . . .

[3]Spike recovery out of control due to carryover. LCS/LCSD show analysis to be in control. •

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	52.6	µg/L	1	50.0	<0.484	105	77.1 - 122	1	20
2-Hexanone	53.8	µg/L	1	50.0	<0.0975	108	42.3 - 145	0	20
trans 1,4-Dichloro-2-butene	45.0	µg/L	1	50.0	<0.421	90	38.5 - 122	2	20
1,1-Dichloroethene	49.9	µg/L	1	50.0	<0.0736	100	78.7 - 119	0	20
Methylene chloride	48.7	µg/L	1	50.0	<0.689	97	64.9 - 121	0	20
MTBE	52.2	µg/L	1	50.0	<0.0504	104	46.6 - 162	0	20
trans-1,2-Dichloroethene	50.4	µg/L	1	50.0	<0.0598	101	75.1 - 119	0	20
1,1-Dichloroethane	51.4	µg/L	1	50.0	<0.0299	103	86.3 - 119	1	20
cis-1,2-Dichloroethene	51.5	µg/L	1	50.0	<0.101	103	82.6 - 116	0	20
2,2-Dichloropropane	31.3	µg/L	1	50.0	<0.0665	63	7.8 - 109	2	20
1,2-Dichloroethane (EDC)	50.8	µg/L	1	50.0	<0.0557	102	82.7 - 130	2	20
Chloroform	51.2	µg/L	1	50.0	<0.0475	102	83.6 - 119	0	20
1,1,1-Trichloroethane	50.7	µg/L	1	50.0	<0.0846	101	69.6 - 126	0	20
1,1-Dichloropropene	51.3	µg/L	1	50.0	<0.0423	103	79.2 - 121	2	20
Benzene	51.0	µg/L	1	50.0	<0.0495	102	75.8 - 125	1	20
Carbon Tetrachloride	51.5	µg/L	1	50.0	<0.121	103	58.7 - 143	1	20
1,2-Dichloropropane	51.9	µg/L	1	50.0	<0.0933	104	88.4 - 117	1	20
Trichloroethene (TCE)	51.1	µg/L	1	50.0	<0.0495	102	83.6 - 112	3	20
Dibromomethane (methylene bromide)	51.4	µg/L	1	50.0	<0.0640	103	90.7 - 117	1	20
Bromodichloromethane	52.1	µg/L	1	50.0	<0.0651	104	83.4 - 127	2	20
2-Chloroethyl vinyl ether	52.6	µg/L	1	50.0	<0.0905	105	10 - 211	1	20
cis-1,3-Dichloropropene	50.0	µg/L	1	50.0	<0.0640	100	78.6 - 113	2	20
trans-1,3-Dichloropropene	49.9	µg/L	1	50.0	<0.0504	100	81.8 - 113	1	20
Toluene	48.4	µg/L	1	50.0	<0.0736	97	81.6 - 115	1	20
1,1,2-Trichloroethane	50.6	µg/L	1	50.0	<0.106	101	83.2 - 122	1	20
1,3-Dichloropropane	51.3	µg/L	1	50.0	<0.0625	103	87.3 - 123	4	20
Dibromochloromethane	52.7	µg/L	1	50.0	<0.0791	105	81.4 - 130	2	20
1,2-Dibromoethane (EDB)	52.4	µg/L	1	50.0	<0.0460	105	91.4 - 118	2	20
Tetrachloroethene (PCE) [4]	82.7	µg/L	1	50.0	<0.0696	165	51.8 - 111	61	20
Chlorobenzene	48.6	µg/L	1	50.0	<0.0217	97	83.9 - 113	2	20
1,1,1,2-Tetrachloroethane	52.3	µg/L	1	50.0	<0.125	105	79.5 - 127	2	20
Ethylbenzene	50.6	µg/L	1	50.0	<0.0566	101	75.4 - 121	2	20
m,p-Xylene	101	µg/L	1	100	<0.0363	101	74 - 124	0	20
Bromoform	55.1	µg/L	1	50.0	<0.0859	110	77.5 - 134	2	20
Styrene	53.2	µg/L	1	50.0	<0.0394	106	10 - 180	1	20
o-Xylene	51.8	µg/L	1	50.0	<0.0504	104	75.4 - 126	0	20
1,1,2,2-Tetrachloroethane	51.5	µg/L	1	50.0	<0.0672	103	86.4 - 122	2	20
2-Chlorotoluene	49.4	µg/L	1	50.0	<0.0283	99	69.2 - 128	2	20
1,2,3-Trichloropropane	49.1	µg/L	1	50.0	<0.0679	98	75.8 - 121	3	20
Isopropylbenzene	50.0	µg/L	1	50.0	<0.0406	100	69.6 - 127	3	20
Bromobenzene	49.6	µg/L	1	50.0	<0.103	99	77.1 - 125	2	20
n-Propylbenzene	48.6	µg/L	1	50.0	<0.0423	97	67.1 - 125	2	20
1,3,5-Trimethylbenzene	49.1	µg/L	1	50.0	<0.0557	98	66.1 - 126	2	20
tert-Butylbenzene	49.8	µg/L	1	50.0	<0.0770	100	63.9 - 126	2	20
1,2,4-Trimethylbenzene	50.3	µg/L	1	50.0	<0.0336	101	65 - 123	2	20
1,4-Dichlorobenzene (para)	47.4	µg/L	1	50.0	<0.0672	95	66.7 - 119	2	20
sec-Butylbenzene	48.8	µg/L	1	50.0	<0.0439	98	57.6 - 127	3	20
1,3-Dichlorobenzene (meta)	49.1	µg/L	1	50.0	<0.0672	98	78.8 - 118	2	20
p-Isopropyltoluene	49.1	µg/L	1	50.0	<0.0513	98	56.6 - 128	3	20

continued ...

[4] Spike recovery out of control due to carryover. LCS/LCSD show analysis to be in control. •

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
4-Chlorotoluene	49.7	µg/L	1	50.0	<0.0460	99	74 - 127	2	20
1,2-Dichlorobenzene (ortho)	50.2	µg/L	1	50.0	<0.0629	100	81.2 - 119	2	20
n-Butylbenzene	48.1	µg/L	1	50.0	<0.0400	96	50.4 - 130	3	20
1,2-Dibromo-3-chloropropane	53.4	µg/L	1	50.0	<0.538	107	55.7 - 152	6	20
1,2,3-Trichlorobenzene	57.9	µg/L	1	50.0	<0.504	116	32.6 - 149	13	20
1,2,4-Trichlorobenzene	50.8	µg/L	1	50.0	<0.166	102	35.8 - 144	6	20
Naphthalene	61.5	µg/L	1	50.0	<0.417	123	36.7 - 156	18	20
Hexachlorobutadiene	45.1	µg/L	1	50.0	<0.176	90	39.6 - 125	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	52.2	51.8	µg/L	1	50	104	104	86.6 - 114
Toluene-d8	50.1	50.2	µg/L	1	50	100	100	91 - 109
4-Bromofluorobenzene (4-BFB)	50.0	50.6	µg/L	1	50	100	101	87.2 - 113

Standard (ICV-1)

QC Batch: 38894 Date Analyzed: 2007-07-10 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	280	112	85 - 115	2007-07-10

Standard (CCV-1)

QC Batch: 38894 Date Analyzed: 2007-07-10 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	277	111	85 - 115	2007-07-10

Standard (CCV-1)

QC Batch: 38992 Date Analyzed: 2007-07-11 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	53.1	106	70 - 130	2007-07-11
Dichlorodifluoromethane		µg/L	50.0	47.7	95	70 - 130	2007-07-11
Chloromethane (methyl chloride)		µg/L	50.0	49.9	100	70 - 130	2007-07-11
Vinyl Chloride		µg/L	50.0	50.8	102	80 - 120	2007-07-11
Bromomethane (methyl bromide)		µg/L	50.0	53.4	107	70 - 130	2007-07-11
Chloroethane		µg/L	50.0	53.2	106	70 - 130	2007-07-11
Trichlorofluoromethane		µg/L	50.0	55.4	111	70 - 130	2007-07-11

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Acetone	[5]	µg/L	50.0	82.6	165	70 - 130	2007-07-11
Iodomethane (methyl iodide)		µg/L	50.0	51.6	103	70 - 130	2007-07-11
Carbon Disulfide		µg/L	50.0	52.0	104	70 - 130	2007-07-11
Acrylonitrile		µg/L	50.0	55.8	112	70 - 130	2007-07-11
2-Butanone (MEK)		µg/L	50.0	59.6	119	70 - 130	2007-07-11
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	54.4	109	70 - 130	2007-07-11
2-Hexanone	[6]	µg/L	50.0	66.4	133	70 - 130	2007-07-11
trans 1,4-Dichloro-2-butene		µg/L	50.0	58.3	117	70 - 130	2007-07-11
1,1-Dichloroethene		µg/L	50.0	51.2	102	80 - 120	2007-07-11
Methylene chloride		µg/L	50.0	51.5	103	70 - 130	2007-07-11
MTBE		µg/L	50.0	52.8	106	70 - 130	2007-07-11
trans-1,2-Dichloroethene		µg/L	50.0	51.1	102	70 - 130	2007-07-11
1,1-Dichloroethane		µg/L	50.0	52.0	104	70 - 130	2007-07-11
cis-1,2-Dichloroethene		µg/L	50.0	52.5	105	70 - 130	2007-07-11
2,2-Dichloropropane		µg/L	50.0	56.6	113	70 - 130	2007-07-11
1,2-Dichloroethane (EDC)		µg/L	50.0	54.1	108	70 - 130	2007-07-11
Chloroform		µg/L	50.0	52.8	106	80 - 120	2007-07-11
1,1,1-Trichloroethane		µg/L	50.0	51.9	104	70 - 130	2007-07-11
1,1-Dichloropropene		µg/L	50.0	51.2	102	70 - 130	2007-07-11
Benzene		µg/L	50.0	51.3	103	70 - 130	2007-07-11
Carbon Tetrachloride		µg/L	50.0	53.3	107	70 - 130	2007-07-11
1,2-Dichloropropane		µg/L	50.0	53.0	106	80 - 120	2007-07-11
Trichloroethene (TCE)		µg/L	50.0	49.7	99	70 - 130	2007-07-11
Dibromomethane (methylene bromide)		µg/L	50.0	52.5	105	70 - 130	2007-07-11
Bromodichloromethane		µg/L	50.0	52.7	105	70 - 130	2007-07-11
2-Chloroethyl vinyl ether		µg/L	50.0	53.7	107	70 - 130	2007-07-11
cis-1,3-Dichloropropene		µg/L	50.0	53.8	108	70 - 130	2007-07-11
trans-1,3-Dichloropropene		µg/L	50.0	55.5	111	70 - 130	2007-07-11
Toluene		µg/L	50.0	49.8	100	80 - 120	2007-07-11
1,1,2-Trichloroethane		µg/L	50.0	50.1	100	70 - 130	2007-07-11
1,3-Dichloropropane		µg/L	50.0	51.1	102	70 - 130	2007-07-11
Dibromochloromethane		µg/L	50.0	51.9	104	70 - 130	2007-07-11
1,2-Dibromoethane (EDB)		µg/L	50.0	51.5	103	70 - 130	2007-07-11
Tetrachloroethene (PCE)		µg/L	50.0	49.0	98	70 - 130	2007-07-11
Chlorobenzene		µg/L	50.0	48.4	97	80 - 120	2007-07-11
1,1,1,2-Tetrachloroethane		µg/L	50.0	52.6	105	70 - 130	2007-07-11
Ethylbenzene		µg/L	50.0	51.0	102	80 - 120	2007-07-11
m,p-Xylene		µg/L	100	103	103	70 - 130	2007-07-11
Bromoform		µg/L	50.0	55.6	111	70 - 130	2007-07-11
Styrene		µg/L	50.0	54.2	108	70 - 130	2007-07-11
o-Xylene		µg/L	50.0	52.9	106	70 - 130	2007-07-11
1,1,2,2-Tetrachloroethane		µg/L	50.0	53.2	106	70 - 130	2007-07-11
2-Chlorotoluene		µg/L	50.0	47.7	95	70 - 130	2007-07-11
1,2,3-Trichloropropane		µg/L	50.0	48.2	96	70 - 130	2007-07-11
Isopropylbenzene		µg/L	50.0	47.2	94	70 - 130	2007-07-11

continued ...

[5] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 106 which is within acceptable range. This is acceptable by Method 8000.

[6] 2-Hexanone outside of control limits on CCV(ICV). CCV(ICV) component average is 106 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromobenzene		µg/L	50.0	47.4	95	70 - 130	2007-07-11
n-Propylbenzene		µg/L	50.0	47.1	94	70 - 130	2007-07-11
1,3,5-Trimethylbenzene		µg/L	50.0	48.3	97	70 - 130	2007-07-11
tert-Butylbenzene		µg/L	50.0	47.9	96	70 - 130	2007-07-11
1,2,4-Trimethylbenzene		µg/L	50.0	49.6	99	70 - 130	2007-07-11
1,4-Dichlorobenzene (para)		µg/L	50.0	47.0	94	70 - 130	2007-07-11
sec-Butylbenzene		µg/L	50.0	48.4	97	70 - 130	2007-07-11
1,3-Dichlorobenzene (meta)		µg/L	50.0	48.5	97	70 - 130	2007-07-11
p-Isopropyltoluene		µg/L	50.0	49.4	99	70 - 130	2007-07-11
4-Chlorotoluene		µg/L	50.0	47.5	95	70 - 130	2007-07-11
1,2-Dichlorobenzene (ortho)		µg/L	50.0	49.8	100	70 - 130	2007-07-11
n-Butylbenzene		µg/L	50.0	50.7	101	70 - 130	2007-07-11
1,2-Dibromo-3-chloropropane		µg/L	50.0	52.9	106	70 - 130	2007-07-11
1,2,3-Trichlorobenzene		µg/L	50.0	53.4	107	70 - 130	2007-07-11
1,2,4-Trichlorobenzene		µg/L	50.0	50.2	100	70 - 130	2007-07-11
Naphthalene		µg/L	50.0	55.9	112	70 - 130	2007-07-11
Hexachlorobutadiene		µg/L	50.0	43.4	87	70 - 130	2007-07-11

Standard (CCV-1)

QC Batch: 38997 Date Analyzed: 2007-07-10 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	46.0	92	70 - 130	2007-07-10
Dichlorodifluoromethane		µg/L	50.0	43.4	87	70 - 130	2007-07-10
Chloromethane (methyl chloride)		µg/L	50.0	38.0	76	70 - 130	2007-07-10
Vinyl Chloride		µg/L	50.0	40.2	80	80 - 120	2007-07-10
Bromomethane (methyl bromide)	[7]	µg/L	50.0	22.6	45	70 - 130	2007-07-10
Chloroethane	[8]	µg/L	50.0	29.2	58	70 - 130	2007-07-10
Trichlorofluoromethane		µg/L	50.0	44.1	88	70 - 130	2007-07-10
Acetone	[9]	µg/L	50.0	24.2	48	70 - 130	2007-07-10
Iodomethane (methyl iodide)		µg/L	50.0	48.6	97	70 - 130	2007-07-10
Carbon Disulfide		µg/L	50.0	42.1	84	70 - 130	2007-07-10
Acrylonitrile		µg/L	50.0	41.4	83	70 - 130	2007-07-10
2-Butanone (MEK)		µg/L	50.0	36.2	72	70 - 130	2007-07-10
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	46.8	94	70 - 130	2007-07-10
2-Hexanone		µg/L	50.0	37.0	74	70 - 130	2007-07-10
trans 1,4-Dichloro-2-butene		µg/L	50.0	42.2	84	70 - 130	2007-07-10
1,1-Dichloroethene		µg/L	50.0	44.8	90	80 - 120	2007-07-10
Methylene chloride		µg/L	50.0	42.4	85	70 - 130	2007-07-10
MTBE		µg/L	50.0	43.4	87	70 - 130	2007-07-10

continued ...

[7] Bromomethane outside of control limits on CCV(ICV). CCV(ICV) component average is 89 which is within acceptable range. This is acceptable by Method 8000.

[8] Chloroethane outside of control limits on CCV(ICV). CCV(ICV) component average is 89 which is within acceptable range. This is acceptable by Method 8000.

[9] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 89 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
trans-1,2-Dichloroethene		µg/L	50.0	43.6	87	70 - 130	2007-07-10
1,1-Dichloroethane		µg/L	50.0	41.0	82	70 - 130	2007-07-10
cis-1,2-Dichloroethene		µg/L	50.0	44.6	89	70 - 130	2007-07-10
2,2-Dichloropropane		µg/L	50.0	45.4	91	70 - 130	2007-07-10
1,2-Dichloroethane (EDC)		µg/L	50.0	38.0	76	70 - 130	2007-07-10
Chloroform		µg/L	50.0	40.9	82	80 - 120	2007-07-10
1,1,1-Trichloroethane		µg/L	50.0	41.6	83	70 - 130	2007-07-10
1,1-Dichloropropene		µg/L	50.0	44.4	89	70 - 130	2007-07-10
Benzene		µg/L	50.0	44.6	89	70 - 130	2007-07-10
Carbon Tetrachloride		µg/L	50.0	42.5	85	70 - 130	2007-07-10
1,2-Dichloropropane		µg/L	50.0	43.9	88	80 - 120	2007-07-10
Trichloroethene (TCE)		µg/L	50.0	49.3	99	70 - 130	2007-07-10
Dibromomethane (methylene bromide)		µg/L	50.0	44.8	90	70 - 130	2007-07-10
Bromodichloromethane		µg/L	50.0	43.2	86	70 - 130	2007-07-10
2-Chloroethyl vinyl ether		µg/L	50.0	44.5	89	70 - 130	2007-07-10
cis-1,3-Dichloropropene		µg/L	50.0	46.9	94	70 - 130	2007-07-10
trans-1,3-Dichloropropene		µg/L	50.0	46.0	92	70 - 130	2007-07-10
Toluene		µg/L	50.0	43.2	86	80 - 120	2007-07-10
1,1,2-Trichloroethane		µg/L	50.0	44.1	88	70 - 130	2007-07-10
1,3-Dichloropropane		µg/L	50.0	43.0	86	70 - 130	2007-07-10
Dibromochloromethane		µg/L	50.0	46.1	92	70 - 130	2007-07-10
1,2-Dibromoethane (EDB)		µg/L	50.0	48.5	97	70 - 130	2007-07-10
Tetrachloroethene (PCE)		µg/L	50.0	48.4	97	70 - 130	2007-07-10
Chlorobenzene		µg/L	50.0	45.5	91	80 - 120	2007-07-10
1,1,1,2-Tetrachloroethane		µg/L	50.0	45.9	92	70 - 130	2007-07-10
Ethylbenzene		µg/L	50.0	44.4	89	80 - 120	2007-07-10
m,p-Xylene		µg/L	100	89.0	89	70 - 130	2007-07-10
Bromoform		µg/L	50.0	46.6	93	70 - 130	2007-07-10
Styrene		µg/L	50.0	49.5	99	70 - 130	2007-07-10
o-Xylene		µg/L	50.0	45.8	92	70 - 130	2007-07-10
1,1,2,2-Tetrachloroethane		µg/L	50.0	43.6	87	70 - 130	2007-07-10
2-Chlorotoluene		µg/L	50.0	42.9	86	70 - 130	2007-07-10
1,2,3-Trichloropropane		µg/L	50.0	41.7	83	70 - 130	2007-07-10
Isopropylbenzene		µg/L	50.0	45.3	91	70 - 130	2007-07-10
Bromobenzene		µg/L	50.0	42.5	85	70 - 130	2007-07-10
n-Propylbenzene		µg/L	50.0	42.4	85	70 - 130	2007-07-10
1,3,5-Trimethylbenzene		µg/L	50.0	45.1	90	70 - 130	2007-07-10
tert-Butylbenzene		µg/L	50.0	46.9	94	70 - 130	2007-07-10
1,2,4-Trimethylbenzene		µg/L	50.0	45.7	91	70 - 130	2007-07-10
1,4-Dichlorobenzene (para)		µg/L	50.0	44.9	90	70 - 130	2007-07-10
sec-Butylbenzene		µg/L	50.0	45.2	90	70 - 130	2007-07-10
1,3-Dichlorobenzene (meta)		µg/L	50.0	46.7	93	70 - 130	2007-07-10
p-Isopropyltoluene		µg/L	50.0	47.8	96	70 - 130	2007-07-10
4-Chlorotoluene		µg/L	50.0	44.4	89	70 - 130	2007-07-10
1,2-Dichlorobenzene (ortho)		µg/L	50.0	47.5	95	70 - 130	2007-07-10
n-Butylbenzene		µg/L	50.0	46.5	93	70 - 130	2007-07-10
1,2-Dibromo-3-chloropropane		µg/L	50.0	42.2	84	70 - 130	2007-07-10
1,2,3-Trichlorobenzene		µg/L	50.0	45.1	90	70 - 130	2007-07-10
1,2,4-Trichlorobenzene		µg/L	50.0	50.4	101	70 - 130	2007-07-10

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Naphthalene		μg/L	50.0	46.6	93	70 - 130	2007-07-10
Hexachlorobutadiene		μg/L	50.0	53.9	108	70 - 130	2007-07-10

Standard (CCV-1)

QC Batch: 39096 Date Analyzed: 2007-07-12 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60.0	60.1	100	80 - 120	2007-07-12
1,4-Dichlorobenzene (para)		mg/L	60.0	58.4	97	80 - 120	2007-07-12
2-Nitrophenol		mg/L	60.0	66.7	111	80 - 120	2007-07-12
2,4-Dichlorophenol		mg/L	60.0	65.8	110	80 - 120	2007-07-12
Hexachlorobutadiene		mg/L	60.0	69.8	116	80 - 120	2007-07-12
4-Chloro-3-methylphenol		mg/L	60.0	59.3	99	80 - 120	2007-07-12
2,4,6-Trichlorophenol		mg/L	60.0	64.8	108	80 - 120	2007-07-12
Acenaphthene		mg/L	60.0	54.7	91	80 - 120	2007-07-12
Diphenylamine		mg/L	60.0	60.0	100	80 - 120	2007-07-12
Pentachlorophenol		mg/L	60.0	66.7	111	80 - 120	2007-07-12
Fluoranthene		mg/L	60.0	61.4	102	80 - 120	2007-07-12
Di-n-octylphthalate		mg/L	60.0	52.8	88	80 - 120	2007-07-12
Benzo(a)pyrene		mg/L	60.0	60.3	100	80 - 120	2007-07-12

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		56.5	mg/L	1	60.0	94	80 - 120
Phenol-d5		57.4	mg/L	1	60.0	96	80 - 120
Nitrobenzene-d5		60.1	mg/L	1	60.0	100	80 - 120
2-Fluorobiphenyl		57.8	mg/L	1	60.0	96	80 - 120
2,4,6-Tribromophenol		67.0	mg/L	1	60.0	112	80 - 120
Terphenyl-d14		60.8	mg/L	1	60.0	101	80 - 120

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WTS

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.: 45

PROJECT NAME: POL ASTs

SAMPLER'S SIGNATURE:

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH DRO	VOCs	SVOCs								REMARKS
7-5-07	1055	0214-CF-001-8.0	Soil	129299	1	X	X	X								
7-5-07	1205	0214-CF-002-5.0	Soil	300	1	X	X	X								
7-5-07	1207	0214-CF-003-6.0	Soil	301	1	X	X	X								
7-5-07	1209	0214-CF-004-6.0	Soil	302	1	X	X	X								
7-5-07	1210	0214-CF-005-11.0	Soil	303	1	X	X	X								
7-5-07	1210	0214-CF-105-11.0	Soil	304	1	X	X	X								
7-5-07	1230	0214-EB-003-0707	Water	305	7	X	X	X								
7-5-07	1230	0214-TB-898-0707	Water	306	2		X									
		Temperature Blank	Water		1											Temperature Blank
7-6-07	1221	0166-CF-002-20.0	Soil	307	1	X	X	X								
7-6-07	0950	0166-CF-001-5.0	Soil	308	1	X	X	X								

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	SAMPLES RECEIVED	17	Bradley T. Davis		
	TOTAL NO. OF CONTAINERS	18	(PRINTED NAME) Bradley T. Davis	(PRINTED NAME)	(PRINTED NAME) Tyler Shackelford
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	✓	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
	GOOD CONDITION/CHILLED	✓	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 10:10 7/7/07
VIA: Fed EX	CONFORMS TO RECORD	✓	SPECIAL INSTRUCTIONS / COMMENTS:	Rush on TPH DRO - 1 day verbal Brad Davis - (305) 993-6890	

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: July 24, 2007

Work Order: 7070808

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
129299	0214-CF-001-8.0	soil	2007-07-05	10:55	2007-07-07
129300	0214-CF-002-5.0	soil	2007-07-05	12:05	2007-07-07
129301	0214-CF-003-6.0	soil	2007-07-05	12:07	2007-07-07
129302	0214-CF-004-6.0	soil	2007-07-05	12:09	2007-07-07
129303	0214-CF-005-11.0	soil	2007-07-05	12:10	2007-07-07
129304	0214-CF-105-11.0	soil	2007-07-05	12:10	2007-07-07
129307	0166-CF-002-20.0	soil	2007-07-06	12:21	2007-07-07
129308	0166-CF-001-5.0	soil	2007-07-06	09:50	2007-07-07

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 53 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-07 and assigned to work order 7070808. Samples for work order 7070808 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C
TPH DRO	Mod. 8015B
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7070808 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 129299 - 0214-CF-001-8.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38961	Date Analyzed:	2007-07-10	Analyzed By:	DS
Prep Batch:	33721	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250

continued ...

sample 129299 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.350	mg/Kg	1	2.67	13	10 - 98.8
Phenol-d5		0.580	mg/Kg	1	2.67	22	10 - 105
Nitrobenzene-d5		0.420	mg/Kg	1	2.67	16	10 - 114
2-Fluorobiphenyl		0.770	mg/Kg	1	2.67	29	10 - 122
2,4,6-Tribromophenol		2.29	mg/Kg	1	2.67	86	10 - 117
Terphenyl-d14		2.33	mg/Kg	1	2.67	87	10 - 116

Sample: 129299 - 0214-CF-001-8.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38891	Date Analyzed:	2007-07-09	Analyzed By:	TG
Prep Batch:	33658	Sample Preparation:	2007-07-09	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		178	mg/Kg	1	150	119	62.5 - 164

Sample: 129299 - 0214-CF-001-8.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38996	Date Analyzed:	2007-07-11	Analyzed By:	JG
Prep Batch:	33753	Sample Preparation:	2007-07-11	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0
Carbon Disulfide		<10.0	μg/Kg	1	10.0
Acrylonitrile		<10.0	μg/Kg	1	10.0
2-Butanone (MEK)		<50.0	μg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	μg/Kg	1	50.0
2-Hexanone		<50.0	μg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	μg/Kg	1	100
1,1-Dichloroethene		<10.0	μg/Kg	1	10.0
Methylene chloride		<50.0	μg/Kg	1	50.0
MTBE		<10.0	μg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
1,1-Dichloroethane		<10.0	μg/Kg	1	10.0

continued ...

sample 129299 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
cis-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
2,2-Dichloropropane		<10.0	μg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	1	10.0
Chloroform		<10.0	μg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	μg/Kg	1	10.0
1,1-Dichloropropene		<10.0	μg/Kg	1	10.0
Benzene		<10.0	μg/Kg	1	10.0
Carbon Tetrachloride		<10.0	μg/Kg	1	10.0
1,2-Dichloropropane		<10.0	μg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	μg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	μg/Kg	1	10.0
Bromodichloromethane		<10.0	μg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	μg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		474	μg/Kg	1	500	95	79.7 - 120
Toluene-d8		500	μg/Kg	1	500	100	86.8 - 107
4-Bromofluorobenzene (4-BFB)		495	μg/Kg	1	500	99	82.5 - 116

Sample: 129300 - 0214-CF-002-5.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38961	Date Analyzed:	2007-07-10	Analyzed By:	DS
Prep Batch:	33721	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250

continued ...

sample 129300 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250

continued . . .

sample 129300 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.510	mg/Kg	1	2.67	19	10 - 98.8
Phenol-d5		0.640	mg/Kg	1	2.67	24	10 - 105
Nitrobenzene-d5		0.620	mg/Kg	1	2.67	23	10 - 114
2-Fluorobiphenyl		0.800	mg/Kg	1	2.67	30	10 - 122
2,4,6-Tribromophenol		2.03	mg/Kg	1	2.67	76	10 - 117
Terphenyl-d14		2.02	mg/Kg	1	2.67	76	10 - 116

Sample: 129300 - 0214-CF-002-5.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38891	Date Analyzed:	2007-07-09	Analyzed By:	TG
Prep Batch:	33658	Sample Preparation:	2007-07-09	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		192	mg/Kg	1	150	128	62.5 - 164

Sample: 129300 - 0214-CF-002-5.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38996	Date Analyzed:	2007-07-11	Analyzed By:	JG
Prep Batch:	33753	Sample Preparation:	2007-07-11	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0

continued . . .

sample 129300 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0

continued . . .

sample 129300 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		468	μg/Kg	1	500	94	79.7 - 120
Toluene-d8		498	μg/Kg	1	500	100	86.8 - 107
4-Bromofluorobenzene (4-BFB)		495	μg/Kg	1	500	99	82.5 - 116

Sample: 129301 - 0214-CF-003-6.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38961	Date Analyzed:	2007-07-10	Analyzed By:	DS
Prep Batch:	33721	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250

continued ...

sample 129301 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250

continued ...

sample 129301 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.940	mg/Kg	1	2.67	35	10 - 98.8
Phenol-d5		1.07	mg/Kg	1	2.67	40	10 - 105
Nitrobenzene-d5		1.21	mg/Kg	1	2.67	45	10 - 114
2-Fluorobiphenyl		1.40	mg/Kg	1	2.67	52	10 - 122
2,4,6-Tribromophenol		2.06	mg/Kg	1	2.67	77	10 - 117
Terphenyl-d14		1.64	mg/Kg	1	2.67	61	10 - 116

Sample: 129301 - 0214-CF-003-6.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38891	Date Analyzed:	2007-07-09	Analyzed By:	TG
Prep Batch:	33658	Sample Preparation:	2007-07-09	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		167	mg/Kg	1	150	111	62.5 - 164

Sample: 129301 - 0214-CF-003-6.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38996	Date Analyzed:	2007-07-11	Analyzed By:	JG
Prep Batch:	33753	Sample Preparation:	2007-07-11	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0

continued . . .

sample 129301 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		474	µg/Kg	1	500	95	79.7 - 120
Toluene-d8		500	µg/Kg	1	500	100	86.8 - 107
4-Bromofluorobenzene (4-BFB)		506	µg/Kg	1	500	101	82.5 - 116

Sample: 129302 - 0214-CF-004-6.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38961	Date Analyzed:	2007-07-10	Analyzed By:	DS
Prep Batch:	33721	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250

continued . . .

sample 129302 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250

continued . . .

sample 129302 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.13	mg/Kg	1	2.67	42	10 - 98.8
Phenol-d5		1.25	mg/Kg	1	2.67	47	10 - 105
Nitrobenzene-d5		1.31	mg/Kg	1	2.67	49	10 - 114
2-Fluorobiphenyl		1.52	mg/Kg	1	2.67	57	10 - 122
2,4,6-Tribromophenol		2.08	mg/Kg	1	2.67	78	10 - 117
Terphenyl-d14		1.78	mg/Kg	1	2.67	67	10 - 116

Sample: 129302 - 0214-CF-004-6.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38891	Date Analyzed:	2007-07-09	Analyzed By:	TG
Prep Batch:	33658	Sample Preparation:	2007-07-09	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		203	mg/Kg	1	150	135	62.5 - 164

Sample: 129302 - 0214-CF-004-6.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38996	Date Analyzed:	2007-07-11	Analyzed By:	JG
Prep Batch:	33753	Sample Preparation:	2007-07-11	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0

continued . . .

sample 129302 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		466	μg/Kg	1	500	93	79.7 - 120
Toluene-d8		504	μg/Kg	1	500	101	86.8 - 107
4-Bromofluorobenzene (4-BFB)		506	μg/Kg	1	500	101	82.5 - 116

Sample: 129303 - 0214-CF-005-11.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38961	Date Analyzed:	2007-07-10	Analyzed By:	DS
Prep Batch:	33721	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250

continued ...

sample 129303 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.950	mg/Kg	1	2.67	36	10 - 98.8
Phenol-d5		1.02	mg/Kg	1	2.67	38	10 - 105
Nitrobenzene-d5		1.09	mg/Kg	1	2.67	41	10 - 114
2-Fluorobiphenyl		1.19	mg/Kg	1	2.67	44	10 - 122

continued . . .

sample continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2,4,6-Tribromophenol		1.67	mg/Kg	1	2.67	62	10 - 117
Terphenyl-d14		1.60	mg/Kg	1	2.67	60	10 - 116

Sample: 129303 - 0214-CF-005-11.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38891	Date Analyzed:	2007-07-09	Analyzed By:	TG
Prep Batch:	33658	Sample Preparation:	2007-07-09	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		178	mg/Kg	1	150	119	62.5 - 164

Sample: 129303 - 0214-CF-005-11.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38996	Date Analyzed:	2007-07-11	Analyzed By:	JG
Prep Batch:	33753	Sample Preparation:	2007-07-11	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0

continued ...

sample 129303 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Chloroform		<10.0	μg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	μg/Kg	1	10.0
1,1-Dichloropropene		<10.0	μg/Kg	1	10.0
Benzene		<10.0	μg/Kg	1	10.0
Carbon Tetrachloride		<10.0	μg/Kg	1	10.0
1,2-Dichloropropane		<10.0	μg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	μg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	μg/Kg	1	10.0
Bromodichloromethane		<10.0	μg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	μg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		461	μg/Kg	1	500	92	79.7 - 120
Toluene-d8		498	μg/Kg	1	500	100	86.8 - 107
4-Bromofluorobenzene (4-BFB)		499	μg/Kg	1	500	100	82.5 - 116

Sample: 129304 - 0214-CF-105-11.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38961	Date Analyzed:	2007-07-10	Analyzed By:	DS
Prep Batch:	33721	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250

continued ...

sample 129304 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250

continued ...

sample 129304 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.930	mg/Kg	1	2.67	35	10 - 98.8
Phenol-d5		1.01	mg/Kg	1	2.67	38	10 - 105
Nitrobenzene-d5		1.07	mg/Kg	1	2.67	40	10 - 114
2-Fluorobiphenyl		1.19	mg/Kg	1	2.67	44	10 - 122
2,4,6-Tribromophenol		1.66	mg/Kg	1	2.67	62	10 - 117
Terphenyl-d14		1.48	mg/Kg	1	2.67	55	10 - 116

Sample: 129304 - 0214-CF-105-11.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38891	Date Analyzed:	2007-07-09	Analyzed By:	TG
Prep Batch:	33658	Sample Preparation:	2007-07-09	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		180	mg/Kg	1	150	120	62.5 - 164

Sample: 129304 - 0214-CF-105-11.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38996	Date Analyzed:	2007-07-11	Analyzed By:	JG
Prep Batch:	33753	Sample Preparation:	2007-07-11	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0

continued . . .

sample 129304 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0

continued . . .

sample 129304 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		472	μg/Kg	1	500	94	79.7 - 120
Toluene-d8		506	μg/Kg	1	500	101	86.8 - 107
4-Bromofluorobenzene (4-BFB)		506	μg/Kg	1	500	101	82.5 - 116

Sample: 129307 - 0166-CF-002-20.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38961	Date Analyzed:	2007-07-10	Analyzed By:	DS
Prep Batch:	33721	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250

continued ...

sample 129307 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250

continued ...

sample 129307 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		**0.566**	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.64	mg/Kg	1	2.67	61	10 - 98.8
Phenol-d5		1.78	mg/Kg	1	2.67	67	10 - 105
Nitrobenzene-d5		2.02	mg/Kg	1	2.67	76	10 - 114
2-Fluorobiphenyl		2.23	mg/Kg	1	2.67	84	10 - 122
2,4,6-Tribromophenol		2.51	mg/Kg	1	2.67	94	10 - 117
Terphenyl-d14		2.02	mg/Kg	1	2.67	76	10 - 116

Sample: 129307 - 0166-CF-002-20.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38891	Date Analyzed:	2007-07-09	Analyzed By:	TG
Prep Batch:	33658	Sample Preparation:	2007-07-09	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		177	mg/Kg	1	150	118	62.5 - 164

Sample: 129307 - 0166-CF-002-20.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38996	Date Analyzed:	2007-07-11	Analyzed By:	JG
Prep Batch:	33753	Sample Preparation:	2007-07-11	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0

continued . . .

sample 129307 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		460	µg/Kg	1	500	92	79.7 - 120
Toluene-d8		499	µg/Kg	1	500	100	86.8 - 107
4-Bromofluorobenzene (4-BFB)		494	µg/Kg	1	500	99	82.5 - 116

Sample: 129308 - 0166-CF-001-5.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38961	Date Analyzed:	2007-07-10	Analyzed By:	DS
Prep Batch:	33721	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250

continued ...

sample 129308 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250

continued ...

sample 129308 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		**2.96**	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.670	mg/Kg	1	2.67	25	10 - 98.8
Phenol-d5		0.760	mg/Kg	1	2.67	28	10 - 105
Nitrobenzene-d5		0.800	mg/Kg	1	2.67	30	10 - 114
2-Fluorobiphenyl		0.910	mg/Kg	1	2.67	34	10 - 122
2,4,6-Tribromophenol		1.58	mg/Kg	1	2.67	59	10 - 117
Terphenyl-d14		1.46	mg/Kg	1	2.67	55	10 - 116

Sample: 129308 - 0166-CF-001-5.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38891	Date Analyzed:	2007-07-09	Analyzed By:	TG
Prep Batch:	33658	Sample Preparation:	2007-07-09	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		161	mg/Kg	1	150	107	62.5 - 164

Sample: 129308 - 0166-CF-001-5.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38996	Date Analyzed:	2007-07-11	Analyzed By:	JG
Prep Batch:	33753	Sample Preparation:	2007-07-11	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0

continued . . .

sample 129308 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		469	µg/Kg	1	500	94	79.7 - 120
Toluene-d8		507	µg/Kg	1	500	101	86.8 - 107
4-Bromofluorobenzene (4-BFB)		504	µg/Kg	1	500	101	82.5 - 116

Method Blank (1) QC Batch: 38891

QC Batch:	38891	Date Analyzed:	2007-07-09	Analyzed By:	TG
Prep Batch:	33658	QC Preparation:	2007-07-09	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		176	mg/Kg	1	150	117	62.5 - 164

Method Blank (1) QC Batch: 38961

QC Batch:	38961	Date Analyzed:	2007-07-10	Analyzed By:	DS
Prep Batch:	33721	QC Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.0665	mg/Kg	0.25
N-Nitrosodimethylamine		<0.0894	mg/Kg	0.25
2-Picoline		<0.0472	mg/Kg	0.25
Methyl methanesulfonate		<0.0754	mg/Kg	0.25
Ethyl methanesulfonate		<0.0943	mg/Kg	0.25
Phenol		<0.0778	mg/Kg	0.25
Aniline		<0.0720	mg/Kg	0.25
bis(2-chloroethyl)ether		<0.0700	mg/Kg	0.25
2-Chlorophenol		<0.0676	mg/Kg	0.25
1,3-Dichlorobenzene (meta)		<0.0631	mg/Kg	0.25
1,4-Dichlorobenzene (para)		<0.0618	mg/Kg	0.25
Benzyl alcohol		<0.107	mg/Kg	0.25
1,2-Dichlorobenzene (ortho)		<0.0658	mg/Kg	0.25
2-Methylphenol		<0.0849	mg/Kg	0.25
bis(2-chloroisopropyl)ether		<0.0812	mg/Kg	0.25
4-Methylphenol / 3-Methylphenol		<0.0918	mg/Kg	0.25
Acetophenone		<0.0709	mg/Kg	0.25
N-Nitrosodi-n-propylamine		<0.106	mg/Kg	0.25
Hexachloroethane		<0.0662	mg/Kg	0.25
Nitrobenzene		<0.0641	mg/Kg	0.25
N-Nitrosopiperidine		<0.0870	mg/Kg	0.25
Isophorone		<0.0794	mg/Kg	0.25
2-Nitrophenol		<0.0653	mg/Kg	0.25
2,4-Dimethylphenol		<0.0745	mg/Kg	0.25
bis(2-chloroethoxy)methane		<0.0774	mg/Kg	0.25
Benzoic acid		<0.0273	mg/Kg	0.25
2,4-Dichlorophenol		<0.0780	mg/Kg	0.25
1,2,4-Trichlorobenzene		<0.0583	mg/Kg	0.25
a,a-Dimethylphenethylamine		<0.0471	mg/Kg	0.25
Naphthalene		<0.0597	mg/Kg	0.25
4-Chloroaniline		<0.0789	mg/Kg	0.25
2,6-Dichlorophenol		<0.0728	mg/Kg	0.25
Hexachlorobutadiene		<0.0528	mg/Kg	0.25
N-Nitroso-di-n-butylamine		<0.0818	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.0610	mg/Kg	0.25
1-Methylnaphthalene		<0.0713	mg/Kg	0.25
2-Methylnaphthalene		<0.0720	mg/Kg	0.25

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,2,4,5-Tetrachlorobenzene		<0.0682	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.0491	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.0648	mg/Kg	0.25
2,4,5-Trichlorophenol		<0.0493	mg/Kg	0.25
2-Chloronaphthalene		<0.0690	mg/Kg	0.25
1-Chloronaphthalene		<0.0621	mg/Kg	0.25
2-Nitroaniline		<0.0500	mg/Kg	0.25
Dimethylphthalate		<0.0505	mg/Kg	0.25
Acenaphthylene		<0.0659	mg/Kg	0.25
2,6-Dinitrotoluene		<0.0488	mg/Kg	0.25
3-Nitroaniline		<0.0492	mg/Kg	0.25
Acenaphthene		<0.0611	mg/Kg	0.25
2,4-Dinitrophenol		<0.0245	mg/Kg	0.25
Dibenzofuran		<0.0639	mg/Kg	0.25
Pentachlorobenzene		<0.0562	mg/Kg	0.25
4-Nitrophenol		<0.0416	mg/Kg	0.25
1-Naphthylamine		<0.0487	mg/Kg	0.25
2,4-Dinitrotoluene		<0.0502	mg/Kg	0.25
2-Naphthylamine		<0.0428	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.0446	mg/Kg	0.25
Fluorene		<0.0520	mg/Kg	0.25
Diethylphthalate		<0.0484	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.0602	mg/Kg	0.25
4-Nitroaniline		<0.0278	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.0375	mg/Kg	0.25
Diphenylamine		<0.0628	mg/Kg	0.25
Diphenylhydrazine		<0.0519	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.0672	mg/Kg	0.25
Phenacetin		<0.0649	mg/Kg	0.25
Hexachlorobenzene		<0.0596	mg/Kg	0.25
4-Aminobiphenyl		<0.0631	mg/Kg	0.25
Pentachlorophenol		<0.0426	mg/Kg	0.25
Pentachloronitrobenzene		<0.0607	mg/Kg	0.25
Pronamide		<0.0702	mg/Kg	0.25
Phenanthrene		<0.0614	mg/Kg	0.25
Anthracene		<0.0648	mg/Kg	0.25
Di-n-butylphthalate		<0.0614	mg/Kg	0.25
Fluoranthene		<0.0636	mg/Kg	0.25
Benzidine		<0.0631	mg/Kg	0.25
Pyrene		<0.0583	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.0544	mg/Kg	0.25
Butylbenzylphthalate		<0.0531	mg/Kg	0.25
Benzo(a)anthracene		<0.0603	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.0570	mg/Kg	0.25
Chrysene		<0.0643	mg/Kg	0.25
bis(2-ethylhexyl)phthalate		<0.0622	mg/Kg	0.25
Di-n-octylphthalate		<0.0514	mg/Kg	0.25
Benzo(b)fluoranthene		<0.0585	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.0582	mg/Kg	0.25
Benzo(k)fluoranthene		<0.0536	mg/Kg	0.25

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Benzo(a)pyrene		<0.0564	mg/Kg	0.25
3-Methylcholanthrene		<0.0571	mg/Kg	0.25
Dibenzo(a,j)acridine		<0.0618	mg/Kg	0.25
Indeno(1,2,3-cd)pyrene		<0.0576	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.0543	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.0631	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.31	mg/Kg	1	2.67	49	10 - 98.8
Phenol-d5		1.45	mg/Kg	1	2.67	54	10 - 105
Nitrobenzene-d5		1.45	mg/Kg	1	2.67	54	10 - 114
2-Fluorobiphenyl		1.84	mg/Kg	1	2.67	69	10 - 122
2,4,6-Tribromophenol		2.23	mg/Kg	1	2.67	84	10 - 117
Terphenyl-d14		1.89	mg/Kg	1	2.67	71	10 - 116

Method Blank (1) QC Batch: 38996

QC Batch:	38996	Date Analyzed:	2007-07-11	Analyzed By:	JG
Prep Batch:	33753	QC Preparation:	2007-07-11	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<2.06	µg/Kg	10
Dichlorodifluoromethane		<4.16	µg/Kg	10
Chloromethane (methyl chloride)		<2.49	µg/Kg	10
Vinyl Chloride		<2.80	µg/Kg	10
Bromomethane (methyl bromide)		<2.99	µg/Kg	50
Chloroethane		<3.26	µg/Kg	10
Trichlorofluoromethane		<2.49	µg/Kg	10
Acetone		<51.4	µg/Kg	100
Iodomethane (methyl iodide)		<2.41	µg/Kg	50
Carbon Disulfide		<2.12	µg/Kg	10
Acrylonitrile		<2.12	µg/Kg	10
2-Butanone (MEK)		<13.9	µg/Kg	50
4-Methyl-2-pentanone (MIBK)		<3.95	µg/Kg	50
2-Hexanone		<2.13	µg/Kg	50
trans 1,4-Dichloro-2-butene		<2.92	µg/Kg	100
1,1-Dichloroethene		<1.89	µg/Kg	10
Methylene chloride		19.5	µg/Kg	50
MTBE		<1.71	µg/Kg	10
trans-1,2-Dichloroethene		<2.67	µg/Kg	10
1,1-Dichloroethane		<1.76	µg/Kg	10
cis-1,2-Dichloroethene		<2.27	µg/Kg	10
2,2-Dichloropropane		<2.90	µg/Kg	10
1,2-Dichloroethane (EDC)		<1.90	µg/Kg	10
Chloroform		<2.21	µg/Kg	10
1,1,1-Trichloroethane		<2.06	µg/Kg	10
1,1-Dichloropropene		<2.44	µg/Kg	10

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Benzene		<1.51	µg/Kg	10
Carbon Tetrachloride		<2.26	µg/Kg	10
1,2-Dichloropropane		<1.51	µg/Kg	10
Trichloroethene (TCE)		<1.93	µg/Kg	10
Dibromomethane (methylene bromide)		<1.78	µg/Kg	10
Bromodichloromethane		<1.81	µg/Kg	10
2-Chloroethyl vinyl ether		<1.51	µg/Kg	50
cis-1,3-Dichloropropene		<2.32	µg/Kg	10
trans-1,3-Dichloropropene		<2.00	µg/Kg	10
Toluene		<2.02	µg/Kg	10
1,1,2-Trichloroethane		<1.41	µg/Kg	10
1,3-Dichloropropane		<2.28	µg/Kg	10
Dibromochloromethane		<1.65	µg/Kg	10
1,2-Dibromoethane (EDB)		<1.53	µg/Kg	10
Tetrachloroethene (PCE)		<1.27	µg/Kg	10
Chlorobenzene		<2.02	µg/Kg	10
1,1,1,2-Tetrachloroethane		<1.62	µg/Kg	10
Ethylbenzene		<1.96	µg/Kg	10
m,p-Xylene		<3.03	µg/Kg	10
Bromoform		<1.94	µg/Kg	10
Styrene		<1.99	µg/Kg	10
o-Xylene		<2.12	µg/Kg	10
1,1,2,2-Tetrachloroethane		<2.19	µg/Kg	10
2-Chlorotoluene		<3.12	µg/Kg	10
1,2,3-Trichloropropane		<2.84	µg/Kg	10
Isopropylbenzene		<2.52	µg/Kg	10
Bromobenzene		<3.08	µg/Kg	10
n-Propylbenzene		<2.90	µg/Kg	10
1,3,5-Trimethylbenzene		<2.70	µg/Kg	10
tert-Butylbenzene		<3.32	µg/Kg	10
1,2,4-Trimethylbenzene		<3.19	µg/Kg	10
1,4-Dichlorobenzene (para)		<2.46	µg/Kg	10
sec-Butylbenzene		<2.75	µg/Kg	10
1,3-Dichlorobenzene (meta)		<2.44	µg/Kg	10
p-Isopropyltoluene		<2.73	µg/Kg	10
4-Chlorotoluene		<2.72	µg/Kg	10
1,2-Dichlorobenzene (ortho)		<2.22	µg/Kg	10
n-Butylbenzene		2.74	µg/Kg	10
1,2-Dibromo-3-chloropropane		<7.25	µg/Kg	50
1,2,3-Trichlorobenzene		<4.91	µg/Kg	50
1,2,4-Trichlorobenzene		<3.95	µg/Kg	50
Naphthalene		6.64	µg/Kg	50
Hexachlorobutadiene		8.85	µg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		484	µg/Kg	1	500	97	79.7 - 120
Toluene-d8		506	µg/Kg	1	500	101	86.8 - 107
4-Bromofluorobenzene (4-BFB)		496	µg/Kg	1	500	99	82.5 - 116

Laboratory Control Spike (LCS-1)

QC Batch: 38891 Date Analyzed: 2007-07-09 Analyzed By: TG
Prep Batch: 33658 QC Preparation: 2007-07-09 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	286	mg/Kg	1	250	<10.7	114	64.1 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	281	mg/Kg	1	250	<10.7	112	64.1 - 124	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	182	186	mg/Kg	1	150	121	124	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 38961 Date Analyzed: 2007-07-10 Analyzed By: DS
Prep Batch: 33721 QC Preparation: 2007-07-10 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.95	mg/Kg	1	2.67	0	73	10 - 117
2-Chlorophenol	1.91	mg/Kg	1	2.67	0	72	10 - 117
1,4-Dichlorobenzene (para)	1.90	mg/Kg	1	2.67	0	71	10 - 116
N-Nitrosodi-n-propylamine	2.72	mg/Kg	1	2.67	0	102	10 - 121
1,2,4-Trichlorobenzene	2.15	mg/Kg	1	2.67	0	80	10 - 126
Naphthalene	1.95	mg/Kg	1	2.67	0	73	10 - 165
4-Chloro-3-methylphenol	2.14	mg/Kg	1	2.67	0	80	10 - 148
Acenaphthylene	2.33	mg/Kg	1	2.67	0	87	10 - 165
Acenaphthene	2.21	mg/Kg	1	2.67	0	83	10 - 154
Dibenzofuran	2.42	mg/Kg	1	2.67	0	91	10 - 165
4-Nitrophenol	2.33	mg/Kg	1	2.67	0	87	10 - 142
2,4-Dinitrotoluene	2.93	mg/Kg	1	2.67	0	110	10 - 170
Fluorene	2.45	mg/Kg	1	2.67	0	92	10 - 165
Pentachlorophenol	1.54	mg/Kg	1	2.67	0	58	10 - 145
Anthracene	2.52	mg/Kg	1	2.67	0	94	10 - 165
Phenanthrene	2.46	mg/Kg	1	2.67	0	92	10 - 165
Fluoranthene	2.73	mg/Kg	1	2.67	0	102	10 - 165
Pyrene	2.19	mg/Kg	1	2.67	0	82	10 - 227
Benzo(a)anthracene	2.26	mg/Kg	1	2.67	0	85	10 - 165
Chrysene	2.39	mg/Kg	1	2.67	0	90	10 - 165
Benzo(b)fluoranthene	2.30	mg/Kg	1	2.67	0	86	10 - 165
Benzo(k)fluoranthene	2.46	mg/Kg	1	2.67	0	92	10 - 165
Benzo(a)pyrene	2.54	mg/Kg	1	2.67	0	95	10 - 165
Indeno(1,2,3-cd)pyrene	2.67	mg/Kg	1	2.67	0	100	10 - 165
Dibenzo(a,h)anthracene	2.59	mg/Kg	1	2.67	0	97	10 - 165

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzo(g,h,i)perylene	2.60	mg/Kg	1	2.67	0	97	10 - 165

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	1.98	mg/Kg	1	2.67	0	74	10 - 117	2	20
2-Chlorophenol	1.95	mg/Kg	1	2.67	0	73	10 - 117	2	20
1,4-Dichlorobenzene (para)	1.89	mg/Kg	1	2.67	0	71	10 - 116	0	20
N-Nitrosodi-n-propylamine	2.85	mg/Kg	1	2.67	0	107	10 - 121	5	20
1,2,4-Trichlorobenzene	2.20	mg/Kg	1	2.67	0	82	10 - 126	2	20
Naphthalene	1.97	mg/Kg	1	2.67	0	74	10 - 165	1	20
4-Chloro-3-methylphenol	2.08	mg/Kg	1	2.67	0	78	10 - 148	3	20
Acenaphthylene	2.39	mg/Kg	1	2.67	0	90	10 - 165	2	20
Acenaphthene	2.25	mg/Kg	1	2.67	0	84	10 - 154	2	20
Dibenzofuran	2.47	mg/Kg	1	2.67	0	92	10 - 165	2	20
4-Nitrophenol	2.46	mg/Kg	1	2.67	0	92	10 - 142	5	20
2,4-Dinitrotoluene	2.99	mg/Kg	1	2.67	0	112	10 - 170	2	20
Fluorene	2.54	mg/Kg	1	2.67	0	95	10 - 165	4	20
Pentachlorophenol	1.52	mg/Kg	1	2.67	0	57	10 - 145	1	20
Anthracene	2.52	mg/Kg	1	2.67	0	94	10 - 165	0	20
Phenanthrene	2.50	mg/Kg	1	2.67	0	94	10 - 165	2	20
Fluoranthene	2.74	mg/Kg	1	2.67	0	103	10 - 165	0	20
Pyrene	2.18	mg/Kg	1	2.67	0	82	10 - 227	0	20
Benzo(a)anthracene	2.27	mg/Kg	1	2.67	0	85	10 - 165	0	20
Chrysene	2.41	mg/Kg	1	2.67	0	90	10 - 165	1	20
Benzo(b)fluoranthene	2.30	mg/Kg	1	2.67	0	86	10 - 165	0	20
Benzo(k)fluoranthene	2.44	mg/Kg	1	2.67	0	91	10 - 165	1	20
Benzo(a)pyrene	2.54	mg/Kg	1	2.67	0	95	10 - 165	0	20
Indeno(1,2,3-cd)pyrene	2.69	mg/Kg	1	2.67	0	101	10 - 165	1	20
Dibenzo(a,h)anthracene	2.59	mg/Kg	1	2.67	0	97	10 - 165	0	20
Benzo(g,h,i)perylene	2.63	mg/Kg	1	2.67	0	98	10 - 165	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	1.88	1.90	mg/Kg	1	2.67	70	71	10 - 103
Phenol-d5	2.15	2.17	mg/Kg	1	2.67	80	81	10 - 120
Nitrobenzene-d5	2.22	2.24	mg/Kg	1	2.67	83	84	10 - 125
2-Fluorobiphenyl	2.52	2.58	mg/Kg	1	2.67	94	97	10 - 123
2,4,6-Tribromophenol	3.31	3.41	mg/Kg	1	2.67	124	128	14.4 - 145
Terphenyl-d14	2.54	2.53	mg/Kg	1	2.67	95	95	16.3 - 168

Laboratory Control Spike (LCS-1)

QC Batch:	38996	Date Analyzed:	2007-07-11	Analyzed By:	JG
Prep Batch:	33753	QC Preparation:	2007-07-11	Prepared By:	JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	503	µg/Kg	1	500	<0.825	101	85 - 114
Dichlorodifluoromethane	472	µg/Kg	1	500	<0.889	94	57.1 - 129
Chloromethane (methyl chloride)	482	µg/Kg	1	500	<0.929	96	66.7 - 111
Vinyl Chloride	495	µg/Kg	1	500	<0.463	99	66.6 - 116
Bromomethane (methyl bromide)	499	µg/Kg	1	500	<1.71	100	43.4 - 143
Chloroethane	486	µg/Kg	1	500	<3.68	97	44.9 - 135
Trichlorofluoromethane	529	µg/Kg	1	500	<0.306	106	57.6 - 131
Acetone	682	µg/Kg	1	500	<1.70	136	16.7 - 142
Iodomethane (methyl iodide)	502	µg/Kg	1	500	<0.640	100	81.1 - 116
Carbon Disulfide	488	µg/Kg	1	500	<0.346	98	79.7 - 112
Acrylonitrile	510	µg/Kg	1	500	<1.51	102	74.9 - 124
2-Butanone (MEK)	500	µg/Kg	1	500	<3.78	100	50.9 - 124
4-Methyl-2-pentanone (MIBK)	507	µg/Kg	1	500	<7.86	101	71.2 - 134
2-Hexanone	521	µg/Kg	1	500	<5.70	104	43.1 - 135
trans 1,4-Dichloro-2-butene	448	µg/Kg	1	500	<1.33	90	46 - 134
1,1-Dichloroethene	484	µg/Kg	1	500	<0.639	97	76 - 118
Methylene chloride	483	µg/Kg	1	500	<1.19	97	64.4 - 110
MTBE	504	µg/Kg	1	500	<0.362	101	84.8 - 120
trans-1,2-Dichloroethene	483	µg/Kg	1	500	<0.419	97	82 - 112
1,1-Dichloroethane	489	µg/Kg	1	500	<0.257	98	81.4 - 113
cis-1,2-Dichloroethene	495	µg/Kg	1	500	<0.627	99	84.9 - 113
2,2-Dichloropropane	413	µg/Kg	1	500	<0.593	83	35.1 - 136
1,2-Dichloroethane (EDC)	486	µg/Kg	1	500	<0.524	97	35.1 - 136
Chloroform	488	µg/Kg	1	500	<0.440	98	81 - 115
1,1,1-Trichloroethane	487	µg/Kg	1	500	<0.750	97	80.2 - 113
1,1-Dichloropropene	490	µg/Kg	1	500	<0.622	98	75.4 - 113
Benzene	489	µg/Kg	1	500	<0.644	98	84.6 - 114
Carbon Tetrachloride	505	µg/Kg	1	500	<0.485	101	86.6 - 113
1,2-Dichloropropane	498	µg/Kg	1	500	<0.547	100	67 - 127
Trichloroethene (TCE)	492	µg/Kg	1	500	<0.836	98	84.9 - 115
Dibromomethane (methylene bromide)	495	µg/Kg	1	500	<0.435	99	92.6 - 114
Bromodichloromethane	499	µg/Kg	1	500	<0.457	100	87.7 - 114
2-Chloroethyl vinyl ether	505	µg/Kg	1	500	<0.547	101	81.1 - 121
cis-1,3-Dichloropropene	500	µg/Kg	1	500	<0.596	100	84.9 - 115
trans-1,3-Dichloropropene	500	µg/Kg	1	500	<0.561	100	85.8 - 118
Toluene	467	µg/Kg	1	500	<1.12	93	80.7 - 109
1,1,2-Trichloroethane	483	µg/Kg	1	500	<3.25	97	89 - 115
1,3-Dichloropropane	487	µg/Kg	1	500	<0.505	97	90.3 - 115
Dibromochloromethane	511	µg/Kg	1	500	<0.552	102	82.6 - 129
1,2-Dibromoethane (EDB)	506	µg/Kg	1	500	<0.688	101	93.3 - 117
Tetrachloroethene (PCE)	483	µg/Kg	1	500	<0.826	97	50.2 - 143
Chlorobenzene	469	µg/Kg	1	500	<0.426	94	86.1 - 111
1,1,1,2-Tetrachloroethane	501	µg/Kg	1	500	<0.289	100	81.4 - 122
Ethylbenzene	481	µg/Kg	1	500	<0.376	96	84.4 - 106
m,p-Xylene	970	µg/Kg	1	1000	<0.714	97	84 - 108
Bromoform	533	µg/Kg	1	500	<0.426	107	77 - 139
Styrene	519	µg/Kg	1	500	<0.796	104	87.6 - 122
o-Xylene	498	µg/Kg	1	500	<0.679	100	86.6 - 111
1,1,2,2-Tetrachloroethane	499	µg/Kg	1	500	<0.703	100	76.4 - 124
2-Chlorotoluene	470	µg/Kg	1	500	<1.26	94	81.7 - 115
1,2,3-Trichloropropane	464	µg/Kg	1	500	<0.504	93	75.7 - 134

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Isopropylbenzene	477	µg/Kg	1	500	<1.30	95	81 - 118
Bromobenzene	470	µg/Kg	1	500	<0.480	94	82.7 - 121
n-Propylbenzene	462	µg/Kg	1	500	<0.421	92	73.4 - 115
1,3,5-Trimethylbenzene	478	µg/Kg	1	500	<2.10	96	76 - 113
tert-Butylbenzene	486	µg/Kg	1	500	<0.410	97	70 - 116
1,2,4-Trimethylbenzene	482	µg/Kg	1	500	<0.535	96	78.6 - 115
1,4-Dichlorobenzene (para)	458	µg/Kg	1	500	<0.387	92	78.6 - 109
sec-Butylbenzene	478	µg/Kg	1	500	<0.632	96	64 - 114
1,3-Dichlorobenzene (meta)	476	µg/Kg	1	500	<0.534	95	86.8 - 109
p-Isopropyltoluene	484	µg/Kg	1	500	<0.679	97	64.8 - 115
4-Chlorotoluene	473	µg/Kg	1	500	<0.675	95	83.3 - 117
1,2-Dichlorobenzene (ortho)	492	µg/Kg	1	500	<0.475	98	88.4 - 110
n-Butylbenzene	476	µg/Kg	1	500	<0.979	95	61.5 - 112
1,2-Dibromo-3-chloropropane	508	µg/Kg	1	500	<0.883	102	47.4 - 147
1,2,3-Trichlorobenzene	607	µg/Kg	1	500	<3.64	121	19.4 - 159
1,2,4-Trichlorobenzene	514	µg/Kg	1	500	<2.28	103	37.6 - 135
Naphthalene	632	µg/Kg	1	500	<4.41	126	20.8 - 179
Hexachlorobutadiene	470	µg/Kg	1	500	<3.24	94	54.5 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	500	µg/Kg	1	500	<0.825	100	85 - 114	1	20
Dichlorodifluoromethane	459	µg/Kg	1	500	<0.889	92	57.1 - 129	3	20
Chloromethane (methyl chloride)	462	µg/Kg	1	500	<0.929	92	66.7 - 111	4	20
Vinyl Chloride	476	µg/Kg	1	500	<0.463	95	66.6 - 116	4	20
Bromomethane (methyl bromide)	479	µg/Kg	1	500	<1.71	96	43.4 - 143	4	20
Chloroethane	474	µg/Kg	1	500	<3.68	95	44.9 - 135	2	20
Trichlorofluoromethane	517	µg/Kg	1	500	<0.306	103	57.6 - 131	2	20
Acetone	698	µg/Kg	1	500	<1.70	140	16.7 - 142	2	20
Iodomethane (methyl iodide)	502	µg/Kg	1	500	<0.640	100	81.1 - 116	0	20
Carbon Disulfide	485	µg/Kg	1	500	<0.346	97	79.7 - 112	1	20
Acrylonitrile	514	µg/Kg	1	500	<1.51	103	74.9 - 124	1	20
2-Butanone (MEK)	508	µg/Kg	1	500	<3.78	102	50.9 - 124	2	20
4-Methyl-2-pentanone (MIBK)	520	µg/Kg	1	500	<7.86	104	71.2 - 134	2	20
2-Hexanone	520	µg/Kg	1	500	<5.70	104	43.1 - 135	0	20
trans 1,4-Dichloro-2-butene	458	µg/Kg	1	500	<1.33	92	46 - 134	2	20
1,1-Dichloroethene	483	µg/Kg	1	500	<0.639	97	76 - 118	0	20
Methylene chloride	479	µg/Kg	1	500	<1.19	96	64.4 - 110	1	20
MTBE	509	µg/Kg	1	500	<0.362	102	84.8 - 120	1	20
trans-1,2-Dichloroethene	481	µg/Kg	1	500	<0.419	96	82 - 112	0	20
1,1-Dichloroethane	483	µg/Kg	1	500	<0.257	97	81.4 - 113	1	20
cis-1,2-Dichloroethene	493	µg/Kg	1	500	<0.627	99	84.9 - 113	0	20
2,2-Dichloropropane	400	µg/Kg	1	500	<0.593	80	35.1 - 136	3	20
1,2-Dichloroethane (EDC)	478	µg/Kg	1	500	<0.524	96	35.1 - 136	2	20
Chloroform	484	µg/Kg	1	500	<0.440	97	81 - 115	1	20
1,1,1-Trichloroethane	487	µg/Kg	1	500	<0.750	97	80.2 - 113	0	20
1,1-Dichloropropene	483	µg/Kg	1	500	<0.622	97	75.4 - 113	1	20
Benzene	481	µg/Kg	1	500	<0.644	96	84.6 - 114	2	20
Carbon Tetrachloride	502	µg/Kg	1	500	<0.485	100	86.6 - 113	1	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2-Dichloropropane	483	µg/Kg	1	500	<0.547	97	67 - 127	3	20
Trichloroethene (TCE)	488	µg/Kg	1	500	<0.836	98	84.9 - 115	1	20
Dibromomethane (methylene bromide)	490	µg/Kg	1	500	<0.435	98	92.6 - 114	1	20
Bromodichloromethane	494	µg/Kg	1	500	<0.457	99	87.7 - 114	1	20
2-Chloroethyl vinyl ether	489	µg/Kg	1	500	<0.547	98	81.1 - 121	3	20
cis-1,3-Dichloropropene	494	µg/Kg	1	500	<0.596	99	84.9 - 115	1	20
trans-1,3-Dichloropropene	488	µg/Kg	1	500	<0.561	98	85.8 - 118	2	20
Toluene	459	µg/Kg	1	500	<1.12	92	80.7 - 109	2	20
1,1,2-Trichloroethane	482	µg/Kg	1	500	<3.25	96	89 - 115	0	20
1,3-Dichloropropane	482	µg/Kg	1	500	<0.505	96	90.3 - 115	1	20
Dibromochloromethane	509	µg/Kg	1	500	<0.552	102	82.6 - 129	0	20
1,2-Dibromoethane (EDB)	506	µg/Kg	1	500	<0.688	101	93.3 - 117	0	20
Tetrachloroethene (PCE)	486	µg/Kg	1	500	<0.826	97	50.2 - 143	1	20
Chlorobenzene	467	µg/Kg	1	500	<0.426	93	86.1 - 111	0	20
1,1,1,2-Tetrachloroethane	498	µg/Kg	1	500	<0.289	100	81.4 - 122	1	20
Ethylbenzene	477	µg/Kg	1	500	<0.376	95	84.4 - 106	1	20
m,p-Xylene	959	µg/Kg	1	1000	<0.714	96	84 - 108	1	20
Bromoform	540	µg/Kg	1	500	<0.426	108	77 - 139	1	20
Styrene	516	µg/Kg	1	500	<0.796	103	87.6 - 122	1	20
o-Xylene	491	µg/Kg	1	500	<0.679	98	86.6 - 111	1	20
1,1,2,2-Tetrachloroethane	491	µg/Kg	1	500	<0.703	98	76.4 - 124	2	20
2-Chlorotoluene	464	µg/Kg	1	500	<1.26	93	81.7 - 115	1	20
1,2,3-Trichloropropane	463	µg/Kg	1	500	<0.504	93	75.7 - 134	0	20
Isopropylbenzene	474	µg/Kg	1	500	<1.30	95	81 - 118	1	20
Bromobenzene	464	µg/Kg	1	500	<0.480	93	82.7 - 121	1	20
n-Propylbenzene	458	µg/Kg	1	500	<0.421	92	73.4 - 115	1	20
1,3,5-Trimethylbenzene	473	µg/Kg	1	500	<2.10	95	76 - 113	1	20
tert-Butylbenzene	478	µg/Kg	1	500	<0.410	96	70 - 116	2	20
1,2,4-Trimethylbenzene	481	µg/Kg	1	500	<0.535	96	78.6 - 115	0	20
1,4-Dichlorobenzene (para)	456	µg/Kg	1	500	<0.387	91	78.6 - 109	0	20
sec-Butylbenzene	474	µg/Kg	1	500	<0.632	95	64 - 114	1	20
1,3-Dichlorobenzene (meta)	470	µg/Kg	1	500	<0.534	94	86.8 - 109	1	20
p-Isopropyltoluene	480	µg/Kg	1	500	<0.679	96	64.8 - 115	1	20
4-Chlorotoluene	465	µg/Kg	1	500	<0.675	93	83.3 - 117	2	20
1,2-Dichlorobenzene (ortho)	487	µg/Kg	1	500	<0.475	97	88.4 - 110	1	20
n-Butylbenzene	476	µg/Kg	1	500	<0.979	95	61.5 - 112	0	20
1,2-Dibromo-3-chloropropane	513	µg/Kg	1	500	<0.883	103	47.4 - 147	1	20
1,2,3-Trichlorobenzene	642	µg/Kg	1	500	<3.64	128	19.4 - 159	6	20
1,2,4-Trichlorobenzene	536	µg/Kg	1	500	<2.28	107	37.6 - 135	4	20
Naphthalene	656	µg/Kg	1	500	<4.41	131	20.8 - 179	4	20
Hexachlorobutadiene	471	µg/Kg	1	500	<3.24	94	54.5 - 128	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	503	508	µg/Kg	1	500	101	102	79.7 - 120
Toluene-d8	487	492	µg/Kg	1	500	97	98	86.8 - 107
4-Bromofluorobenzene (4-BFB)	485	492	µg/Kg	1	500	97	98	82.5 - 116

Matrix Spike (MS-1) Spiked Sample: 129300

QC Batch: 38891 Date Analyzed: 2007-07-09 Analyzed By: TG
Prep Batch: 33658 QC Preparation: 2007-07-09 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	264	mg/Kg	1	250	<10.7	106	47.5 - 127

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	268	mg/Kg	1	250	<10.7	107	47.5 - 127	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	171	169	mg/Kg	1	150	114	113	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 129147

QC Batch: 38961 Date Analyzed: 2007-07-10 Analyzed By: DS
Prep Batch: 33721 QC Preparation: 2007-07-10 Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.66	mg/Kg	1	2.67	0	62	10 - 117
2-Chlorophenol	1.62	mg/Kg	1	2.67	0	61	10 - 117
1,4-Dichlorobenzene (para)	1.55	mg/Kg	1	2.67	0	58	10 - 116
N-Nitrosodi-n-propylamine	2.25	mg/Kg	1	2.67	0	84	10 - 121
1,2,4-Trichlorobenzene	1.78	mg/Kg	1	2.67	0	67	10 - 126
Naphthalene	1.66	mg/Kg	1	2.67	0	62	10 - 165
4-Chloro-3-methylphenol	1.97	mg/Kg	1	2.67	0	74	10 - 148
Acenaphthylene	1.96	mg/Kg	1	2.67	0	73	10 - 165
Acenaphthene	1.88	mg/Kg	1	2.67	0	70	10 - 154
Dibenzofuran	2.06	mg/Kg	1	2.67	0	77	10 - 165
4-Nitrophenol	2.21	mg/Kg	1	2.67	0	83	10 - 142
2,4-Dinitrotoluene	2.45	mg/Kg	1	2.67	0	92	10 - 170
Fluorene	2.09	mg/Kg	1	2.67	0	78	10 - 165
Pentachlorophenol	2.00	mg/Kg	1	2.67	0	75	10 - 145
Anthracene	2.24	mg/Kg	1	2.67	0	84	10 - 165
Phenanthrene	2.20	mg/Kg	1	2.67	0	82	10 - 165
Fluoranthene	2.54	mg/Kg	1	2.67	0	95	10 - 165
Pyrene	2.10	mg/Kg	1	2.67	0	79	10 - 227
Benzo(a)anthracene	2.18	mg/Kg	1	2.67	0	82	10 - 165
Chrysene	1.84	mg/Kg	1	2.67	0	69	10 - 165
Benzo(b)fluoranthene	2.60	mg/Kg	1	2.67	0	97	10 - 165
Benzo(k)fluoranthene	2.85	mg/Kg	1	2.67	0	107	10 - 165
Benzo(a)pyrene	2.90	mg/Kg	1	2.67	0	109	10 - 165
Indeno(1,2,3-cd)pyrene	3.10	mg/Kg	1	2.67	0	116	10 - 165
Dibenzo(a,h)anthracene	2.94	mg/Kg	1	2.67	0	110	10 - 165

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzo(g,h,i)perylene	3.05	mg/Kg	1	2.67	0	114	10 - 165

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	1.62	mg/Kg	1	2.67	0	61	10 - 117	2	20
2-Chlorophenol	1.59	mg/Kg	1	2.67	0	60	10 - 117	2	20
1,4-Dichlorobenzene (para)	1.52	mg/Kg	1	2.67	0	57	10 - 116	2	20
N-Nitrosodi-n-propylamine	2.18	mg/Kg	1	2.67	0	82	10 - 121	3	20
1,2,4-Trichlorobenzene	1.74	mg/Kg	1	2.67	0	65	10 - 126	2	20
Naphthalene	1.62	mg/Kg	1	2.67	0	61	10 - 165	2	20
4-Chloro-3-methylphenol	1.93	mg/Kg	1	2.67	0	72	10 - 148	2	20
Acenaphthylene	1.92	mg/Kg	1	2.67	0	72	10 - 165	2	20
Acenaphthene	1.85	mg/Kg	1	2.67	0	69	10 - 154	2	20
Dibenzofuran	2.01	mg/Kg	1	2.67	0	75	10 - 165	2	20
4-Nitrophenol	2.18	mg/Kg	1	2.67	0	82	10 - 142	1	20
2,4-Dinitrotoluene	2.37	mg/Kg	1	2.67	0	89	10 - 170	3	20
Fluorene	2.06	mg/Kg	1	2.67	0	77	10 - 165	1	20
Pentachlorophenol	1.99	mg/Kg	1	2.67	0	74	10 - 145	0	20
Anthracene	2.20	mg/Kg	1	2.67	0	82	10 - 165	2	20
Phenanthrene	2.16	mg/Kg	1	2.67	0	81	10 - 165	2	20
Fluoranthene	2.51	mg/Kg	1	2.67	0	94	10 - 165	1	20
Pyrene	2.06	mg/Kg	1	2.67	0	77	10 - 227	2	20
Benzo(a)anthracene	2.12	mg/Kg	1	2.67	0	79	10 - 165	3	20
Chrysene	1.83	mg/Kg	1	2.67	0	68	10 - 165	0	20
Benzo(b)fluoranthene	2.58	mg/Kg	1	2.67	0	97	10 - 165	1	20
Benzo(k)fluoranthene	2.69	mg/Kg	1	2.67	0	101	10 - 165	6	20
Benzo(a)pyrene	2.82	mg/Kg	1	2.67	0	106	10 - 165	3	20
Indeno(1,2,3-cd)pyrene	3.01	mg/Kg	1	2.67	0	113	10 - 165	3	20
Dibenzo(a,h)anthracene	2.86	mg/Kg	1	2.67	0	107	10 - 165	3	20
Benzo(g,h,i)perylene	2.95	mg/Kg	1	2.67	0	110	10 - 165	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	1.44	1.41	mg/Kg	1	2.67	54	53	10 - 103
Phenol-d5	1.62	1.58	mg/Kg	1	2.67	61	59	10 - 120
Nitrobenzene-d5	1.70	1.66	mg/Kg	1	2.67	64	62	10 - 125
2-Fluorobiphenyl	1.83	1.81	mg/Kg	1	2.67	68	68	10 - 123
2,4,6-Tribromophenol	2.65	2.60	mg/Kg	1	2.67	99	97	14.4 - 145
Terphenyl-d14	1.94	1.90	mg/Kg	1	2.67	73	71	16.3 - 168

Matrix Spike (MS-1) Spiked Sample: 129303

QC Batch:	38996	Date Analyzed:	2007-07-11	Analyzed By:	JG
Prep Batch:	33753	QC Preparation:	2007-07-11	Prepared By:	JG

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		488	µg/Kg	1	500	<0.825	98	70.6 - 131
Dichlorodifluoromethane		361	µg/Kg	1	500	<0.889	72	52.9 - 135
Chloromethane (methyl chloride)		348	µg/Kg	1	500	<0.929	70	60.7 - 119
Vinyl Chloride		405	µg/Kg	1	500	<0.463	81	66 - 119
Bromomethane (methyl bromide)		86.9	µg/Kg	1	500	<1.71	17	15.5 - 148
Chloroethane	[1]	54.9	µg/Kg	1	500	<3.68	11	42.5 - 123
Trichlorofluoromethane	[2]	49.9	µg/Kg	1	500	<0.306	10	50.7 - 144
Acetone		463	µg/Kg	1	500	<1.70	93	10 - 161
Iodomethane (methyl iodide)		490	µg/Kg	1	500	<0.640	98	75.9 - 111
Carbon Disulfide		415	µg/Kg	1	500	<0.346	83	64 - 121
Acrylonitrile		485	µg/Kg	1	500	<1.51	97	77.7 - 116
2-Butanone (MEK)		477	µg/Kg	1	500	<3.78	95	28.3 - 136
4-Methyl-2-pentanone (MIBK)		440	µg/Kg	1	500	<7.86	88	78.8 - 115
2-Hexanone		394	µg/Kg	1	500	<5.70	79	34.9 - 129
trans 1,4-Dichloro-2-butene		364	µg/Kg	1	500	<1.33	73	43.6 - 112
1,1-Dichloroethene		470	µg/Kg	1	500	<0.639	94	76.1 - 115
Methylene chloride		493	µg/Kg	1	500	<1.19	99	59.4 - 113
MTBE		482	µg/Kg	1	500	<0.362	96	60 - 129
trans-1,2-Dichloroethene		480	µg/Kg	1	500	<0.419	96	78.2 - 110
1,1-Dichloroethane		472	µg/Kg	1	500	<0.257	94	79.7 - 111
cis-1,2-Dichloroethene		494	µg/Kg	1	500	<0.627	99	78.6 - 111
2,2-Dichloropropane		342	µg/Kg	1	500	<0.593	68	10 - 120
1,2-Dichloroethane (EDC)		442	µg/Kg	1	500	<0.524	88	75.7 - 123
Chloroform		464	µg/Kg	1	500	<0.440	93	78.4 - 116
1,1,1-Trichloroethane		421	µg/Kg	1	500	<0.750	84	68.9 - 119
1,1-Dichloropropene		476	µg/Kg	1	500	<0.622	95	80.3 - 120
Benzene		482	µg/Kg	1	500	<0.644	96	82.1 - 110
Carbon Tetrachloride		385	µg/Kg	1	500	<0.485	77	60.8 - 138
1,2-Dichloropropane		477	µg/Kg	1	500	<0.547	95	84.2 - 111
Trichloroethene (TCE)		487	µg/Kg	1	500	<0.836	97	75.5 - 129
Dibromomethane (methylene bromide)		469	µg/Kg	1	500	<0.435	94	81.8 - 117
Bromodichloromethane		426	µg/Kg	1	500	<0.457	85	70 - 130
2-Chloroethyl vinyl ether		484	µg/Kg	1	500	<0.547	97	84.2 - 111
cis-1,3-Dichloropropene		459	µg/Kg	1	500	<0.596	92	75.3 - 114
trans-1,3-Dichloropropene		434	µg/Kg	1	500	<0.561	87	75.7 - 117
Toluene		447	µg/Kg	1	500	<1.12	89	82.3 - 108
1,1,2-Trichloroethane		462	µg/Kg	1	500	<3.25	92	83.4 - 113
1,3-Dichloropropane		474	µg/Kg	1	500	<0.505	95	88.2 - 115
Dibromochloromethane		402	µg/Kg	1	500	<0.552	80	78.2 - 127
1,2-Dibromoethane (EDB)		490	µg/Kg	1	500	<0.688	98	88.9 - 115
Tetrachloroethene (PCE)		506	µg/Kg	1	500	<0.826	101	35.1 - 201
Chlorobenzene		468	µg/Kg	1	500	<0.426	94	84.1 - 111
1,1,1,2-Tetrachloroethane		445	µg/Kg	1	500	<0.289	89	77.2 - 129
Ethylbenzene		468	µg/Kg	1	500	<0.376	94	81.2 - 113
m,p-Xylene		937	µg/Kg	1	1000	<0.714	94	79 - 118
Bromoform		357	µg/Kg	1	500	<0.426	71	70.1 - 136
Styrene		510	µg/Kg	1	500	<0.796	102	86.8 - 112
o-Xylene		481	µg/Kg	1	500	<0.679	96	78.7 - 120
1,1,2,2-Tetrachloroethane		426	µg/Kg	1	500	<0.703	85	55.8 - 131

continued ...

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
2-Chlorotoluene	474	µg/Kg	1	500	<1.26	95	72.4 - 128
1,2,3-Trichloropropane	416	µg/Kg	1	500	<0.504	83	80.5 - 119
Isopropylbenzene	486	µg/Kg	1	500	<1.30	97	73.5 - 130
Bromobenzene	465	µg/Kg	1	500	<0.480	93	75.5 - 129
n-Propylbenzene	470	µg/Kg	1	500	<0.421	94	70.5 - 123
1,3,5-Trimethylbenzene	493	µg/Kg	1	500	<2.10	99	59.2 - 141
tert-Butylbenzene	515	µg/Kg	1	500	<0.410	103	55.6 - 142
1,2,4-Trimethylbenzene	504	µg/Kg	1	500	<0.535	101	50 - 150
1,4-Dichlorobenzene (para)	484	µg/Kg	1	500	<0.387	97	63.6 - 127
sec-Butylbenzene	520	µg/Kg	1	500	<0.632	104	52.8 - 134
1,3-Dichlorobenzene (meta)	500	µg/Kg	1	500	<0.534	100	75.6 - 125
p-Isopropyltoluene	542	µg/Kg	1	500	<0.679	108	46.1 - 145
4-Chlorotoluene	489	µg/Kg	1	500	<0.675	98	78.4 - 126
1,2-Dichlorobenzene (ortho)	509	µg/Kg	1	500	<0.475	102	76.3 - 127
n-Butylbenzene	562	µg/Kg	1	500	<0.979	112	45.3 - 135
1,2-Dibromo-3-chloropropane	412	µg/Kg	1	500	<0.883	82	60.8 - 136
1,2,3-Trichlorobenzene	596	µg/Kg	1	500	<3.64	119	20.8 - 136
1,2,4-Trichlorobenzene	639	µg/Kg	1	500	<2.28	128	15 - 172
Naphthalene	481	µg/Kg	1	500	<4.41	96	10 - 219
Hexachlorobutadiene [3]	625	µg/Kg	1	500	<3.24	125	55.4 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	498	µg/Kg	1	500	<0.825	100	70.6 - 131	2	20
Dichlorodifluoromethane	380	µg/Kg	1	500	<0.889	76	52.9 - 135	5	20
Chloromethane (methyl chloride)	365	µg/Kg	1	500	<0.929	73	60.7 - 119	5	20
Vinyl Chloride	432	µg/Kg	1	500	<0.463	86	66 - 119	6	20
Bromomethane (methyl bromide)	89.3	µg/Kg	1	500	<1.71	18	15.5 - 148	3	20
Chloroethane [4]	56.8	µg/Kg	1	500	<3.68	11	42.5 - 123	3	20
Trichlorofluoromethane [5]	51.5	µg/Kg	1	500	<0.306	10	50.7 - 144	3	20
Acetone	492	µg/Kg	1	500	<1.70	98	10 - 161	6	20
Iodomethane (methyl iodide)	510	µg/Kg	1	500	<0.640	102	75.9 - 111	4	20
Carbon Disulfide	429	µg/Kg	1	500	<0.346	86	64 - 121	3	20
Acrylonitrile	497	µg/Kg	1	500	<1.51	99	77.7 - 116	2	20
2-Butanone (MEK)	496	µg/Kg	1	500	<3.78	99	28.3 - 136	4	20
4-Methyl-2-pentanone (MIBK)	462	µg/Kg	1	500	<7.86	92	78.8 - 115	5	20
2-Hexanone	390	µg/Kg	1	500	<5.70	78	34.9 - 129	1	20
trans 1,4-Dichloro-2-butene	367	µg/Kg	1	500	<1.33	73	43.6 - 112	1	20
1,1-Dichloroethene	490	µg/Kg	1	500	<0.639	98	76.1 - 115	4	20
Methylene chloride	499	µg/Kg	1	500	<1.19	100	59.4 - 113	1	20
MTBE	484	µg/Kg	1	500	<0.362	97	60 - 129	0	20
trans-1,2-Dichloroethene	487	µg/Kg	1	500	<0.419	97	78.2 - 110	1	20
1,1-Dichloroethane	477	µg/Kg	1	500	<0.257	95	79.7 - 111	1	20
cis-1,2-Dichloroethene	498	µg/Kg	1	500	<0.627	100	78.6 - 111	1	20
2,2-Dichloropropane	353	µg/Kg	1	500	<0.593	71	10 - 120	3	20
1,2-Dichloroethane (EDC)	433	µg/Kg	1	500	<0.524	87	75.7 - 123	2	20

continued ...

[3] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[4] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[5] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloroform	468	µg/Kg	1	500	<0.440	94	78.4 - 116	1	20
1,1,1-Trichloroethane	439	µg/Kg	1	500	<0.750	88	68.9 - 119	4	20
1,1-Dichloropropene	482	µg/Kg	1	500	<0.622	96	80.3 - 120	1	20
Benzene	489	µg/Kg	1	500	<0.644	98	82.1 - 110	1	20
Carbon Tetrachloride	422	µg/Kg	1	500	<0.485	84	60.8 - 138	9	20
1,2-Dichloropropane	482	µg/Kg	1	500	<0.547	96	84.2 - 111	1	20
Trichloroethene (TCE)	505	µg/Kg	1	500	<0.836	101	75.5 - 129	4	20
Dibromomethane (methylene bromide)	471	µg/Kg	1	500	<0.435	94	81.8 - 117	0	20
Bromodichloromethane	438	µg/Kg	1	500	<0.457	88	70 - 130	3	20
2-Chloroethyl vinyl ether	488	µg/Kg	1	500	<0.547	98	84.2 - 111	1	20
cis-1,3-Dichloropropene	469	µg/Kg	1	500	<0.596	94	75.3 - 114	2	20
trans-1,3-Dichloropropene	442	µg/Kg	1	500	<0.561	88	75.7 - 117	2	20
Toluene	454	µg/Kg	1	500	<1.12	91	82.3 - 108	2	20
1,1,2-Trichloroethane	464	µg/Kg	1	500	<3.25	93	83.4 - 113	0	20
1,3-Dichloropropane	477	µg/Kg	1	500	<0.505	95	88.2 - 115	1	20
Dibromochloromethane	425	µg/Kg	1	500	<0.552	85	78.2 - 127	6	20
1,2-Dibromoethane (EDB)	500	µg/Kg	1	500	<0.688	100	88.9 - 115	2	20
Tetrachloroethene (PCE)	534	µg/Kg	1	500	<0.826	107	35.1 - 201	5	20
Chlorobenzene	484	µg/Kg	1	500	<0.426	97	84.1 - 111	3	20
1,1,1,2-Tetrachloroethane	464	µg/Kg	1	500	<0.289	93	77.2 - 129	4	20
Ethylbenzene	478	µg/Kg	1	500	<0.376	96	81.2 - 113	2	20
m,p-Xylene	955	µg/Kg	1	1000	<0.714	96	79 - 118	2	20
Bromoform	383	µg/Kg	1	500	<0.426	77	70.1 - 136	7	20
Styrene	522	µg/Kg	1	500	<0.796	104	86.8 - 112	2	20
o-Xylene	491	µg/Kg	1	500	<0.679	98	78.7 - 120	2	20
1,1,2,2-Tetrachloroethane	434	µg/Kg	1	500	<0.703	87	55.8 - 131	2	20
2-Chlorotoluene	479	µg/Kg	1	500	<1.26	96	72.4 - 128	1	20
1,2,3-Trichloropropane	420	µg/Kg	1	500	<0.504	84	80.5 - 119	1	20
Isopropylbenzene	497	µg/Kg	1	500	<1.30	99	73.5 - 130	2	20
Bromobenzene	467	µg/Kg	1	500	<0.480	93	75.5 - 129	0	20
n-Propylbenzene	477	µg/Kg	1	500	<0.421	95	70.5 - 123	2	20
1,3,5-Trimethylbenzene	500	µg/Kg	1	500	<2.10	100	59.2 - 141	1	20
tert-Butylbenzene	533	µg/Kg	1	500	<0.410	107	55.6 - 142	3	20
1,2,4-Trimethylbenzene	515	µg/Kg	1	500	<0.535	103	50 - 150	2	20
1,4-Dichlorobenzene (para)	496	µg/Kg	1	500	<0.387	99	63.6 - 127	2	20
sec-Butylbenzene	536	µg/Kg	1	500	<0.632	107	52.8 - 134	3	20
1,3-Dichlorobenzene (meta)	514	µg/Kg	1	500	<0.534	103	75.6 - 125	3	20
p-Isopropyltoluene	560	µg/Kg	1	500	<0.679	112	46.1 - 145	3	20
4-Chlorotoluene	497	µg/Kg	1	500	<0.675	99	78.4 - 126	2	20
1,2-Dichlorobenzene (ortho)	523	µg/Kg	1	500	<0.475	105	76.3 - 127	3	20
n-Butylbenzene	580	µg/Kg	1	500	<0.979	116	45.3 - 135	3	20
1,2-Dibromo-3-chloropropane	428	µg/Kg	1	500	<0.883	86	60.8 - 136	4	20
1,2,3-Trichlorobenzene [6]	728	µg/Kg	1	500	<3.64	146	20.8 - 136	20	20
1,2,4-Trichlorobenzene	702	µg/Kg	1	500	<2.28	140	15 - 172	9	20
Naphthalene	608	µg/Kg	1	500	<4.41	122	10 - 219	23	20
Hexachlorobutadiene [7]	665	µg/Kg	1	500	<3.24	133	55.4 - 122	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[6] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[7] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	487	484	μg/Kg	1	500	97	97	79.1 - 110
Toluene-d8	501	498	μg/Kg	1	500	100	100	84.3 - 108
4-Bromofluorobenzene (4-BFB)	512	507	μg/Kg	1	500	102	101	84.5 - 109

Standard (ICV-1)

QC Batch: 38891 Date Analyzed: 2007-07-09 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	261	104	85 - 115	2007-07-09

Standard (CCV-1)

QC Batch: 38891 Date Analyzed: 2007-07-09 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	288	115	85 - 115	2007-07-09

Standard (CCV-2)

QC Batch: 38891 Date Analyzed: 2007-07-09 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	268	107	85 - 115	2007-07-09

Standard (CCV-1)

QC Batch: 38961 Date Analyzed: 2007-07-10 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60.0	59.0	98	80 - 120	2007-07-10
1,4-Dichlorobenzene (para)		mg/Kg	60.0	59.7	100	80 - 120	2007-07-10
2-Nitrophenol		mg/Kg	60.0	64.0	107	80 - 120	2007-07-10
2,4-Dichlorophenol		mg/Kg	60.0	58.9	98	80 - 120	2007-07-10
Hexachlorobutadiene		mg/Kg	60.0	68.5	114	80 - 120	2007-07-10
4-Chloro-3-methylphenol		mg/Kg	60.0	58.8	98	80 - 120	2007-07-10
2,4,6-Trichlorophenol		mg/Kg	60.0	64.0	107	80 - 120	2007-07-10
Acenaphthene		mg/Kg	60.0	56.5	94	80 - 120	2007-07-10
Diphenylamine		mg/Kg	60.0	62.3	104	80 - 120	2007-07-10
Pentachlorophenol		mg/Kg	60.0	63.7	106	80 - 120	2007-07-10
Fluoranthene		mg/Kg	60.0	61.3	102	80 - 120	2007-07-10

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Di-n-octylphthalate		mg/Kg	60.0	54.7	91	80 - 120	2007-07-10
Benzo(a)pyrene		mg/Kg	60.0	60.3	100	80 - 120	2007-07-10

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		58.9	mg/Kg	1	60.0	98	80 - 120
Phenol-d5		56.0	mg/Kg	1	60.0	93	80 - 120
Nitrobenzene-d5		61.6	mg/Kg	1	60.0	103	80 - 120
2-Fluorobiphenyl		56.7	mg/Kg	1	60.0	94	80 - 120
2,4,6-Tribromophenol		67.3	mg/Kg	1	60.0	112	80 - 120
Terphenyl-d14		59.5	mg/Kg	1	60.0	99	80 - 120

Standard (CCV-1)

QC Batch: 38996 Date Analyzed: 2007-07-11 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/Kg	50.0	51.4	103	70 - 130	2007-07-11
Dichlorodifluoromethane		µg/Kg	50.0	49.6	99	70 - 130	2007-07-11
Chloromethane (methyl chloride)		µg/Kg	50.0	50.0	100	70 - 130	2007-07-11
Vinyl Chloride		µg/Kg	50.0	52.2	104	80 - 120	2007-07-11
Bromomethane (methyl bromide)		µg/Kg	50.0	52.3	105	70 - 130	2007-07-11
Chloroethane		µg/Kg	50.0	51.0	102	70 - 130	2007-07-11
Trichlorofluoromethane		µg/Kg	50.0	54.8	110	70 - 130	2007-07-11
Acetone	[8]	µg/Kg	50.0	70.3	141	70 - 130	2007-07-11
Iodomethane (methyl iodide)		µg/Kg	50.0	51.6	103	70 - 130	2007-07-11
Carbon Disulfide		µg/Kg	50.0	50.2	100	70 - 130	2007-07-11
Acrylonitrile		µg/Kg	50.0	52.7	105	70 - 130	2007-07-11
2-Butanone (MEK)		µg/Kg	50.0	51.6	103	70 - 130	2007-07-11
4-Methyl-2-pentanone (MIBK)		µg/Kg	50.0	53.4	107	70 - 130	2007-07-11
2-Hexanone		µg/Kg	50.0	54.5	109	70 - 130	2007-07-11
trans 1,4-Dichloro-2-butene		µg/Kg	50.0	49.6	99	70 - 130	2007-07-11
1,1-Dichloroethene		µg/Kg	50.0	49.4	99	80 - 120	2007-07-11
Methylene chloride		µg/Kg	50.0	50.0	100	70 - 130	2007-07-11
MTBE		µg/Kg	50.0	51.6	103	70 - 130	2007-07-11
trans-1,2-Dichloroethene		µg/Kg	50.0	49.9	100	70 - 130	2007-07-11
1,1-Dichloroethane		µg/Kg	50.0	50.5	101	70 - 130	2007-07-11
cis-1,2-Dichloroethene		µg/Kg	50.0	51.0	102	70 - 130	2007-07-11
2,2-Dichloropropane		µg/Kg	50.0	43.6	87	70 - 130	2007-07-11
1,2-Dichloroethane (EDC)		µg/Kg	50.0	50.4	101	70 - 130	2007-07-11
Chloroform		µg/Kg	50.0	50.7	101	80 - 120	2007-07-11
1,1,1-Trichloroethane		µg/Kg	50.0	50.1	100	70 - 130	2007-07-11
1,1-Dichloropropene		µg/Kg	50.0	50.4	101	70 - 130	2007-07-11
Benzene		µg/Kg	50.0	50.6	101	70 - 130	2007-07-11

continued ...

[8] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 103 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Carbon Tetrachloride		µg/Kg	50.0	51.9	104	70 - 130	2007-07-11
1,2-Dichloropropane		µg/Kg	50.0	51.2	102	80 - 120	2007-07-11
Trichloroethene (TCE)		µg/Kg	50.0	50.4	101	70 - 130	2007-07-11
Dibromomethane (methylene bromide)		µg/Kg	50.0	51.1	102	70 - 130	2007-07-11
Bromodichloromethane		µg/Kg	50.0	51.9	104	70 - 130	2007-07-11
2-Chloroethyl vinyl ether		µg/Kg	50.0	51.9	104	70 - 130	2007-07-11
cis-1,3-Dichloropropene		µg/Kg	50.0	51.9	104	70 - 130	2007-07-11
trans-1,3-Dichloropropene		µg/Kg	50.0	52.0	104	70 - 130	2007-07-11
Toluene		µg/Kg	50.0	48.5	97	80 - 120	2007-07-11
1,1,2-Trichloroethane		µg/Kg	50.0	50.0	100	70 - 130	2007-07-11
1,3-Dichloropropane		µg/Kg	50.0	50.7	101	70 - 130	2007-07-11
Dibromochloromethane		µg/Kg	50.0	52.4	105	70 - 130	2007-07-11
1,2-Dibromoethane (EDB)		µg/Kg	50.0	52.1	104	70 - 130	2007-07-11
Tetrachloroethene (PCE)		µg/Kg	50.0	49.7	99	70 - 130	2007-07-11
Chlorobenzene		µg/Kg	50.0	48.5	97	80 - 120	2007-07-11
1,1,1,2-Tetrachloroethane		µg/Kg	50.0	51.8	104	70 - 130	2007-07-11
Ethylbenzene		µg/Kg	50.0	50.2	100	80 - 120	2007-07-11
m,p-Xylene		µg/Kg	100	101	101	70 - 130	2007-07-11
Bromoform		µg/Kg	50.0	55.5	111	70 - 130	2007-07-11
Styrene		µg/Kg	50.0	54.2	108	70 - 130	2007-07-11
o-Xylene		µg/Kg	50.0	51.8	104	70 - 130	2007-07-11
1,1,2,2-Tetrachloroethane		µg/Kg	50.0	51.6	103	70 - 130	2007-07-11
2-Chlorotoluene		µg/Kg	50.0	48.2	96	70 - 130	2007-07-11
1,2,3-Trichloropropane		µg/Kg	50.0	47.7	95	70 - 130	2007-07-11
Isopropylbenzene		µg/Kg	50.0	48.8	98	70 - 130	2007-07-11
Bromobenzene		µg/Kg	50.0	48.1	96	70 - 130	2007-07-11
n-Propylbenzene		µg/Kg	50.0	47.3	95	70 - 130	2007-07-11
1,3,5-Trimethylbenzene		µg/Kg	50.0	49.0	98	70 - 130	2007-07-11
tert-Butylbenzene		µg/Kg	50.0	49.4	99	70 - 130	2007-07-11
1,2,4-Trimethylbenzene		µg/Kg	50.0	49.7	99	70 - 130	2007-07-11
1,4-Dichlorobenzene (para)		µg/Kg	50.0	47.3	95	70 - 130	2007-07-11
sec-Butylbenzene		µg/Kg	50.0	49.1	98	70 - 130	2007-07-11
1,3-Dichlorobenzene (meta)		µg/Kg	50.0	48.7	97	70 - 130	2007-07-11
p-Isopropyltoluene		µg/Kg	50.0	49.5	99	70 - 130	2007-07-11
4-Chlorotoluene		µg/Kg	50.0	48.3	97	70 - 130	2007-07-11
1,2-Dichlorobenzene (ortho)		µg/Kg	50.0	50.2	100	70 - 130	2007-07-11
n-Butylbenzene		µg/Kg	50.0	49.1	98	70 - 130	2007-07-11
1,2-Dibromo-3-chloropropane		µg/Kg	50.0	50.4	101	70 - 130	2007-07-11
1,2,3-Trichlorobenzene		µg/Kg	50.0	53.4	107	70 - 130	2007-07-11
1,2,4-Trichlorobenzene		µg/Kg	50.0	50.5	101	70 - 130	2007-07-11
Naphthalene		µg/Kg	50.0	54.5	109	70 - 130	2007-07-11
Hexachlorobutadiene		µg/Kg	50.0	46.8	94	70 - 130	2007-07-11

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WTS

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.: 45

PROJECT NAME: POL ASTs

SAMPLER'S SIGNATURE:

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH DRO	VOCs	SVOCs								REMARKS
7-5-07	1055	0214-CF-001-8.0	Soil	129299	1	X	X	X								
7-5-07	1205	0214-CF-002-5.0	Soil	300	1	X	X	X								
7-5-07	1207	0214-CF-003-6.0	Soil	301	1	X	X	X								
7-5-07	1209	0214-CF-004-6.0	Soil	302	1	X	X	X								
7-5-07	1210	0214-CF-005-11.0	Soil	303	1	X	X	X								
7-5-07	1210	0214-CF-105-11.0	Soil	304	1	X	X	X								
7-5-07	1230	0214-EB-003-0707	Water	305	7	X	X	X								
7-5-07	1230	0214-TB-898-0707	Water	306	2		X									
		Temperature Blank	Water		1											Temperature Blank
7-6-07	1221	0166-CF-002-20.0	Soil	307	1	X	X	X								
7-6-07	0950	0166-CF-001-5.0	Soil	308	1	X	X	X								

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	SAMPLES RECEIVED	17	Bradley T. Davis		
	TOTAL NO. OF CONTAINERS	18	(PRINTED NAME) Bradley T. Davis	(PRINTED NAME)	(PRINTED NAME) Tyler Shackelford
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	✓	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
	GOOD CONDITION/CHILLED	✓	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 10:10 7/7/07
VIA: Fed EX	CONFORMS TO RECORD	✓	SPECIAL INSTRUCTIONS / COMMENTS:	Rush on TPH DRO - 1 day verbal Brad Davis - (305) 993-6890	

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: July 25, 2007

Work Order: 7072402

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
130751	0204-CF-006-13.0	soil	2007-07-23	13:05	2007-07-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 4 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-24 and assigned to work order 7072402. Samples for work order 7072402 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
TPH DRO	Mod. 8015B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7072402 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 130751 - 0204-CF-006-13.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39387	Date Analyzed:	2007-07-25	Analyzed By:	TG
Prep Batch:	34090	Sample Preparation:	2007-07-24	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**5150**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		188	mg/Kg	1	150	125	62.5 - 164

Method Blank (1) QC Batch: 39387

QC Batch:	39387	Date Analyzed:	2007-07-25	Analyzed By:	TG
Prep Batch:	34090	QC Preparation:	2007-07-24	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		182	mg/Kg	1	150	121	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch:	39387	Date Analyzed:	2007-07-25	Analyzed By:	TG
Prep Batch:	34090	QC Preparation:	2007-07-24	Prepared By:	TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	249	mg/Kg	1	250	<10.7	100	64.1 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	260	mg/Kg	1	250	<10.7	104	64.1 - 124	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	177	180	mg/Kg	1	150	118	120	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 130788

QC Batch: 39387 Date Analyzed: 2007-07-25 Analyzed By: TG
Prep Batch: 34090 QC Preparation: 2007-07-24 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO [1]	561	mg/Kg	1	250	121	176	47.5 - 127

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO [2]	609	mg/Kg	1	250	121	195	47.5 - 127	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	239	244	mg/Kg	1	150	159	163	62.5 - 164

Standard (ICV-1)

QC Batch: 39387 Date Analyzed: 2007-07-25 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	247	99	85 - 115	2007-07-25

Standard (CCV-1)

QC Batch: 39387 Date Analyzed: 2007-07-25 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	249	100	85 - 115	2007-07-25

[1] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[2] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

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7072402

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WTCS

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.: 45

PROJECT NAME: POL AST

SAMPLER'S SIGNATURE:

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH/DRO	REMARKS
7-23-07	1305	0204-CF-006-13.0	SOIL		1	x	130751

PROJECT INFORMATION	SAMPLES RECEIVED	✓	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS	✓	(PRINTED NAME) GABRIEL GARCIA	(PRINTED NAME)	(PRINTED NAME) Sabrina Muik
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	—	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) WTCS
	GOOD CONDITION/CHILLED	✓	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 072407 930
VIA: FED EX	CONFORMS TO RECORD	✓	SPECIAL INSTRUCTIONS / COMMENTS: RUSH ON TPH/DRO - 1 day VERBAL BRAD DAVIS 505 993-6890		

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Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 10, 2007

Work Order: 7072023

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
130511	0204-EB-006-0707	water	2007-07-19	13:40	2007-07-20
130512	0204-TB-901-0707	water	2007-07-19	13:40	2007-07-20

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 22 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-20 and assigned to work order 7072023. Samples for work order 7072023 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C
TPH DRO	Mod. 8015B
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7072023 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 130511 - 0204-EB-006-0707

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	39351	Date Analyzed:	2007-07-24	Analyzed By:	DS
Prep Batch:	34068	Sample Preparation:	2007-07-23	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500	mg/L	1	0.00500
Isophorone		<0.00500	mg/L	1	0.00500
2-Nitrophenol		<0.00500	mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500	mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500	mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500	mg/L	1	0.00500
Benzoic acid		<0.00500	mg/L	1	0.00500
Naphthalene		<0.00500	mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500	mg/L	1	0.00500
4-Chloroaniline		<0.00500	mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100	mg/L	1	0.0100
Hexachlorobutadiene		<0.00500	mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500	mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500	mg/L	1	0.00500
2-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500	mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500	mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100	mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500	mg/L	1	0.00500
2-Chloronaphthalene		<0.00500	mg/L	1	0.00500
1-Chloronaphthalene		<0.00500	mg/L	1	0.00500
2-Nitroaniline		<0.00500	mg/L	1	0.00500

continued ...

sample 130511 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.00500	mg/L	1	0.00500
Acenaphthylene		<0.00500	mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500	mg/L	1	0.00500
3-Nitroaniline		<0.00500	mg/L	1	0.00500
Acenaphthene		<0.00500	mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500	mg/L	1	0.00500
Dibenzofuran		<0.00500	mg/L	1	0.00500
Pentachlorobenzene		<0.00500	mg/L	1	0.00500
4-Nitrophenol		<0.0250	mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500	mg/L	1	0.00500
1-Naphthylamine		<0.00500	mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100	mg/L	1	0.0100
2-Naphthylamine		<0.00500	mg/L	1	0.00500
Fluorene		<0.00500	mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500	mg/L	1	0.00500
Diethylphthalate		<0.00500	mg/L	1	0.00500
4-Nitroaniline		<0.00500	mg/L	1	0.00500
Diphenylhydrazine		<0.00500	mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500	mg/L	1	0.00500
Diphenylamine		<0.00500	mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500	mg/L	1	0.00500
Phenacetin		<0.00500	mg/L	1	0.00500
Hexachlorobenzene		<0.00500	mg/L	1	0.00500
4-Aminobiphenyl		<0.00500	mg/L	1	0.00500
Pentachlorophenol		<0.0100	mg/L	1	0.0100
Anthracene		<0.00500	mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500	mg/L	1	0.00500
Pronamide		<0.00500	mg/L	1	0.00500
Phenanthrene		<0.00500	mg/L	1	0.00500
Di-n-butylphthalate		<0.00500	mg/L	1	0.00500
Fluoranthene		<0.00500	mg/L	1	0.00500
Benzidine		<0.0250	mg/L	1	0.0250
Pyrene		<0.00500	mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500	mg/L	1	0.00500
Butylbenzylphthalate		<0.00500	mg/L	1	0.00500
Benzo(a)anthracene		<0.00500	mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500	mg/L	1	0.00500
Chrysene		<0.00500	mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500	mg/L	1	0.00500
Di-n-octylphthalate		<0.00500	mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500	mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500	mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500	mg/L	1	0.00500
Benzo(a)pyrene		<0.00500	mg/L	1	0.00500
3-Methylcholanthrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500	mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500	mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500	mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0220	mg/L	1	0.0800	28	10 - 84.7
Phenol-d5		0.0155	mg/L	1	0.0800	19	10 - 54.9
Nitrobenzene-d5		0.0494	mg/L	1	0.0800	62	10 - 202
2-Fluorobiphenyl		0.0500	mg/L	1	0.0800	62	10 - 199
2,4,6-Tribromophenol		0.0544	mg/L	1	0.0800	68	10 - 141
Terphenyl-d14		0.0787	mg/L	1	0.0800	98	10 - 160

Sample: 130511 - 0204-EB-006-0707

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39286	Date Analyzed:	2007-07-20	Analyzed By:	TG
Prep Batch:	34002	Sample Preparation:	2007-07-20	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		21.5	mg/L	1	15.0	143	40.7 - 174

Sample: 130511 - 0204-EB-006-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39393	Date Analyzed:	2007-07-24	Analyzed By:	JG
Prep Batch:	34101	Sample Preparation:	2007-07-24	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	μg/L	1	1.00
Dichlorodifluoromethane		<1.00	μg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	μg/L	1	1.00
Vinyl Chloride		<1.00	μg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	μg/L	1	5.00
Chloroethane		<1.00	μg/L	1	1.00
Trichlorofluoromethane		<1.00	μg/L	1	1.00
Acetone		<10.0	μg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	μg/L	1	5.00
Carbon Disulfide		<1.00	μg/L	1	1.00
Acrylonitrile		<1.00	μg/L	1	1.00
2-Butanone (MEK)		<5.00	μg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	μg/L	1	5.00
2-Hexanone		<5.00	μg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	μg/L	1	10.0
1,1-Dichloroethene		<1.00	μg/L	1	1.00
Methylene chloride		<5.00	μg/L	1	5.00
MTBE		<1.00	μg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	μg/L	1	1.00
1,1-Dichloroethane		<1.00	μg/L	1	1.00

continued ...

sample 130511 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
cis-1,2-Dichloroethene		<1.00	μg/L	1	1.00
2,2-Dichloropropane		<1.00	μg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	μg/L	1	1.00
Chloroform		<1.00	μg/L	1	1.00
1,1,1-Trichloroethane		<1.00	μg/L	1	1.00
1,1-Dichloropropene		<1.00	μg/L	1	1.00
Benzene		<1.00	μg/L	1	1.00
Carbon Tetrachloride		<1.00	μg/L	1	1.00
1,2-Dichloropropane		<1.00	μg/L	1	1.00
Trichloroethene (TCE)		<1.00	μg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	μg/L	1	1.00
Bromodichloromethane		<1.00	μg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	μg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	μg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	μg/L	1	1.00
Toluene		<1.00	μg/L	1	1.00
1,1,2-Trichloroethane		<1.00	μg/L	1	1.00
1,3-Dichloropropane		<1.00	μg/L	1	1.00
Dibromochloromethane		<1.00	μg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	μg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	μg/L	1	1.00
Chlorobenzene		<1.00	μg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	μg/L	1	1.00
Ethylbenzene		<1.00	μg/L	1	1.00
m,p-Xylene		<1.00	μg/L	1	1.00
Bromoform		<1.00	μg/L	1	1.00
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	μg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		44.5	µg/L	1	50.0	89	82.4 - 115
Toluene-d8		49.9	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.7	µg/L	1	50.0	99	84.6 - 114

Sample: 130512 - 0204-TB-901-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39393	Date Analyzed:	2007-07-24	Analyzed By:	JG
Prep Batch:	34101	Sample Preparation:	2007-07-24	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 130512 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dibromochloromethane		<1.00	μg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	μg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	μg/L	1	1.00
Chlorobenzene		<1.00	μg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	μg/L	1	1.00
Ethylbenzene		<1.00	μg/L	1	1.00
m,p-Xylene		<1.00	μg/L	1	1.00
Bromoform		<1.00	μg/L	1	1.00
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	μg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		43.9	μg/L	1	50.0	88	82.4 - 115
Toluene-d8		49.1	μg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.2	μg/L	1	50.0	98	84.6 - 114

Method Blank (1) QC Batch: 39286

QC Batch:	39286	Date Analyzed:	2007-07-20	Analyzed By:	TG
Prep Batch:	34002	QC Preparation:	2007-07-20	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<1.06	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		18.6	mg/L	1	15.0	124	40.7 - 174

Method Blank (1) QC Batch: 39351

QC Batch:	39351	Date Analyzed:	2007-07-24	Analyzed By:	DS
Prep Batch:	34068	QC Preparation:	2007-07-23	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.00188	mg/L	0.005
N-Nitrosodimethylamine		<0.00180	mg/L	0.005
2-Picoline		<0.00181	mg/L	0.005
Methyl methanesulfonate		<0.00220	mg/L	0.005
Ethyl methanesulfonate		<0.00260	mg/L	0.005
Phenol		<0.00231	mg/L	0.005
Aniline		<0.00200	mg/L	0.005
bis(2-chloroethyl)ether		<0.00180	mg/L	0.005
2-Chlorophenol		<0.00190	mg/L	0.005
1,3-Dichlorobenzene (meta)		<0.00181	mg/L	0.005
1,4-Dichlorobenzene (para)		<0.00179	mg/L	0.005
Benzyl alcohol		<0.00244	mg/L	0.005
1,2-Dichlorobenzene (ortho)		<0.00173	mg/L	0.005
2-Methylphenol		<0.00230	mg/L	0.005
bis(2-chloroisopropyl)ether		<0.00209	mg/L	0.005
4-Methylphenol / 3-Methylphenol		<0.00229	mg/L	0.005
N-Nitrosodi-n-propylamine		<0.00236	mg/L	0.005
Hexachloroethane		<0.00189	mg/L	0.005
Acetophenone		<0.00211	mg/L	0.005
Nitrobenzene		<0.00192	mg/L	0.005
N-Nitrosopiperidine		<0.00208	mg/L	0.005
Isophorone		<0.00206	mg/L	0.005
2-Nitrophenol		<0.00189	mg/L	0.005
2,4-Dimethylphenol		<0.00209	mg/L	0.005
bis(2-chloroethoxy)methane		<0.00216	mg/L	0.005
2,4-Dichlorophenol		<0.00192	mg/L	0.005
1,2,4-Trichlorobenzene		<0.00176	mg/L	0.005
Benzoic acid		<0.00765	mg/L	0.005
Naphthalene		<0.00187	mg/L	0.005
a,a-Dimethylphenethylamine		<0.00146	mg/L	0.005
4-Chloroaniline		<0.00210	mg/L	0.005
2,6-Dichlorophenol		<0.00199	mg/L	0.01
Hexachlorobutadiene		<0.00186	mg/L	0.005
N-Nitroso-di-n-butylamine		<0.00214	mg/L	0.005
4-Chloro-3-methylphenol		<0.00182	mg/L	0.005
2-Methylnaphthalene		<0.00206	mg/L	0.005
1-Methylnaphthalene		<0.00205	mg/L	0.005
1,2,4,5-Tetrachlorobenzene		<0.00211	mg/L	0.005
Hexachlorocyclopentadiene		<0.00175	mg/L	0.005
2,4,6-Trichlorophenol		<0.00200	mg/L	0.01
2,4,5-Trichlorophenol		<0.00176	mg/L	0.005

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
2-Chloronaphthalene		<0.00200	mg/L	0.005
1-Chloronaphthalene		<0.00259	mg/L	0.005
2-Nitroaniline		<0.00167	mg/L	0.005
Dimethylphthalate		<0.00160	mg/L	0.005
Acenaphthylene		<0.00201	mg/L	0.005
2,6-Dinitrotoluene		<0.00158	mg/L	0.005
3-Nitroaniline		<0.00166	mg/L	0.005
Acenaphthene		<0.00191	mg/L	0.005
2,4-Dinitrophenol		<0.000621	mg/L	0.005
Dibenzofuran		<0.00185	mg/L	0.005
Pentachlorobenzene		<0.00189	mg/L	0.005
4-Nitrophenol		<0.00156	mg/L	0.025
2,4-Dinitrotoluene		<0.00187	mg/L	0.005
1-Naphthylamine		<0.00149	mg/L	0.005
2,3,4,6-Tetrachlorophenol		<0.00162	mg/L	0.01
2-Naphthylamine		<0.00157	mg/L	0.005
Fluorene		<0.00182	mg/L	0.005
4-Chlorophenyl-phenylether		<0.00188	mg/L	0.005
Diethylphthalate		<0.00182	mg/L	0.005
4-Nitroaniline		<0.00182	mg/L	0.005
Diphenylhydrazine		<0.00184	mg/L	0.005
4,6-Dinitro-2-methylphenol		<0.00109	mg/L	0.005
Diphenylamine		<0.00193	mg/L	0.005
4-Bromophenyl-phenylether		<0.00179	mg/L	0.005
Phenacetin		<0.00190	mg/L	0.005
Hexachlorobenzene		<0.00193	mg/L	0.005
4-Aminobiphenyl		<0.00185	mg/L	0.005
Pentachlorophenol		<0.00130	mg/L	0.01
Anthracene		<0.00190	mg/L	0.005
Pentachloronitrobenzene		<0.00187	mg/L	0.005
Pronamide		<0.00182	mg/L	0.005
Phenanthrene		<0.00186	mg/L	0.005
Di-n-butylphthalate		<0.00180	mg/L	0.005
Fluoranthene		<0.00184	mg/L	0.005
Benzidine		<0.00156	mg/L	0.025
Pyrene		<0.00165	mg/L	0.005
p-Dimethylaminoazobenzene		<0.00145	mg/L	0.005
Butylbenzylphthalate		<0.00165	mg/L	0.005
Benzo(a)anthracene		<0.00157	mg/L	0.005
3,3-Dichlorobenzidine		<0.00162	mg/L	0.005
Chrysene		<0.00162	mg/L	0.005
bis(2-ethylhexyl)phthalate		<0.00171	mg/L	0.005
Di-n-octylphthalate		<0.00136	mg/L	0.005
Benzo(b)fluoranthene		<0.00160	mg/L	0.005
Benzo(k)fluoranthene		<0.00179	mg/L	0.005
7,12-Dimethylbenz(a)anthracene		<0.00152	mg/L	0.005
Benzo(a)pyrene		<0.00161	mg/L	0.005
3-Methylcholanthrene		<0.00147	mg/L	0.005
Dibenzo(a,j)acridine		<0.00154	mg/L	0.005
Indeno(1,2,3-cd)pyrene		<0.00160	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Dibenzo(a,h)anthracene		<0.00180	mg/L	0.005
Benzo(g,h,i)perylene		<0.00166	mg/L	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0188	mg/L	1	0.0800	24	10 - 66.9
Phenol-d5		0.0138	mg/L	1	0.0800	17	10 - 50.7
Nitrobenzene-d5		0.0381	mg/L	1	0.0800	48	10 - 124
2-Fluorobiphenyl		0.0339	mg/L	1	0.0800	42	10 - 127
2,4,6-Tribromophenol		0.0364	mg/L	1	0.0800	46	10 - 138
Terphenyl-d14		0.0721	mg/L	1	0.0800	90	10 - 143

Method Blank (1) QC Batch: 39393

QC Batch:	39393	Date Analyzed:	2007-07-24	Analyzed By:	JG
Prep Batch:	34101	QC Preparation:	2007-07-24	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		1.25	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Dibromomethane (methylene bromide)		<0.406	μg/L	1
Bromodichloromethane		<0.325	μg/L	1
2-Chloroethyl vinyl ether		<0.366	μg/L	5
cis-1,3-Dichloropropene		<0.387	μg/L	1
trans-1,3-Dichloropropene		<0.367	μg/L	1
Toluene		<0.366	μg/L	1
1,1,2-Trichloroethane		<0.397	μg/L	1
1,3-Dichloropropane		<0.355	μg/L	1
Dibromochloromethane		<0.315	μg/L	1
1,2-Dibromoethane (EDB)		<0.340	μg/L	1
Tetrachloroethene (PCE)		<0.355	μg/L	1
Chlorobenzene		<0.363	μg/L	1
1,1,1,2-Tetrachloroethane		<0.338	μg/L	1
Ethylbenzene		<0.350	μg/L	1
m,p-Xylene		<0.752	μg/L	1
Bromoform		<0.275	μg/L	1
Styrene		<0.395	μg/L	1
o-Xylene		<0.375	μg/L	1
1,1,2,2-Tetrachloroethane		<0.283	μg/L	1
2-Chlorotoluene		<0.445	μg/L	1
1,2,3-Trichloropropane		<0.430	μg/L	1
Isopropylbenzene		<0.521	μg/L	1
Bromobenzene		<0.494	μg/L	1
n-Propylbenzene		<0.483	μg/L	1
1,3,5-Trimethylbenzene		<0.487	μg/L	1
tert-Butylbenzene		<0.496	μg/L	1
1,2,4-Trimethylbenzene		<0.532	μg/L	1
1,4-Dichlorobenzene (para)		<0.413	μg/L	1
sec-Butylbenzene		<0.449	μg/L	1
1,3-Dichlorobenzene (meta)		<0.451	μg/L	1
p-Isopropyltoluene		<0.450	μg/L	1
4-Chlorotoluene		<0.489	μg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	μg/L	1
n-Butylbenzene		<0.461	μg/L	1
1,2-Dibromo-3-chloropropane		<0.532	μg/L	5
1,2,3-Trichlorobenzene		2.48	μg/L	5
1,2,4-Trichlorobenzene		0.850	μg/L	5
Naphthalene		1.19	μg/L	5
Hexachlorobutadiene		1.92	μg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		44.2	μg/L	1	50.0	88	82.4 - 115
Toluene-d8		49.8	μg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		50.2	μg/L	1	50.0	100	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 39286 Date Analyzed: 2007-07-20 Analyzed By: TG
Prep Batch: 34002 QC Preparation: 2007-07-20 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	30.7	mg/L	1	25.0	<1.06	123	56.9 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	30.6	mg/L	1	25.0	<1.06	122	56.9 - 128	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	18.8	18.8	mg/L	1	15.0	125	125	40.7 - 174

Laboratory Control Spike (LCS-1)

QC Batch: 39351 Date Analyzed: 2007-07-24 Analyzed By: DS
Prep Batch: 34068 QC Preparation: 2007-07-23 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.0103	mg/L	1	0.0800	0	13	10 - 46.1
2-Chlorophenol	0.0266	mg/L	1	0.0800	0	33	10 - 123
1,4-Dichlorobenzene (para)	0.0376	mg/L	1	0.0800	0	47	10 - 118
N-Nitrosodi-n-propylamine	0.0783	mg/L	1	0.0800	0	98	10 - 132
1,2,4-Trichlorobenzene	0.0422	mg/L	1	0.0800	0	53	10 - 130
Naphthalene	0.0448	mg/L	1	0.0800	0	56	20.3 - 121
4-Chloro-3-methylphenol	0.0322	mg/L	1	0.0800	0	40	10 - 140
Acenaphthylene	0.0608	mg/L	1	0.0800	0	76	22.3 - 124
Acenaphthene	0.0561	mg/L	1	0.0800	0	70	18.8 - 134
Dibenzofuran	0.0597	mg/L	1	0.0800	0	75	37.5 - 102
4-Nitrophenol [1]	0.00646	mg/L	1	0.0800	0	8	10 - 135
2,4-Dinitrotoluene	0.0666	mg/L	1	0.0800	0	83	13.6 - 152
Fluorene	0.0586	mg/L	1	0.0800	0	73	29.7 - 114
Pentachlorophenol	0.0234	mg/L	1	0.0800	0	29	10 - 144
Anthracene	0.0662	mg/L	1	0.0800	0	83	48.2 - 118
Phenanthrene	0.0656	mg/L	1	0.0800	0	82	45.5 - 121
Fluoranthene	0.0709	mg/L	1	0.0800	0	89	42.7 - 126
Pyrene	0.0614	mg/L	1	0.0800	0	77	26.8 - 155
Benzo(a)anthracene	0.0620	mg/L	1	0.0800	0	78	60.2 - 97.3
Chrysene	0.0639	mg/L	1	0.0800	0	80	56 - 92.4
Benzo(b)fluoranthene	0.0603	mg/L	1	0.0800	0	75	73.9 - 102
Benzo(k)fluoranthene	0.0650	mg/L	1	0.0800	0	81	45.6 - 143
Benzo(a)pyrene	0.0682	mg/L	1	0.0800	0	85	54.8 - 122
Indeno(1,2,3-cd)pyrene	0.0723	mg/L	1	0.0800	0	90	61.4 - 118

continued ...

[1] 4-Nitrophenol out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dibenzo(a,h)anthracene	0.0705	mg/L	1	0.0800	0	88	64.9 - 118
Benzo(g,h,i)perylene	0.0700	mg/L	1	0.0800	0	88	46.8 - 129

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.0102	mg/L	1	0.0800	0	13	10 - 46.1	1	20
2-Chlorophenol	0.0266	mg/L	1	0.0800	0	33	10 - 123	0	20
1,4-Dichlorobenzene (para)	0.0374	mg/L	1	0.0800	0	47	10 - 118	0	20
N-Nitrosodi-n-propylamine	0.0795	mg/L	1	0.0800	0	99	10 - 132	2	20
1,2,4-Trichlorobenzene	0.0417	mg/L	1	0.0800	0	52	10 - 130	1	20
Naphthalene	0.0445	mg/L	1	0.0800	0	56	20.3 - 121	1	20
4-Chloro-3-methylphenol	0.0322	mg/L	1	0.0800	0	40	10 - 140	0	20
Acenaphthylene	0.0609	mg/L	1	0.0800	0	76	22.3 - 124	0	20
Acenaphthene	0.0560	mg/L	1	0.0800	0	70	18.8 - 134	0	20
Dibenzofuran	0.0594	mg/L	1	0.0800	0	74	37.5 - 102	0	20
4-Nitrophenol [2]	0.00624	mg/L	1	0.0800	0	8	10 - 135	4	20
2,4-Dinitrotoluene	0.0651	mg/L	1	0.0800	0	81	13.6 - 152	2	20
Fluorene	0.0577	mg/L	1	0.0800	0	72	29.7 - 114	2	20
Pentachlorophenol	0.0228	mg/L	1	0.0800	0	28	10 - 144	3	20
Anthracene	0.0658	mg/L	1	0.0800	0	82	48.2 - 118	1	20
Phenanthrene	0.0655	mg/L	1	0.0800	0	82	45.5 - 121	0	20
Fluoranthene	0.0706	mg/L	1	0.0800	0	88	42.7 - 126	0	20
Pyrene	0.0613	mg/L	1	0.0800	0	77	26.8 - 155	0	20
Benzo(a)anthracene	0.0619	mg/L	1	0.0800	0	77	60.2 - 97.3	0	20
Chrysene	0.0636	mg/L	1	0.0800	0	80	56 - 92.4	0	20
Benzo(b)fluoranthene	0.0599	mg/L	1	0.0800	0	75	73.9 - 102	1	20
Benzo(k)fluoranthene	0.0640	mg/L	1	0.0800	0	80	45.6 - 143	2	20
Benzo(a)pyrene	0.0682	mg/L	1	0.0800	0	85	54.8 - 122	0	20
Indeno(1,2,3-cd)pyrene	0.0717	mg/L	1	0.0800	0	90	61.4 - 118	1	20
Dibenzo(a,h)anthracene	0.0700	mg/L	1	0.0800	0	88	64.9 - 118	1	20
Benzo(g,h,i)perylene	0.0692	mg/L	1	0.0800	0	86	46.8 - 129	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0144	0.0141	mg/L	1	0.0800	18	18	10 - 109
Phenol-d5	0.0115	0.0114	mg/L	1	0.0800	14	14	10 - 61.5
Nitrobenzene-d5	0.0630	0.0626	mg/L	1	0.0800	79	78	10 - 139
2-Fluorobiphenyl	0.0598	0.0595	mg/L	1	0.0800	75	74	10 - 139
2,4,6-Tribromophenol	0.0394	0.0387	mg/L	1	0.0800	49	48	10 - 161
Terphenyl-d14	0.0750	0.0752	mg/L	1	0.0800	94	94	10 - 144

Laboratory Control Spike (LCS-1)

QC Batch:	39393	Date Analyzed:	2007-07-24	Analyzed By:	JG
Prep Batch:	34101	QC Preparation:	2007-07-24	Prepared By:	JG

[2] 4-Nitrophenol out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		47.6	µg/L	1	50.0	<0.351	95	85.7 - 113
Dichlorodifluoromethane		45.9	µg/L	1	50.0	<0.306	92	60.3 - 134
Chloromethane (methyl chloride)	[3]	30.8	µg/L	1	50.0	<0.240	62	72 - 120
Vinyl Chloride		38.7	µg/L	1	50.0	<0.224	77	64.4 - 132
Bromomethane (methyl bromide)		40.3	µg/L	1	50.0	<0.325	81	65.9 - 133
Chloroethane		33.9	µg/L	1	50.0	<0.303	68	65.3 - 132
Trichlorofluoromethane		47.6	µg/L	1	50.0	<0.255	95	52.7 - 159
Acetone	[4]	112	µg/L	1	50.0	<1.86	224	10 - 185
Iodomethane (methyl iodide)	[5]	56.5	µg/L	1	50.0	<0.397	113	80.9 - 112
Carbon Disulfide		47.4	µg/L	1	50.0	<0.354	95	73.7 - 120
Acrylonitrile		40.9	µg/L	1	50.0	<0.306	82	75.8 - 121
2-Butanone (MEK)	[6]	61.2	µg/L	1	50.0	<0.670	122	43.7 - 117
4-Methyl-2-pentanone (MIBK)		51.2	µg/L	1	50.0	<0.463	102	69.3 - 120
2-Hexanone		41.2	µg/L	1	50.0	<0.303	82	35.6 - 138
trans 1,4-Dichloro-2-butene		47.8	µg/L	1	50.0	<0.407	96	40 - 128
1,1-Dichloroethene		44.0	µg/L	1	50.0	<0.326	88	83.4 - 114
Methylene chloride		41.7	µg/L	1	50.0	<0.375	83	62.6 - 119
MTBE		43.5	µg/L	1	50.0	<0.352	87	70 - 132
trans-1,2-Dichloroethene		42.8	µg/L	1	50.0	<0.322	86	83.3 - 114
1,1-Dichloroethane		40.6	µg/L	1	50.0	<0.324	81	81 - 124
cis-1,2-Dichloroethene		43.2	µg/L	1	50.0	<0.331	86	83.8 - 115
2,2-Dichloropropane		46.2	µg/L	1	50.0	<0.440	92	37.9 - 136
1,2-Dichloroethane (EDC)		36.5	µg/L	1	50.0	<0.327	73	67.8 - 131
Chloroform		41.0	µg/L	1	50.0	<0.345	82	75.1 - 125
1,1,1-Trichloroethane		42.6	µg/L	1	50.0	<0.303	85	72.9 - 123
1,1-Dichloropropene		44.4	µg/L	1	50.0	<0.356	89	85.9 - 119
Benzene		45.0	µg/L	1	50.0	<0.356	90	83.5 - 115
Carbon Tetrachloride		49.7	µg/L	1	50.0	<0.342	99	62.7 - 144
1,2-Dichloropropane	[7]	42.9	µg/L	1	50.0	<0.366	86	88.8 - 114
Trichloroethene (TCE)		50.1	µg/L	1	50.0	<0.434	100	91.3 - 111
Dibromomethane (methylene bromide)		48.2	µg/L	1	50.0	<0.406	96	84.2 - 118
Bromodichloromethane		45.2	µg/L	1	50.0	<0.325	90	79.5 - 127
2-Chloroethyl vinyl ether		43.5	µg/L	1	50.0	<0.366	87	75.1 - 128
cis-1,3-Dichloropropene		49.0	µg/L	1	50.0	<0.387	98	83.2 - 119
trans-1,3-Dichloropropene		49.7	µg/L	1	50.0	<0.367	99	77.4 - 126
Toluene		43.5	µg/L	1	50.0	<0.366	87	82 - 110
1,1,2-Trichloroethane		45.5	µg/L	1	50.0	<0.397	91	77 - 123
1,3-Dichloropropane		45.4	µg/L	1	50.0	<0.355	91	81.1 - 124
Dibromochloromethane		52.3	µg/L	1	50.0	<0.315	105	79 - 129
1,2-Dibromoethane (EDB)		51.6	µg/L	1	50.0	<0.340	103	78.6 - 126
Tetrachloroethene (PCE)		51.7	µg/L	1	50.0	<0.355	103	36.7 - 173
Chlorobenzene		47.2	µg/L	1	50.0	<0.363	94	87.9 - 109
1,1,1,2-Tetrachloroethane		50.3	µg/L	1	50.0	<0.338	101	80.5 - 125
Ethylbenzene		45.3	µg/L	1	50.0	<0.350	91	82.4 - 116
m,p-Xylene		91.0	µg/L	1	100	<0.752	91	80 - 119
Bromoform		63.1	µg/L	1	50.0	<0.275	126	75.8 - 132

continued ...

[3] Spike recovery out of control limits. Samples non-detect. •
[4] Spike recovery out of control limits. Concentration biased high. •
[5] Spike recovery out of control limits. Concentration biased high. •
[6] Spike recovery out of control limits. Concentration biased high. •
[7] Spike recovery out of control limits. Samples non-detect. •

control spikes continued ...

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Styrene		54.4	µg/L	1	50.0	<0.395	109	84.2 - 117
o-Xylene		46.4	µg/L	1	50.0	<0.375	93	82.1 - 119
1,1,2,2-Tetrachloroethane		47.0	µg/L	1	50.0	<0.283	94	69.7 - 124
2-Chlorotoluene		42.6	µg/L	1	50.0	<0.445	85	76.5 - 123
1,2,3-Trichloropropane		47.0	µg/L	1	50.0	<0.430	94	66.3 - 130
Isopropylbenzene		44.0	µg/L	1	50.0	<0.521	88	78.3 - 123
Bromobenzene		43.0	µg/L	1	50.0	<0.494	86	79.9 - 122
n-Propylbenzene		40.3	µg/L	1	50.0	<0.483	81	72.6 - 122
1,3,5-Trimethylbenzene		43.7	µg/L	1	50.0	<0.487	87	69.6 - 127
tert-Butylbenzene		45.0	µg/L	1	50.0	<0.496	90	64 - 129
1,2,4-Trimethylbenzene		45.0	µg/L	1	50.0	<0.532	90	71 - 123
1,4-Dichlorobenzene (para)		46.8	µg/L	1	50.0	<0.413	94	74 - 118
sec-Butylbenzene		41.7	µg/L	1	50.0	<0.449	83	59.8 - 129
1,3-Dichlorobenzene (meta)		47.8	µg/L	1	50.0	<0.451	96	80.2 - 119
p-Isopropyltoluene		44.6	µg/L	1	50.0	<0.450	89	54.8 - 135
4-Chlorotoluene		43.8	µg/L	1	50.0	<0.489	88	78.9 - 124
1,2-Dichlorobenzene (ortho)		51.1	µg/L	1	50.0	<0.438	102	80 - 120
n-Butylbenzene		42.2	µg/L	1	50.0	<0.461	84	51.1 - 136
1,2-Dibromo-3-chloropropane		60.8	µg/L	1	50.0	<0.532	122	38.2 - 151
1,2,3-Trichlorobenzene	[8]	89.8	µg/L	1	50.0	<0.288	180	25.4 - 158
1,2,4-Trichlorobenzene		69.0	µg/L	1	50.0	<0.273	138	38.2 - 140
Naphthalene	[9]	91.0	µg/L	1	50.0	<0.299	182	33.3 - 152
Hexachlorobutadiene		62.0	µg/L	1	50.0	<0.483	124	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		47.7	µg/L	1	50.0	<0.351	95	85.7 - 113	0	20
Dichlorodifluoromethane		45.2	µg/L	1	50.0	<0.306	90	60.3 - 134	2	20
Chloromethane (methyl chloride)	[10]	31.2	µg/L	1	50.0	<0.240	62	72 - 120	1	20
Vinyl Chloride		39.4	µg/L	1	50.0	<0.224	79	64.4 - 132	2	20
Bromomethane (methyl bromide)		39.3	µg/L	1	50.0	<0.325	79	65.9 - 133	2	20
Chloroethane	[11]	32.7	µg/L	1	50.0	<0.303	65	65.3 - 132	4	20
Trichlorofluoromethane		47.3	µg/L	1	50.0	<0.255	95	52.7 - 159	1	20
Acetone		40.1	µg/L	1	50.0	<1.86	80	10 - 185	94	20
Iodomethane (methyl iodide)	[12]	57.0	µg/L	1	50.0	<0.397	114	80.9 - 112	1	20
Carbon Disulfide		47.4	µg/L	1	50.0	<0.354	95	73.7 - 120	0	20
Acrylonitrile		40.5	µg/L	1	50.0	<0.306	81	75.8 - 121	1	20
2-Butanone (MEK)		47.1	µg/L	1	50.0	<0.670	94	43.7 - 117	26	20
4-Methyl-2-pentanone (MIBK)		49.8	µg/L	1	50.0	<0.463	100	69.3 - 120	3	20
2-Hexanone		40.1	µg/L	1	50.0	<0.303	80	35.6 - 138	3	20
trans 1,4-Dichloro-2-butene		47.7	µg/L	1	50.0	<0.407	95	40 - 128	0	20
1,1-Dichloroethene		44.4	µg/L	1	50.0	<0.326	89	83.4 - 114	1	20
Methylene chloride		41.0	µg/L	1	50.0	<0.375	82	62.6 - 119	2	20
MTBE		43.4	µg/L	1	50.0	<0.352	87	70 - 132	0	20
trans-1,2-Dichloroethene		43.0	µg/L	1	50.0	<0.322	86	83.3 - 114	0	20

continued ...

[8] Spike recovery out of control limits. Concentration biased high. •
[9] Spike recovery out of control limits. Concentration biased high. •
[10] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[11] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[12] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethane		40.7	µg/L	1	50.0	<0.324	81	81 - 124	0	20
cis-1,2-Dichloroethene		43.4	µg/L	1	50.0	<0.331	87	83.8 - 115	0	20
2,2-Dichloropropane		45.7	µg/L	1	50.0	<0.440	91	37.9 - 136	1	20
1,2-Dichloroethane (EDC)		36.6	µg/L	1	50.0	<0.327	73	67.8 - 131	0	20
Chloroform		41.6	µg/L	1	50.0	<0.345	83	75.1 - 125	1	20
1,1,1-Trichloroethane		43.0	µg/L	1	50.0	<0.303	86	72.9 - 123	1	20
1,1-Dichloropropene		45.2	µg/L	1	50.0	<0.356	90	85.9 - 119	2	20
Benzene		45.5	µg/L	1	50.0	<0.356	91	83.5 - 115	1	20
Carbon Tetrachloride		50.7	µg/L	1	50.0	<0.342	101	62.7 - 144	2	20
1,2-Dichloropropane	[13]	43.1	µg/L	1	50.0	<0.366	86	88.8 - 114	0	20
Trichloroethene (TCE)		50.9	µg/L	1	50.0	<0.434	102	91.3 - 111	2	20
Dibromomethane (methylene bromide)		48.3	µg/L	1	50.0	<0.406	97	84.2 - 118	0	20
Bromodichloromethane		45.6	µg/L	1	50.0	<0.325	91	79.5 - 127	1	20
2-Chloroethyl vinyl ether		43.7	µg/L	1	50.0	<0.366	87	75.1 - 128	0	20
cis-1,3-Dichloropropene		49.4	µg/L	1	50.0	<0.387	99	83.2 - 119	1	20
trans-1,3-Dichloropropene		49.7	µg/L	1	50.0	<0.367	99	77.4 - 126	0	20
Toluene		44.1	µg/L	1	50.0	<0.366	88	82 - 110	1	20
1,1,2-Trichloroethane		45.8	µg/L	1	50.0	<0.397	92	77 - 123	1	20
1,3-Dichloropropane		45.8	µg/L	1	50.0	<0.355	92	81.1 - 124	1	20
Dibromochloromethane		52.9	µg/L	1	50.0	<0.315	106	79 - 129	1	20
1,2-Dibromoethane (EDB)		51.6	µg/L	1	50.0	<0.340	103	78.6 - 126	0	20
Tetrachloroethene (PCE)		52.7	µg/L	1	50.0	<0.355	105	36.7 - 173	2	20
Chlorobenzene		47.9	µg/L	1	50.0	<0.363	96	87.9 - 109	2	20
1,1,1,2-Tetrachloroethane		50.7	µg/L	1	50.0	<0.338	101	80.5 - 125	1	20
Ethylbenzene		45.8	µg/L	1	50.0	<0.350	92	82.4 - 116	1	20
m,p-Xylene		91.4	µg/L	1	100	<0.752	91	80 - 119	0	20
Bromoform		63.6	µg/L	1	50.0	<0.275	127	75.8 - 132	1	20
Styrene		54.8	µg/L	1	50.0	<0.395	110	84.2 - 117	1	20
o-Xylene		46.7	µg/L	1	50.0	<0.375	93	82.1 - 119	1	20
1,1,2,2-Tetrachloroethane		47.3	µg/L	1	50.0	<0.283	95	69.7 - 124	1	20
2-Chlorotoluene		42.9	µg/L	1	50.0	<0.445	86	76.5 - 123	1	20
1,2,3-Trichloropropane		47.5	µg/L	1	50.0	<0.430	95	66.3 - 130	1	20
Isopropylbenzene		44.3	µg/L	1	50.0	<0.521	89	78.3 - 123	1	20
Bromobenzene		43.6	µg/L	1	50.0	<0.494	87	79.9 - 122	1	20
n-Propylbenzene		40.7	µg/L	1	50.0	<0.483	81	72.6 - 122	1	20
1,3,5-Trimethylbenzene		44.3	µg/L	1	50.0	<0.487	89	69.6 - 127	1	20
tert-Butylbenzene		45.5	µg/L	1	50.0	<0.496	91	64 - 129	1	20
1,2,4-Trimethylbenzene		45.8	µg/L	1	50.0	<0.532	92	71 - 123	2	20
1,4-Dichlorobenzene (para)		46.9	µg/L	1	50.0	<0.413	94	74 - 118	0	20
sec-Butylbenzene		42.4	µg/L	1	50.0	<0.449	85	59.8 - 129	2	20
1,3-Dichlorobenzene (meta)		48.2	µg/L	1	50.0	<0.451	96	80.2 - 119	1	20
p-Isopropyltoluene		45.3	µg/L	1	50.0	<0.450	91	54.8 - 135	2	20
4-Chlorotoluene		44.0	µg/L	1	50.0	<0.489	88	78.9 - 124	0	20
1,2-Dichlorobenzene (ortho)		51.6	µg/L	1	50.0	<0.438	103	80 - 120	1	20
n-Butylbenzene		43.1	µg/L	1	50.0	<0.461	86	51.1 - 136	2	20
1,2-Dibromo-3-chloropropane		61.9	µg/L	1	50.0	<0.532	124	38.2 - 151	2	20
1,2,3-Trichlorobenzene	[14]	91.5	µg/L	1	50.0	<0.288	183	25.4 - 158	2	20
1,2,4-Trichlorobenzene		69.8	µg/L	1	50.0	<0.273	140	38.2 - 140	1	20

continued ...

[13] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[14] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Naphthalene	[15]	92.3	μg/L	1	50.0	<0.299	185	33.3 - 152	1	20
Hexachlorobutadiene		62.6	μg/L	1	50.0	<0.483	125	49.1 - 134	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	44.5	44.3	μg/L	1	50.0	89	89	82.4 - 115
Toluene-d8	49.0	48.6	μg/L	1	50.0	98	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)	50.3	50.3	μg/L	1	50.0	101	101	84.6 - 114

Matrix Spike (MS-1) Spiked Sample: 130511

QC Batch: 39286 Date Analyzed: 2007-07-20 Analyzed By: TG
Prep Batch: 34002 QC Preparation: 2007-07-20 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	24.0	mg/L	1	25.0	<1.06	96	61.9 - 112.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	24.9	mg/L	1	25.0	<1.06	100	61.9 - 112.2	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	22.6	23.1	mg/L	1	15	151	154	40.7 - 174

Standard (ICV-1)

QC Batch: 39286 Date Analyzed: 2007-07-20 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	281	112	85 - 115	2007-07-20

Standard (CCV-1)

QC Batch: 39286 Date Analyzed: 2007-07-20 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	281	112	85 - 115	2007-07-20

[15] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

Standard (CCV-1)

QC Batch: 39351 Date Analyzed: 2007-07-24 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60.0	67.8	113	80 - 120	2007-07-24
1,4-Dichlorobenzene (para)		mg/L	60.0	59.8	100	80 - 120	2007-07-24
2-Nitrophenol		mg/L	60.0	63.9	106	80 - 120	2007-07-24
2,4-Dichlorophenol		mg/L	60.0	63.3	106	80 - 120	2007-07-24
Hexachlorobutadiene		mg/L	60.0	60.5	101	80 - 120	2007-07-24
4-Chloro-3-methylphenol		mg/L	60.0	57.5	96	80 - 120	2007-07-24
2,4,6-Trichlorophenol		mg/L	60.0	62.7	104	80 - 120	2007-07-24
Acenaphthene		mg/L	60.0	57.6	96	80 - 120	2007-07-24
Diphenylamine		mg/L	60.0	62.3	104	80 - 120	2007-07-24
Pentachlorophenol		mg/L	60.0	63.4	106	80 - 120	2007-07-24
Fluoranthene		mg/L	60.0	59.5	99	80 - 120	2007-07-24
Di-n-octylphthalate		mg/L	60.0	63.4	106	80 - 120	2007-07-24
Benzo(a)pyrene		mg/L	60.0	61.1	102	80 - 120	2007-07-24

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		61.4	mg/L	1	60.0	102	80 - 120
Phenol-d5		64.0	mg/L	1	60.0	107	80 - 120
Nitrobenzene-d5		61.4	mg/L	1	60.0	102	80 - 120
2-Fluorobiphenyl		57.8	mg/L	1	60.0	96	80 - 120
2,4,6-Tribromophenol		67.8	mg/L	1	60.0	113	80 - 120
Terphenyl-d14		61.2	mg/L	1	60.0	102	80 - 120

Standard (CCV-1)

QC Batch: 39393 Date Analyzed: 2007-07-24 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	48.4	97	70 - 130	2007-07-24
Dichlorodifluoromethane		µg/L	50.0	48.9	98	70 - 130	2007-07-24
Chloromethane (methyl chloride)	[16]	µg/L	50.0	32.3	65	70 - 130	2007-07-24
Vinyl Chloride		µg/L	50.0	40.8	82	80 - 120	2007-07-24
Bromomethane (methyl bromide)		µg/L	50.0	42.2	84	70 - 130	2007-07-24
Chloroethane		µg/L	50.0	35.8	72	70 - 130	2007-07-24
Trichlorofluoromethane		µg/L	50.0	49.7	99	70 - 130	2007-07-24
Acetone	[17]	µg/L	50.0	123	246	70 - 130	2007-07-24
Iodomethane (methyl iodide)		µg/L	50.0	57.9	116	70 - 130	2007-07-24
Carbon Disulfide		µg/L	50.0	48.5	97	70 - 130	2007-07-24
Acrylonitrile		µg/L	50.0	41.0	82	70 - 130	2007-07-24
2-Butanone (MEK)		µg/L	50.0	65.1	130	70 - 130	2007-07-24

continued ...

[16] Chloromethane outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

[17] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	52.0	104	70 - 130	2007-07-24
2-Hexanone		µg/L	50.0	43.4	87	70 - 130	2007-07-24
trans 1,4-Dichloro-2-butene		µg/L	50.0	48.2	96	70 - 130	2007-07-24
1,1-Dichloroethene		µg/L	50.0	45.0	90	80 - 120	2007-07-24
Methylene chloride		µg/L	50.0	42.4	85	70 - 130	2007-07-24
MTBE		µg/L	50.0	43.5	87	70 - 130	2007-07-24
trans-1,2-Dichloroethene		µg/L	50.0	43.1	86	70 - 130	2007-07-24
1,1-Dichloroethane		µg/L	50.0	41.2	82	70 - 130	2007-07-24
cis-1,2-Dichloroethene		µg/L	50.0	44.2	88	70 - 130	2007-07-24
2,2-Dichloropropane		µg/L	50.0	47.5	95	70 - 130	2007-07-24
1,2-Dichloroethane (EDC)		µg/L	50.0	36.8	74	70 - 130	2007-07-24
Chloroform		µg/L	50.0	41.6	83	80 - 120	2007-07-24
1,1,1-Trichloroethane		µg/L	50.0	43.3	87	70 - 130	2007-07-24
1,1-Dichloropropene		µg/L	50.0	45.1	90	70 - 130	2007-07-24
Benzene		µg/L	50.0	46.0	92	70 - 130	2007-07-24
Carbon Tetrachloride		µg/L	50.0	50.1	100	70 - 130	2007-07-24
1,2-Dichloropropane		µg/L	50.0	43.7	87	80 - 120	2007-07-24
Trichloroethene (TCE)		µg/L	50.0	51.2	102	70 - 130	2007-07-24
Dibromomethane (methylene bromide)		µg/L	50.0	47.8	96	70 - 130	2007-07-24
Bromodichloromethane		µg/L	50.0	45.5	91	70 - 130	2007-07-24
2-Chloroethyl vinyl ether		µg/L	50.0	44.2	88	70 - 130	2007-07-24
cis-1,3-Dichloropropene		µg/L	50.0	49.8	100	70 - 130	2007-07-24
trans-1,3-Dichloropropene		µg/L	50.0	49.7	99	70 - 130	2007-07-24
Toluene		µg/L	50.0	44.5	89	80 - 120	2007-07-24
1,1,2-Trichloroethane		µg/L	50.0	46.0	92	70 - 130	2007-07-24
1,3-Dichloropropane		µg/L	50.0	45.7	91	70 - 130	2007-07-24
Dibromochloromethane		µg/L	50.0	52.9	106	70 - 130	2007-07-24
1,2-Dibromoethane (EDB)		µg/L	50.0	51.9	104	70 - 130	2007-07-24
Tetrachloroethene (PCE)		µg/L	50.0	53.0	106	70 - 130	2007-07-24
Chlorobenzene		µg/L	50.0	48.2	96	80 - 120	2007-07-24
1,1,1,2-Tetrachloroethane		µg/L	50.0	50.9	102	70 - 130	2007-07-24
Ethylbenzene		µg/L	50.0	46.0	92	80 - 120	2007-07-24
m,p-Xylene		µg/L	100	92.1	92	70 - 130	2007-07-24
Bromoform		µg/L	50.0	63.0	126	70 - 130	2007-07-24
Styrene		µg/L	50.0	55.2	110	70 - 130	2007-07-24
o-Xylene		µg/L	50.0	47.0	94	70 - 130	2007-07-24
1,1,2,2-Tetrachloroethane		µg/L	50.0	47.5	95	70 - 130	2007-07-24
2-Chlorotoluene		µg/L	50.0	43.0	86	70 - 130	2007-07-24
1,2,3-Trichloropropane		µg/L	50.0	47.2	94	70 - 130	2007-07-24
Isopropylbenzene		µg/L	50.0	44.2	88	70 - 130	2007-07-24
Bromobenzene		µg/L	50.0	43.3	87	70 - 130	2007-07-24
n-Propylbenzene		µg/L	50.0	40.6	81	70 - 130	2007-07-24
1,3,5-Trimethylbenzene		µg/L	50.0	44.2	88	70 - 130	2007-07-24
tert-Butylbenzene		µg/L	50.0	45.1	90	70 - 130	2007-07-24
1,2,4-Trimethylbenzene		µg/L	50.0	45.4	91	70 - 130	2007-07-24
1,4-Dichlorobenzene (para)		µg/L	50.0	47.1	94	70 - 130	2007-07-24
sec-Butylbenzene		µg/L	50.0	42.1	84	70 - 130	2007-07-24
1,3-Dichlorobenzene (meta)		µg/L	50.0	48.4	97	70 - 130	2007-07-24
p-Isopropyltoluene		µg/L	50.0	45.4	91	70 - 130	2007-07-24

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
4-Chlorotoluene		µg/L	50.0	44.2	88	70 - 130	2007-07-24
1,2-Dichlorobenzene (ortho)		µg/L	50.0	51.5	103	70 - 130	2007-07-24
n-Butylbenzene		µg/L	50.0	42.8	86	70 - 130	2007-07-24
1,2-Dibromo-3-chloropropane		µg/L	50.0	56.2	112	70 - 130	2007-07-24
1,2,3-Trichlorobenzene	[18]	µg/L	50.0	80.8	162	70 - 130	2007-07-24
1,2,4-Trichlorobenzene	[19]	µg/L	50.0	66.0	132	70 - 130	2007-07-24
Naphthalene	[20]	µg/L	50.0	77.0	154	70 - 130	2007-07-24
Hexachlorobutadiene		µg/L	50.0	61.4	123	70 - 130	2007-07-24

Standard (CCV-2)

QC Batch: 39393 Date Analyzed: 2007-07-24 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	48.3	97	70 - 130	2007-07-24
Dichlorodifluoromethane		µg/L	50.0	50.1	100	70 - 130	2007-07-24
Chloromethane (methyl chloride)		µg/L	50.0	35.8	72	70 - 130	2007-07-24
Vinyl Chloride		µg/L	50.0	44.7	89	80 - 120	2007-07-24
Bromomethane (methyl bromide)		µg/L	50.0	50.3	101	70 - 130	2007-07-24
Chloroethane		µg/L	50.0	42.5	85	70 - 130	2007-07-24
Trichlorofluoromethane		µg/L	50.0	53.4	107	70 - 130	2007-07-24
Acetone		µg/L	50.0	46.3	93	70 - 130	2007-07-24
Iodomethane (methyl iodide)		µg/L	50.0	56.9	114	70 - 130	2007-07-24
Carbon Disulfide		µg/L	50.0	49.1	98	70 - 130	2007-07-24
Acrylonitrile		µg/L	50.0	43.9	88	70 - 130	2007-07-24
2-Butanone (MEK)		µg/L	50.0	47.1	94	70 - 130	2007-07-24
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	50.1	100	70 - 130	2007-07-24
2-Hexanone		µg/L	50.0	44.6	89	70 - 130	2007-07-24
trans 1,4-Dichloro-2-butene		µg/L	50.0	43.2	86	70 - 130	2007-07-24
1,1-Dichloroethene		µg/L	50.0	45.0	90	80 - 120	2007-07-24
Methylene chloride		µg/L	50.0	42.3	85	70 - 130	2007-07-24
MTBE		µg/L	50.0	45.2	90	70 - 130	2007-07-24
trans-1,2-Dichloroethene		µg/L	50.0	43.8	88	70 - 130	2007-07-24
1,1-Dichloroethane		µg/L	50.0	43.8	88	70 - 130	2007-07-24
cis-1,2-Dichloroethene		µg/L	50.0	44.2	88	70 - 130	2007-07-24
2,2-Dichloropropane	[21]	µg/L	50.0	34.0	68	70 - 130	2007-07-24
1,2-Dichloroethane (EDC)		µg/L	50.0	41.3	83	70 - 130	2007-07-24
Chloroform		µg/L	50.0	44.1	88	80 - 120	2007-07-24
1,1,1-Trichloroethane		µg/L	50.0	45.7	91	70 - 130	2007-07-24
1,1-Dichloropropene		µg/L	50.0	45.7	91	70 - 130	2007-07-24

continued ...

[18] 1,2,3-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

[19] 1,2,4-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

[20] Naphthalene outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

[21] 2,2-Dichloropropane outside of control limits on CCV(ICV). CCV(ICV) component average is 95 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		µg/L	50.0	45.7	91	70 - 130	2007-07-24
Carbon Tetrachloride		µg/L	50.0	51.8	104	70 - 130	2007-07-24
1,2-Dichloropropane		µg/L	50.0	45.0	90	80 - 120	2007-07-24
Trichloroethene (TCE)		µg/L	50.0	49.3	99	70 - 130	2007-07-24
Dibromomethane (methylene bromide)		µg/L	50.0	49.4	99	70 - 130	2007-07-24
Bromodichloromethane		µg/L	50.0	46.9	94	70 - 130	2007-07-24
2-Chloroethyl vinyl ether		µg/L	50.0	45.6	91	70 - 130	2007-07-24
cis-1,3-Dichloropropene		µg/L	50.0	47.1	94	70 - 130	2007-07-24
trans-1,3-Dichloropropene		µg/L	50.0	48.2	96	70 - 130	2007-07-24
Toluene		µg/L	50.0	44.2	88	80 - 120	2007-07-24
1,1,2-Trichloroethane		µg/L	50.0	45.8	92	70 - 130	2007-07-24
1,3-Dichloropropane		µg/L	50.0	46.2	92	70 - 130	2007-07-24
Dibromochloromethane		µg/L	50.0	52.4	105	70 - 130	2007-07-24
1,2-Dibromoethane (EDB)		µg/L	50.0	50.6	101	70 - 130	2007-07-24
Tetrachloroethene (PCE)		µg/L	50.0	51.6	103	70 - 130	2007-07-24
Chlorobenzene		µg/L	50.0	47.1	94	80 - 120	2007-07-24
1,1,1,2-Tetrachloroethane		µg/L	50.0	50.7	101	70 - 130	2007-07-24
Ethylbenzene		µg/L	50.0	46.3	93	80 - 120	2007-07-24
m,p-Xylene		µg/L	100	92.3	92	70 - 130	2007-07-24
Bromoform		µg/L	50.0	60.8	122	70 - 130	2007-07-24
Styrene		µg/L	50.0	54.0	108	70 - 130	2007-07-24
o-Xylene		µg/L	50.0	47.1	94	70 - 130	2007-07-24
1,1,2,2-Tetrachloroethane		µg/L	50.0	46.4	93	70 - 130	2007-07-24
2-Chlorotoluene		µg/L	50.0	43.1	86	70 - 130	2007-07-24
1,2,3-Trichloropropane		µg/L	50.0	44.8	90	70 - 130	2007-07-24
Isopropylbenzene		µg/L	50.0	43.5	87	70 - 130	2007-07-24
Bromobenzene		µg/L	50.0	43.2	86	70 - 130	2007-07-24
n-Propylbenzene		µg/L	50.0	40.3	81	70 - 130	2007-07-24
1,3,5-Trimethylbenzene		µg/L	50.0	43.6	87	70 - 130	2007-07-24
tert-Butylbenzene		µg/L	50.0	43.9	88	70 - 130	2007-07-24
1,2,4-Trimethylbenzene		µg/L	50.0	44.6	89	70 - 130	2007-07-24
1,4-Dichlorobenzene (para)		µg/L	50.0	45.1	90	70 - 130	2007-07-24
sec-Butylbenzene		µg/L	50.0	40.7	81	70 - 130	2007-07-24
1,3-Dichlorobenzene (meta)		µg/L	50.0	46.3	93	70 - 130	2007-07-24
p-Isopropyltoluene		µg/L	50.0	42.9	86	70 - 130	2007-07-24
4-Chlorotoluene		µg/L	50.0	43.4	87	70 - 130	2007-07-24
1,2-Dichlorobenzene (ortho)		µg/L	50.0	49.2	98	70 - 130	2007-07-24
n-Butylbenzene		µg/L	50.0	40.4	81	70 - 130	2007-07-24
1,2-Dibromo-3-chloropropane		µg/L	50.0	55.1	110	70 - 130	2007-07-24
1,2,3-Trichlorobenzene		µg/L	50.0	60.2	120	70 - 130	2007-07-24
1,2,4-Trichlorobenzene		µg/L	50.0	54.5	109	70 - 130	2007-07-24
Naphthalene	[22]	µg/L	50.0	66.0	132	70 - 130	2007-07-24
Hexachlorobutadiene		µg/L	50.0	49.0	98	70 - 130	2007-07-24

[22] Naphthalene outside of control limits on CCV(ICV). CCV(ICV) component average is 95 which is within acceptable range. This is acceptable by Method 8000.

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 10, 2007

Work Order: 7072023

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
130511	0204-EB-006-0707	water	2007-07-19	13:40	2007-07-20
130512	0204-TB-901-0707	water	2007-07-19	13:40	2007-07-20

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 22 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-20 and assigned to work order 7072023. Samples for work order 7072023 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C
TPH DRO	Mod. 8015B
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7072023 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 130511 - 0204-EB-006-0707

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	39351	Date Analyzed:	2007-07-24	Analyzed By:	DS
Prep Batch:	34068	Sample Preparation:	2007-07-23	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500	mg/L	1	0.00500
Isophorone		<0.00500	mg/L	1	0.00500
2-Nitrophenol		<0.00500	mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500	mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500	mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500	mg/L	1	0.00500
Benzoic acid		<0.00500	mg/L	1	0.00500
Naphthalene		<0.00500	mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500	mg/L	1	0.00500
4-Chloroaniline		<0.00500	mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100	mg/L	1	0.0100
Hexachlorobutadiene		<0.00500	mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500	mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500	mg/L	1	0.00500
2-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500	mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500	mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100	mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500	mg/L	1	0.00500
2-Chloronaphthalene		<0.00500	mg/L	1	0.00500
1-Chloronaphthalene		<0.00500	mg/L	1	0.00500
2-Nitroaniline		<0.00500	mg/L	1	0.00500

continued ...

sample 130511 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.00500	mg/L	1	0.00500
Acenaphthylene		<0.00500	mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500	mg/L	1	0.00500
3-Nitroaniline		<0.00500	mg/L	1	0.00500
Acenaphthene		<0.00500	mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500	mg/L	1	0.00500
Dibenzofuran		<0.00500	mg/L	1	0.00500
Pentachlorobenzene		<0.00500	mg/L	1	0.00500
4-Nitrophenol		<0.0250	mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500	mg/L	1	0.00500
1-Naphthylamine		<0.00500	mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100	mg/L	1	0.0100
2-Naphthylamine		<0.00500	mg/L	1	0.00500
Fluorene		<0.00500	mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500	mg/L	1	0.00500
Diethylphthalate		<0.00500	mg/L	1	0.00500
4-Nitroaniline		<0.00500	mg/L	1	0.00500
Diphenylhydrazine		<0.00500	mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500	mg/L	1	0.00500
Diphenylamine		<0.00500	mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500	mg/L	1	0.00500
Phenacetin		<0.00500	mg/L	1	0.00500
Hexachlorobenzene		<0.00500	mg/L	1	0.00500
4-Aminobiphenyl		<0.00500	mg/L	1	0.00500
Pentachlorophenol		<0.0100	mg/L	1	0.0100
Anthracene		<0.00500	mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500	mg/L	1	0.00500
Pronamide		<0.00500	mg/L	1	0.00500
Phenanthrene		<0.00500	mg/L	1	0.00500
Di-n-butylphthalate		<0.00500	mg/L	1	0.00500
Fluoranthene		<0.00500	mg/L	1	0.00500
Benzidine		<0.0250	mg/L	1	0.0250
Pyrene		<0.00500	mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500	mg/L	1	0.00500
Butylbenzylphthalate		<0.00500	mg/L	1	0.00500
Benzo(a)anthracene		<0.00500	mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500	mg/L	1	0.00500
Chrysene		<0.00500	mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500	mg/L	1	0.00500
Di-n-octylphthalate		<0.00500	mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500	mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500	mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500	mg/L	1	0.00500
Benzo(a)pyrene		<0.00500	mg/L	1	0.00500
3-Methylcholanthrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500	mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500	mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500	mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0220	mg/L	1	0.0800	28	10 - 84.7
Phenol-d5		0.0155	mg/L	1	0.0800	19	10 - 54.9
Nitrobenzene-d5		0.0494	mg/L	1	0.0800	62	10 - 202
2-Fluorobiphenyl		0.0500	mg/L	1	0.0800	62	10 - 199
2,4,6-Tribromophenol		0.0544	mg/L	1	0.0800	68	10 - 141
Terphenyl-d14		0.0787	mg/L	1	0.0800	98	10 - 160

Sample: 130511 - 0204-EB-006-0707

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39286	Date Analyzed:	2007-07-20	Analyzed By:	TG
Prep Batch:	34002	Sample Preparation:	2007-07-20	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		21.5	mg/L	1	15.0	143	40.7 - 174

Sample: 130511 - 0204-EB-006-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39393	Date Analyzed:	2007-07-24	Analyzed By:	JG
Prep Batch:	34101	Sample Preparation:	2007-07-24	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	μg/L	1	1.00
Dichlorodifluoromethane		<1.00	μg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	μg/L	1	1.00
Vinyl Chloride		<1.00	μg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	μg/L	1	5.00
Chloroethane		<1.00	μg/L	1	1.00
Trichlorofluoromethane		<1.00	μg/L	1	1.00
Acetone		<10.0	μg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	μg/L	1	5.00
Carbon Disulfide		<1.00	μg/L	1	1.00
Acrylonitrile		<1.00	μg/L	1	1.00
2-Butanone (MEK)		<5.00	μg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	μg/L	1	5.00
2-Hexanone		<5.00	μg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	μg/L	1	10.0
1,1-Dichloroethene		<1.00	μg/L	1	1.00
Methylene chloride		<5.00	μg/L	1	5.00
MTBE		<1.00	μg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	μg/L	1	1.00
1,1-Dichloroethane		<1.00	μg/L	1	1.00

continued ...

sample 130511 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
cis-1,2-Dichloroethene		<1.00	μg/L	1	1.00
2,2-Dichloropropane		<1.00	μg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	μg/L	1	1.00
Chloroform		<1.00	μg/L	1	1.00
1,1,1-Trichloroethane		<1.00	μg/L	1	1.00
1,1-Dichloropropene		<1.00	μg/L	1	1.00
Benzene		<1.00	μg/L	1	1.00
Carbon Tetrachloride		<1.00	μg/L	1	1.00
1,2-Dichloropropane		<1.00	μg/L	1	1.00
Trichloroethene (TCE)		<1.00	μg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	μg/L	1	1.00
Bromodichloromethane		<1.00	μg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	μg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	μg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	μg/L	1	1.00
Toluene		<1.00	μg/L	1	1.00
1,1,2-Trichloroethane		<1.00	μg/L	1	1.00
1,3-Dichloropropane		<1.00	μg/L	1	1.00
Dibromochloromethane		<1.00	μg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	μg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	μg/L	1	1.00
Chlorobenzene		<1.00	μg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	μg/L	1	1.00
Ethylbenzene		<1.00	μg/L	1	1.00
m,p-Xylene		<1.00	μg/L	1	1.00
Bromoform		<1.00	μg/L	1	1.00
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	μg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		44.5	µg/L	1	50.0	89	82.4 - 115
Toluene-d8		49.9	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.7	µg/L	1	50.0	99	84.6 - 114

Sample: 130512 - 0204-TB-901-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39393	Date Analyzed:	2007-07-24	Analyzed By:	JG
Prep Batch:	34101	Sample Preparation:	2007-07-24	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

continued ...

sample 130512 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dibromochloromethane		<1.00	μg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	μg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	μg/L	1	1.00
Chlorobenzene		<1.00	μg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	μg/L	1	1.00
Ethylbenzene		<1.00	μg/L	1	1.00
m,p-Xylene		<1.00	μg/L	1	1.00
Bromoform		<1.00	μg/L	1	1.00
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	μg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		43.9	μg/L	1	50.0	88	82.4 - 115
Toluene-d8		49.1	μg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.2	μg/L	1	50.0	98	84.6 - 114

Method Blank (1) QC Batch: 39286

QC Batch:	39286	Date Analyzed:	2007-07-20	Analyzed By:	TG
Prep Batch:	34002	QC Preparation:	2007-07-20	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<1.06	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		18.6	mg/L	1	15.0	124	40.7 - 174

Method Blank (1) QC Batch: 39351

QC Batch:	39351	Date Analyzed:	2007-07-24	Analyzed By:	DS
Prep Batch:	34068	QC Preparation:	2007-07-23	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.00188	mg/L	0.005
N-Nitrosodimethylamine		<0.00180	mg/L	0.005
2-Picoline		<0.00181	mg/L	0.005
Methyl methanesulfonate		<0.00220	mg/L	0.005
Ethyl methanesulfonate		<0.00260	mg/L	0.005
Phenol		<0.00231	mg/L	0.005
Aniline		<0.00200	mg/L	0.005
bis(2-chloroethyl)ether		<0.00180	mg/L	0.005
2-Chlorophenol		<0.00190	mg/L	0.005
1,3-Dichlorobenzene (meta)		<0.00181	mg/L	0.005
1,4-Dichlorobenzene (para)		<0.00179	mg/L	0.005
Benzyl alcohol		<0.00244	mg/L	0.005
1,2-Dichlorobenzene (ortho)		<0.00173	mg/L	0.005
2-Methylphenol		<0.00230	mg/L	0.005
bis(2-chloroisopropyl)ether		<0.00209	mg/L	0.005
4-Methylphenol / 3-Methylphenol		<0.00229	mg/L	0.005
N-Nitrosodi-n-propylamine		<0.00236	mg/L	0.005
Hexachloroethane		<0.00189	mg/L	0.005
Acetophenone		<0.00211	mg/L	0.005
Nitrobenzene		<0.00192	mg/L	0.005
N-Nitrosopiperidine		<0.00208	mg/L	0.005
Isophorone		<0.00206	mg/L	0.005
2-Nitrophenol		<0.00189	mg/L	0.005
2,4-Dimethylphenol		<0.00209	mg/L	0.005
bis(2-chloroethoxy)methane		<0.00216	mg/L	0.005
2,4-Dichlorophenol		<0.00192	mg/L	0.005
1,2,4-Trichlorobenzene		<0.00176	mg/L	0.005
Benzoic acid		<0.00765	mg/L	0.005
Naphthalene		<0.00187	mg/L	0.005
a,a-Dimethylphenethylamine		<0.00146	mg/L	0.005
4-Chloroaniline		<0.00210	mg/L	0.005
2,6-Dichlorophenol		<0.00199	mg/L	0.01
Hexachlorobutadiene		<0.00186	mg/L	0.005
N-Nitroso-di-n-butylamine		<0.00214	mg/L	0.005
4-Chloro-3-methylphenol		<0.00182	mg/L	0.005
2-Methylnaphthalene		<0.00206	mg/L	0.005
1-Methylnaphthalene		<0.00205	mg/L	0.005
1,2,4,5-Tetrachlorobenzene		<0.00211	mg/L	0.005
Hexachlorocyclopentadiene		<0.00175	mg/L	0.005
2,4,6-Trichlorophenol		<0.00200	mg/L	0.01
2,4,5-Trichlorophenol		<0.00176	mg/L	0.005

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
2-Chloronaphthalene		<0.00200	mg/L	0.005
1-Chloronaphthalene		<0.00259	mg/L	0.005
2-Nitroaniline		<0.00167	mg/L	0.005
Dimethylphthalate		<0.00160	mg/L	0.005
Acenaphthylene		<0.00201	mg/L	0.005
2,6-Dinitrotoluene		<0.00158	mg/L	0.005
3-Nitroaniline		<0.00166	mg/L	0.005
Acenaphthene		<0.00191	mg/L	0.005
2,4-Dinitrophenol		<0.000621	mg/L	0.005
Dibenzofuran		<0.00185	mg/L	0.005
Pentachlorobenzene		<0.00189	mg/L	0.005
4-Nitrophenol		<0.00156	mg/L	0.025
2,4-Dinitrotoluene		<0.00187	mg/L	0.005
1-Naphthylamine		<0.00149	mg/L	0.005
2,3,4,6-Tetrachlorophenol		<0.00162	mg/L	0.01
2-Naphthylamine		<0.00157	mg/L	0.005
Fluorene		<0.00182	mg/L	0.005
4-Chlorophenyl-phenylether		<0.00188	mg/L	0.005
Diethylphthalate		<0.00182	mg/L	0.005
4-Nitroaniline		<0.00182	mg/L	0.005
Diphenylhydrazine		<0.00184	mg/L	0.005
4,6-Dinitro-2-methylphenol		<0.00109	mg/L	0.005
Diphenylamine		<0.00193	mg/L	0.005
4-Bromophenyl-phenylether		<0.00179	mg/L	0.005
Phenacetin		<0.00190	mg/L	0.005
Hexachlorobenzene		<0.00193	mg/L	0.005
4-Aminobiphenyl		<0.00185	mg/L	0.005
Pentachlorophenol		<0.00130	mg/L	0.01
Anthracene		<0.00190	mg/L	0.005
Pentachloronitrobenzene		<0.00187	mg/L	0.005
Pronamide		<0.00182	mg/L	0.005
Phenanthrene		<0.00186	mg/L	0.005
Di-n-butylphthalate		<0.00180	mg/L	0.005
Fluoranthene		<0.00184	mg/L	0.005
Benzidine		<0.00156	mg/L	0.025
Pyrene		<0.00165	mg/L	0.005
p-Dimethylaminoazobenzene		<0.00145	mg/L	0.005
Butylbenzylphthalate		<0.00165	mg/L	0.005
Benzo(a)anthracene		<0.00157	mg/L	0.005
3,3-Dichlorobenzidine		<0.00162	mg/L	0.005
Chrysene		<0.00162	mg/L	0.005
bis(2-ethylhexyl)phthalate		<0.00171	mg/L	0.005
Di-n-octylphthalate		<0.00136	mg/L	0.005
Benzo(b)fluoranthene		<0.00160	mg/L	0.005
Benzo(k)fluoranthene		<0.00179	mg/L	0.005
7,12-Dimethylbenz(a)anthracene		<0.00152	mg/L	0.005
Benzo(a)pyrene		<0.00161	mg/L	0.005
3-Methylcholanthrene		<0.00147	mg/L	0.005
Dibenzo(a,j)acridine		<0.00154	mg/L	0.005
Indeno(1,2,3-cd)pyrene		<0.00160	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Dibenzo(a,h)anthracene		<0.00180	mg/L	0.005
Benzo(g,h,i)perylene		<0.00166	mg/L	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0188	mg/L	1	0.0800	24	10 - 66.9
Phenol-d5		0.0138	mg/L	1	0.0800	17	10 - 50.7
Nitrobenzene-d5		0.0381	mg/L	1	0.0800	48	10 - 124
2-Fluorobiphenyl		0.0339	mg/L	1	0.0800	42	10 - 127
2,4,6-Tribromophenol		0.0364	mg/L	1	0.0800	46	10 - 138
Terphenyl-d14		0.0721	mg/L	1	0.0800	90	10 - 143

Method Blank (1) QC Batch: 39393

QC Batch:	39393	Date Analyzed:	2007-07-24	Analyzed By:	JG
Prep Batch:	34101	QC Preparation:	2007-07-24	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		1.25	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Dibromomethane (methylene bromide)		<0.406	μg/L	1
Bromodichloromethane		<0.325	μg/L	1
2-Chloroethyl vinyl ether		<0.366	μg/L	5
cis-1,3-Dichloropropene		<0.387	μg/L	1
trans-1,3-Dichloropropene		<0.367	μg/L	1
Toluene		<0.366	μg/L	1
1,1,2-Trichloroethane		<0.397	μg/L	1
1,3-Dichloropropane		<0.355	μg/L	1
Dibromochloromethane		<0.315	μg/L	1
1,2-Dibromoethane (EDB)		<0.340	μg/L	1
Tetrachloroethene (PCE)		<0.355	μg/L	1
Chlorobenzene		<0.363	μg/L	1
1,1,1,2-Tetrachloroethane		<0.338	μg/L	1
Ethylbenzene		<0.350	μg/L	1
m,p-Xylene		<0.752	μg/L	1
Bromoform		<0.275	μg/L	1
Styrene		<0.395	μg/L	1
o-Xylene		<0.375	μg/L	1
1,1,2,2-Tetrachloroethane		<0.283	μg/L	1
2-Chlorotoluene		<0.445	μg/L	1
1,2,3-Trichloropropane		<0.430	μg/L	1
Isopropylbenzene		<0.521	μg/L	1
Bromobenzene		<0.494	μg/L	1
n-Propylbenzene		<0.483	μg/L	1
1,3,5-Trimethylbenzene		<0.487	μg/L	1
tert-Butylbenzene		<0.496	μg/L	1
1,2,4-Trimethylbenzene		<0.532	μg/L	1
1,4-Dichlorobenzene (para)		<0.413	μg/L	1
sec-Butylbenzene		<0.449	μg/L	1
1,3-Dichlorobenzene (meta)		<0.451	μg/L	1
p-Isopropyltoluene		<0.450	μg/L	1
4-Chlorotoluene		<0.489	μg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	μg/L	1
n-Butylbenzene		<0.461	μg/L	1
1,2-Dibromo-3-chloropropane		<0.532	μg/L	5
1,2,3-Trichlorobenzene		2.48	μg/L	5
1,2,4-Trichlorobenzene		0.850	μg/L	5
Naphthalene		1.19	μg/L	5
Hexachlorobutadiene		1.92	μg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		44.2	μg/L	1	50.0	88	82.4 - 115
Toluene-d8		49.8	μg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		50.2	μg/L	1	50.0	100	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 39286 Date Analyzed: 2007-07-20 Analyzed By: TG
Prep Batch: 34002 QC Preparation: 2007-07-20 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	30.7	mg/L	1	25.0	<1.06	123	56.9 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	30.6	mg/L	1	25.0	<1.06	122	56.9 - 128	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	18.8	18.8	mg/L	1	15.0	125	125	40.7 - 174

Laboratory Control Spike (LCS-1)

QC Batch: 39351 Date Analyzed: 2007-07-24 Analyzed By: DS
Prep Batch: 34068 QC Preparation: 2007-07-23 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.0103	mg/L	1	0.0800	0	13	10 - 46.1
2-Chlorophenol	0.0266	mg/L	1	0.0800	0	33	10 - 123
1,4-Dichlorobenzene (para)	0.0376	mg/L	1	0.0800	0	47	10 - 118
N-Nitrosodi-n-propylamine	0.0783	mg/L	1	0.0800	0	98	10 - 132
1,2,4-Trichlorobenzene	0.0422	mg/L	1	0.0800	0	53	10 - 130
Naphthalene	0.0448	mg/L	1	0.0800	0	56	20.3 - 121
4-Chloro-3-methylphenol	0.0322	mg/L	1	0.0800	0	40	10 - 140
Acenaphthylene	0.0608	mg/L	1	0.0800	0	76	22.3 - 124
Acenaphthene	0.0561	mg/L	1	0.0800	0	70	18.8 - 134
Dibenzofuran	0.0597	mg/L	1	0.0800	0	75	37.5 - 102
4-Nitrophenol [1]	0.00646	mg/L	1	0.0800	0	8	10 - 135
2,4-Dinitrotoluene	0.0666	mg/L	1	0.0800	0	83	13.6 - 152
Fluorene	0.0586	mg/L	1	0.0800	0	73	29.7 - 114
Pentachlorophenol	0.0234	mg/L	1	0.0800	0	29	10 - 144
Anthracene	0.0662	mg/L	1	0.0800	0	83	48.2 - 118
Phenanthrene	0.0656	mg/L	1	0.0800	0	82	45.5 - 121
Fluoranthene	0.0709	mg/L	1	0.0800	0	89	42.7 - 126
Pyrene	0.0614	mg/L	1	0.0800	0	77	26.8 - 155
Benzo(a)anthracene	0.0620	mg/L	1	0.0800	0	78	60.2 - 97.3
Chrysene	0.0639	mg/L	1	0.0800	0	80	56 - 92.4
Benzo(b)fluoranthene	0.0603	mg/L	1	0.0800	0	75	73.9 - 102
Benzo(k)fluoranthene	0.0650	mg/L	1	0.0800	0	81	45.6 - 143
Benzo(a)pyrene	0.0682	mg/L	1	0.0800	0	85	54.8 - 122
Indeno(1,2,3-cd)pyrene	0.0723	mg/L	1	0.0800	0	90	61.4 - 118

continued ...

[1] 4-Nitrophenol out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dibenzo(a,h)anthracene	0.0705	mg/L	1	0.0800	0	88	64.9 - 118
Benzo(g,h,i)perylene	0.0700	mg/L	1	0.0800	0	88	46.8 - 129

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.0102	mg/L	1	0.0800	0	13	10 - 46.1	1	20
2-Chlorophenol	0.0266	mg/L	1	0.0800	0	33	10 - 123	0	20
1,4-Dichlorobenzene (para)	0.0374	mg/L	1	0.0800	0	47	10 - 118	0	20
N-Nitrosodi-n-propylamine	0.0795	mg/L	1	0.0800	0	99	10 - 132	2	20
1,2,4-Trichlorobenzene	0.0417	mg/L	1	0.0800	0	52	10 - 130	1	20
Naphthalene	0.0445	mg/L	1	0.0800	0	56	20.3 - 121	1	20
4-Chloro-3-methylphenol	0.0322	mg/L	1	0.0800	0	40	10 - 140	0	20
Acenaphthylene	0.0609	mg/L	1	0.0800	0	76	22.3 - 124	0	20
Acenaphthene	0.0560	mg/L	1	0.0800	0	70	18.8 - 134	0	20
Dibenzofuran	0.0594	mg/L	1	0.0800	0	74	37.5 - 102	0	20
4-Nitrophenol [2]	0.00624	mg/L	1	0.0800	0	8	10 - 135	4	20
2,4-Dinitrotoluene	0.0651	mg/L	1	0.0800	0	81	13.6 - 152	2	20
Fluorene	0.0577	mg/L	1	0.0800	0	72	29.7 - 114	2	20
Pentachlorophenol	0.0228	mg/L	1	0.0800	0	28	10 - 144	3	20
Anthracene	0.0658	mg/L	1	0.0800	0	82	48.2 - 118	1	20
Phenanthrene	0.0655	mg/L	1	0.0800	0	82	45.5 - 121	0	20
Fluoranthene	0.0706	mg/L	1	0.0800	0	88	42.7 - 126	0	20
Pyrene	0.0613	mg/L	1	0.0800	0	77	26.8 - 155	0	20
Benzo(a)anthracene	0.0619	mg/L	1	0.0800	0	77	60.2 - 97.3	0	20
Chrysene	0.0636	mg/L	1	0.0800	0	80	56 - 92.4	0	20
Benzo(b)fluoranthene	0.0599	mg/L	1	0.0800	0	75	73.9 - 102	1	20
Benzo(k)fluoranthene	0.0640	mg/L	1	0.0800	0	80	45.6 - 143	2	20
Benzo(a)pyrene	0.0682	mg/L	1	0.0800	0	85	54.8 - 122	0	20
Indeno(1,2,3-cd)pyrene	0.0717	mg/L	1	0.0800	0	90	61.4 - 118	1	20
Dibenzo(a,h)anthracene	0.0700	mg/L	1	0.0800	0	88	64.9 - 118	1	20
Benzo(g,h,i)perylene	0.0692	mg/L	1	0.0800	0	86	46.8 - 129	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0144	0.0141	mg/L	1	0.0800	18	18	10 - 109
Phenol-d5	0.0115	0.0114	mg/L	1	0.0800	14	14	10 - 61.5
Nitrobenzene-d5	0.0630	0.0626	mg/L	1	0.0800	79	78	10 - 139
2-Fluorobiphenyl	0.0598	0.0595	mg/L	1	0.0800	75	74	10 - 139
2,4,6-Tribromophenol	0.0394	0.0387	mg/L	1	0.0800	49	48	10 - 161
Terphenyl-d14	0.0750	0.0752	mg/L	1	0.0800	94	94	10 - 144

Laboratory Control Spike (LCS-1)

QC Batch:	39393	Date Analyzed:	2007-07-24	Analyzed By:	JG
Prep Batch:	34101	QC Preparation:	2007-07-24	Prepared By:	JG

[2] 4-Nitrophenol out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		47.6	µg/L	1	50.0	<0.351	95	85.7 - 113
Dichlorodifluoromethane		45.9	µg/L	1	50.0	<0.306	92	60.3 - 134
Chloromethane (methyl chloride)	[3]	30.8	µg/L	1	50.0	<0.240	62	72 - 120
Vinyl Chloride		38.7	µg/L	1	50.0	<0.224	77	64.4 - 132
Bromomethane (methyl bromide)		40.3	µg/L	1	50.0	<0.325	81	65.9 - 133
Chloroethane		33.9	µg/L	1	50.0	<0.303	68	65.3 - 132
Trichlorofluoromethane		47.6	µg/L	1	50.0	<0.255	95	52.7 - 159
Acetone	[4]	112	µg/L	1	50.0	<1.86	224	10 - 185
Iodomethane (methyl iodide)	[5]	56.5	µg/L	1	50.0	<0.397	113	80.9 - 112
Carbon Disulfide		47.4	µg/L	1	50.0	<0.354	95	73.7 - 120
Acrylonitrile		40.9	µg/L	1	50.0	<0.306	82	75.8 - 121
2-Butanone (MEK)	[6]	61.2	µg/L	1	50.0	<0.670	122	43.7 - 117
4-Methyl-2-pentanone (MIBK)		51.2	µg/L	1	50.0	<0.463	102	69.3 - 120
2-Hexanone		41.2	µg/L	1	50.0	<0.303	82	35.6 - 138
trans 1,4-Dichloro-2-butene		47.8	µg/L	1	50.0	<0.407	96	40 - 128
1,1-Dichloroethene		44.0	µg/L	1	50.0	<0.326	88	83.4 - 114
Methylene chloride		41.7	µg/L	1	50.0	<0.375	83	62.6 - 119
MTBE		43.5	µg/L	1	50.0	<0.352	87	70 - 132
trans-1,2-Dichloroethene		42.8	µg/L	1	50.0	<0.322	86	83.3 - 114
1,1-Dichloroethane		40.6	µg/L	1	50.0	<0.324	81	81 - 124
cis-1,2-Dichloroethene		43.2	µg/L	1	50.0	<0.331	86	83.8 - 115
2,2-Dichloropropane		46.2	µg/L	1	50.0	<0.440	92	37.9 - 136
1,2-Dichloroethane (EDC)		36.5	µg/L	1	50.0	<0.327	73	67.8 - 131
Chloroform		41.0	µg/L	1	50.0	<0.345	82	75.1 - 125
1,1,1-Trichloroethane		42.6	µg/L	1	50.0	<0.303	85	72.9 - 123
1,1-Dichloropropene		44.4	µg/L	1	50.0	<0.356	89	85.9 - 119
Benzene		45.0	µg/L	1	50.0	<0.356	90	83.5 - 115
Carbon Tetrachloride		49.7	µg/L	1	50.0	<0.342	99	62.7 - 144
1,2-Dichloropropane	[7]	42.9	µg/L	1	50.0	<0.366	86	88.8 - 114
Trichloroethene (TCE)		50.1	µg/L	1	50.0	<0.434	100	91.3 - 111
Dibromomethane (methylene bromide)		48.2	µg/L	1	50.0	<0.406	96	84.2 - 118
Bromodichloromethane		45.2	µg/L	1	50.0	<0.325	90	79.5 - 127
2-Chloroethyl vinyl ether		43.5	µg/L	1	50.0	<0.366	87	75.1 - 128
cis-1,3-Dichloropropene		49.0	µg/L	1	50.0	<0.387	98	83.2 - 119
trans-1,3-Dichloropropene		49.7	µg/L	1	50.0	<0.367	99	77.4 - 126
Toluene		43.5	µg/L	1	50.0	<0.366	87	82 - 110
1,1,2-Trichloroethane		45.5	µg/L	1	50.0	<0.397	91	77 - 123
1,3-Dichloropropane		45.4	µg/L	1	50.0	<0.355	91	81.1 - 124
Dibromochloromethane		52.3	µg/L	1	50.0	<0.315	105	79 - 129
1,2-Dibromoethane (EDB)		51.6	µg/L	1	50.0	<0.340	103	78.6 - 126
Tetrachloroethene (PCE)		51.7	µg/L	1	50.0	<0.355	103	36.7 - 173
Chlorobenzene		47.2	µg/L	1	50.0	<0.363	94	87.9 - 109
1,1,1,2-Tetrachloroethane		50.3	µg/L	1	50.0	<0.338	101	80.5 - 125
Ethylbenzene		45.3	µg/L	1	50.0	<0.350	91	82.4 - 116
m,p-Xylene		91.0	µg/L	1	100	<0.752	91	80 - 119
Bromoform		63.1	µg/L	1	50.0	<0.275	126	75.8 - 132

continued ...

[3] Spike recovery out of control limits. Samples non-detect. •
[4] Spike recovery out of control limits. Concentration biased high. •
[5] Spike recovery out of control limits. Concentration biased high. •
[6] Spike recovery out of control limits. Concentration biased high. •
[7] Spike recovery out of control limits. Samples non-detect. •

control spikes continued ...

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Styrene		54.4	µg/L	1	50.0	<0.395	109	84.2 - 117
o-Xylene		46.4	µg/L	1	50.0	<0.375	93	82.1 - 119
1,1,2,2-Tetrachloroethane		47.0	µg/L	1	50.0	<0.283	94	69.7 - 124
2-Chlorotoluene		42.6	µg/L	1	50.0	<0.445	85	76.5 - 123
1,2,3-Trichloropropane		47.0	µg/L	1	50.0	<0.430	94	66.3 - 130
Isopropylbenzene		44.0	µg/L	1	50.0	<0.521	88	78.3 - 123
Bromobenzene		43.0	µg/L	1	50.0	<0.494	86	79.9 - 122
n-Propylbenzene		40.3	µg/L	1	50.0	<0.483	81	72.6 - 122
1,3,5-Trimethylbenzene		43.7	µg/L	1	50.0	<0.487	87	69.6 - 127
tert-Butylbenzene		45.0	µg/L	1	50.0	<0.496	90	64 - 129
1,2,4-Trimethylbenzene		45.0	µg/L	1	50.0	<0.532	90	71 - 123
1,4-Dichlorobenzene (para)		46.8	µg/L	1	50.0	<0.413	94	74 - 118
sec-Butylbenzene		41.7	µg/L	1	50.0	<0.449	83	59.8 - 129
1,3-Dichlorobenzene (meta)		47.8	µg/L	1	50.0	<0.451	96	80.2 - 119
p-Isopropyltoluene		44.6	µg/L	1	50.0	<0.450	89	54.8 - 135
4-Chlorotoluene		43.8	µg/L	1	50.0	<0.489	88	78.9 - 124
1,2-Dichlorobenzene (ortho)		51.1	µg/L	1	50.0	<0.438	102	80 - 120
n-Butylbenzene		42.2	µg/L	1	50.0	<0.461	84	51.1 - 136
1,2-Dibromo-3-chloropropane		60.8	µg/L	1	50.0	<0.532	122	38.2 - 151
1,2,3-Trichlorobenzene	[8]	89.8	µg/L	1	50.0	<0.288	180	25.4 - 158
1,2,4-Trichlorobenzene		69.0	µg/L	1	50.0	<0.273	138	38.2 - 140
Naphthalene	[9]	91.0	µg/L	1	50.0	<0.299	182	33.3 - 152
Hexachlorobutadiene		62.0	µg/L	1	50.0	<0.483	124	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		47.7	µg/L	1	50.0	<0.351	95	85.7 - 113	0	20
Dichlorodifluoromethane		45.2	µg/L	1	50.0	<0.306	90	60.3 - 134	2	20
Chloromethane (methyl chloride)	[10]	31.2	µg/L	1	50.0	<0.240	62	72 - 120	1	20
Vinyl Chloride		39.4	µg/L	1	50.0	<0.224	79	64.4 - 132	2	20
Bromomethane (methyl bromide)		39.3	µg/L	1	50.0	<0.325	79	65.9 - 133	2	20
Chloroethane	[11]	32.7	µg/L	1	50.0	<0.303	65	65.3 - 132	4	20
Trichlorofluoromethane		47.3	µg/L	1	50.0	<0.255	95	52.7 - 159	1	20
Acetone		40.1	µg/L	1	50.0	<1.86	80	10 - 185	94	20
Iodomethane (methyl iodide)	[12]	57.0	µg/L	1	50.0	<0.397	114	80.9 - 112	1	20
Carbon Disulfide		47.4	µg/L	1	50.0	<0.354	95	73.7 - 120	0	20
Acrylonitrile		40.5	µg/L	1	50.0	<0.306	81	75.8 - 121	1	20
2-Butanone (MEK)		47.1	µg/L	1	50.0	<0.670	94	43.7 - 117	26	20
4-Methyl-2-pentanone (MIBK)		49.8	µg/L	1	50.0	<0.463	100	69.3 - 120	3	20
2-Hexanone		40.1	µg/L	1	50.0	<0.303	80	35.6 - 138	3	20
trans 1,4-Dichloro-2-butene		47.7	µg/L	1	50.0	<0.407	95	40 - 128	0	20
1,1-Dichloroethene		44.4	µg/L	1	50.0	<0.326	89	83.4 - 114	1	20
Methylene chloride		41.0	µg/L	1	50.0	<0.375	82	62.6 - 119	2	20
MTBE		43.4	µg/L	1	50.0	<0.352	87	70 - 132	0	20
trans-1,2-Dichloroethene		43.0	µg/L	1	50.0	<0.322	86	83.3 - 114	0	20

continued ...

[8] Spike recovery out of control limits. Concentration biased high. •
[9] Spike recovery out of control limits. Concentration biased high. •
[10] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[11] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[12] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethane		40.7	µg/L	1	50.0	<0.324	81	81 - 124	0	20
cis-1,2-Dichloroethene		43.4	µg/L	1	50.0	<0.331	87	83.8 - 115	0	20
2,2-Dichloropropane		45.7	µg/L	1	50.0	<0.440	91	37.9 - 136	1	20
1,2-Dichloroethane (EDC)		36.6	µg/L	1	50.0	<0.327	73	67.8 - 131	0	20
Chloroform		41.6	µg/L	1	50.0	<0.345	83	75.1 - 125	1	20
1,1,1-Trichloroethane		43.0	µg/L	1	50.0	<0.303	86	72.9 - 123	1	20
1,1-Dichloropropene		45.2	µg/L	1	50.0	<0.356	90	85.9 - 119	2	20
Benzene		45.5	µg/L	1	50.0	<0.356	91	83.5 - 115	1	20
Carbon Tetrachloride		50.7	µg/L	1	50.0	<0.342	101	62.7 - 144	2	20
1,2-Dichloropropane	[13]	43.1	µg/L	1	50.0	<0.366	86	88.8 - 114	0	20
Trichloroethene (TCE)		50.9	µg/L	1	50.0	<0.434	102	91.3 - 111	2	20
Dibromomethane (methylene bromide)		48.3	µg/L	1	50.0	<0.406	97	84.2 - 118	0	20
Bromodichloromethane		45.6	µg/L	1	50.0	<0.325	91	79.5 - 127	1	20
2-Chloroethyl vinyl ether		43.7	µg/L	1	50.0	<0.366	87	75.1 - 128	0	20
cis-1,3-Dichloropropene		49.4	µg/L	1	50.0	<0.387	99	83.2 - 119	1	20
trans-1,3-Dichloropropene		49.7	µg/L	1	50.0	<0.367	99	77.4 - 126	0	20
Toluene		44.1	µg/L	1	50.0	<0.366	88	82 - 110	1	20
1,1,2-Trichloroethane		45.8	µg/L	1	50.0	<0.397	92	77 - 123	1	20
1,3-Dichloropropane		45.8	µg/L	1	50.0	<0.355	92	81.1 - 124	1	20
Dibromochloromethane		52.9	µg/L	1	50.0	<0.315	106	79 - 129	1	20
1,2-Dibromoethane (EDB)		51.6	µg/L	1	50.0	<0.340	103	78.6 - 126	0	20
Tetrachloroethene (PCE)		52.7	µg/L	1	50.0	<0.355	105	36.7 - 173	2	20
Chlorobenzene		47.9	µg/L	1	50.0	<0.363	96	87.9 - 109	2	20
1,1,1,2-Tetrachloroethane		50.7	µg/L	1	50.0	<0.338	101	80.5 - 125	1	20
Ethylbenzene		45.8	µg/L	1	50.0	<0.350	92	82.4 - 116	1	20
m,p-Xylene		91.4	µg/L	1	100	<0.752	91	80 - 119	0	20
Bromoform		63.6	µg/L	1	50.0	<0.275	127	75.8 - 132	1	20
Styrene		54.8	µg/L	1	50.0	<0.395	110	84.2 - 117	1	20
o-Xylene		46.7	µg/L	1	50.0	<0.375	93	82.1 - 119	1	20
1,1,2,2-Tetrachloroethane		47.3	µg/L	1	50.0	<0.283	95	69.7 - 124	1	20
2-Chlorotoluene		42.9	µg/L	1	50.0	<0.445	86	76.5 - 123	1	20
1,2,3-Trichloropropane		47.5	µg/L	1	50.0	<0.430	95	66.3 - 130	1	20
Isopropylbenzene		44.3	µg/L	1	50.0	<0.521	89	78.3 - 123	1	20
Bromobenzene		43.6	µg/L	1	50.0	<0.494	87	79.9 - 122	1	20
n-Propylbenzene		40.7	µg/L	1	50.0	<0.483	81	72.6 - 122	1	20
1,3,5-Trimethylbenzene		44.3	µg/L	1	50.0	<0.487	89	69.6 - 127	1	20
tert-Butylbenzene		45.5	µg/L	1	50.0	<0.496	91	64 - 129	1	20
1,2,4-Trimethylbenzene		45.8	µg/L	1	50.0	<0.532	92	71 - 123	2	20
1,4-Dichlorobenzene (para)		46.9	µg/L	1	50.0	<0.413	94	74 - 118	0	20
sec-Butylbenzene		42.4	µg/L	1	50.0	<0.449	85	59.8 - 129	2	20
1,3-Dichlorobenzene (meta)		48.2	µg/L	1	50.0	<0.451	96	80.2 - 119	1	20
p-Isopropyltoluene		45.3	µg/L	1	50.0	<0.450	91	54.8 - 135	2	20
4-Chlorotoluene		44.0	µg/L	1	50.0	<0.489	88	78.9 - 124	0	20
1,2-Dichlorobenzene (ortho)		51.6	µg/L	1	50.0	<0.438	103	80 - 120	1	20
n-Butylbenzene		43.1	µg/L	1	50.0	<0.461	86	51.1 - 136	2	20
1,2-Dibromo-3-chloropropane		61.9	µg/L	1	50.0	<0.532	124	38.2 - 151	2	20
1,2,3-Trichlorobenzene	[14]	91.5	µg/L	1	50.0	<0.288	183	25.4 - 158	2	20
1,2,4-Trichlorobenzene		69.8	µg/L	1	50.0	<0.273	140	38.2 - 140	1	20

continued ...

[13] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[14] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param		LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Naphthalene	[15]	92.3	μg/L	1	50.0	<0.299	185	33.3 - 152	1	20
Hexachlorobutadiene		62.6	μg/L	1	50.0	<0.483	125	49.1 - 134	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	44.5	44.3	μg/L	1	50.0	89	89	82.4 - 115
Toluene-d8	49.0	48.6	μg/L	1	50.0	98	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)	50.3	50.3	μg/L	1	50.0	101	101	84.6 - 114

Matrix Spike (MS-1) Spiked Sample: 130511

QC Batch: 39286 Date Analyzed: 2007-07-20 Analyzed By: TG
Prep Batch: 34002 QC Preparation: 2007-07-20 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	24.0	mg/L	1	25.0	<1.06	96	61.9 - 112.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	24.9	mg/L	1	25.0	<1.06	100	61.9 - 112.2	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	22.6	23.1	mg/L	1	15	151	154	40.7 - 174

Standard (ICV-1)

QC Batch: 39286 Date Analyzed: 2007-07-20 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	281	112	85 - 115	2007-07-20

Standard (CCV-1)

QC Batch: 39286 Date Analyzed: 2007-07-20 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	281	112	85 - 115	2007-07-20

[15] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

Standard (CCV-1)

QC Batch: 39351 Date Analyzed: 2007-07-24 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60.0	67.8	113	80 - 120	2007-07-24
1,4-Dichlorobenzene (para)		mg/L	60.0	59.8	100	80 - 120	2007-07-24
2-Nitrophenol		mg/L	60.0	63.9	106	80 - 120	2007-07-24
2,4-Dichlorophenol		mg/L	60.0	63.3	106	80 - 120	2007-07-24
Hexachlorobutadiene		mg/L	60.0	60.5	101	80 - 120	2007-07-24
4-Chloro-3-methylphenol		mg/L	60.0	57.5	96	80 - 120	2007-07-24
2,4,6-Trichlorophenol		mg/L	60.0	62.7	104	80 - 120	2007-07-24
Acenaphthene		mg/L	60.0	57.6	96	80 - 120	2007-07-24
Diphenylamine		mg/L	60.0	62.3	104	80 - 120	2007-07-24
Pentachlorophenol		mg/L	60.0	63.4	106	80 - 120	2007-07-24
Fluoranthene		mg/L	60.0	59.5	99	80 - 120	2007-07-24
Di-n-octylphthalate		mg/L	60.0	63.4	106	80 - 120	2007-07-24
Benzo(a)pyrene		mg/L	60.0	61.1	102	80 - 120	2007-07-24

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		61.4	mg/L	1	60.0	102	80 - 120
Phenol-d5		64.0	mg/L	1	60.0	107	80 - 120
Nitrobenzene-d5		61.4	mg/L	1	60.0	102	80 - 120
2-Fluorobiphenyl		57.8	mg/L	1	60.0	96	80 - 120
2,4,6-Tribromophenol		67.8	mg/L	1	60.0	113	80 - 120
Terphenyl-d14		61.2	mg/L	1	60.0	102	80 - 120

Standard (CCV-1)

QC Batch: 39393 Date Analyzed: 2007-07-24 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	48.4	97	70 - 130	2007-07-24
Dichlorodifluoromethane		µg/L	50.0	48.9	98	70 - 130	2007-07-24
Chloromethane (methyl chloride)	[16]	µg/L	50.0	32.3	65	70 - 130	2007-07-24
Vinyl Chloride		µg/L	50.0	40.8	82	80 - 120	2007-07-24
Bromomethane (methyl bromide)		µg/L	50.0	42.2	84	70 - 130	2007-07-24
Chloroethane		µg/L	50.0	35.8	72	70 - 130	2007-07-24
Trichlorofluoromethane		µg/L	50.0	49.7	99	70 - 130	2007-07-24
Acetone	[17]	µg/L	50.0	123	246	70 - 130	2007-07-24
Iodomethane (methyl iodide)		µg/L	50.0	57.9	116	70 - 130	2007-07-24
Carbon Disulfide		µg/L	50.0	48.5	97	70 - 130	2007-07-24
Acrylonitrile		µg/L	50.0	41.0	82	70 - 130	2007-07-24
2-Butanone (MEK)		µg/L	50.0	65.1	130	70 - 130	2007-07-24

continued ...

[16] Chloromethane outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

[17] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	52.0	104	70 - 130	2007-07-24
2-Hexanone		µg/L	50.0	43.4	87	70 - 130	2007-07-24
trans 1,4-Dichloro-2-butene		µg/L	50.0	48.2	96	70 - 130	2007-07-24
1,1-Dichloroethene		µg/L	50.0	45.0	90	80 - 120	2007-07-24
Methylene chloride		µg/L	50.0	42.4	85	70 - 130	2007-07-24
MTBE		µg/L	50.0	43.5	87	70 - 130	2007-07-24
trans-1,2-Dichloroethene		µg/L	50.0	43.1	86	70 - 130	2007-07-24
1,1-Dichloroethane		µg/L	50.0	41.2	82	70 - 130	2007-07-24
cis-1,2-Dichloroethene		µg/L	50.0	44.2	88	70 - 130	2007-07-24
2,2-Dichloropropane		µg/L	50.0	47.5	95	70 - 130	2007-07-24
1,2-Dichloroethane (EDC)		µg/L	50.0	36.8	74	70 - 130	2007-07-24
Chloroform		µg/L	50.0	41.6	83	80 - 120	2007-07-24
1,1,1-Trichloroethane		µg/L	50.0	43.3	87	70 - 130	2007-07-24
1,1-Dichloropropene		µg/L	50.0	45.1	90	70 - 130	2007-07-24
Benzene		µg/L	50.0	46.0	92	70 - 130	2007-07-24
Carbon Tetrachloride		µg/L	50.0	50.1	100	70 - 130	2007-07-24
1,2-Dichloropropane		µg/L	50.0	43.7	87	80 - 120	2007-07-24
Trichloroethene (TCE)		µg/L	50.0	51.2	102	70 - 130	2007-07-24
Dibromomethane (methylene bromide)		µg/L	50.0	47.8	96	70 - 130	2007-07-24
Bromodichloromethane		µg/L	50.0	45.5	91	70 - 130	2007-07-24
2-Chloroethyl vinyl ether		µg/L	50.0	44.2	88	70 - 130	2007-07-24
cis-1,3-Dichloropropene		µg/L	50.0	49.8	100	70 - 130	2007-07-24
trans-1,3-Dichloropropene		µg/L	50.0	49.7	99	70 - 130	2007-07-24
Toluene		µg/L	50.0	44.5	89	80 - 120	2007-07-24
1,1,2-Trichloroethane		µg/L	50.0	46.0	92	70 - 130	2007-07-24
1,3-Dichloropropane		µg/L	50.0	45.7	91	70 - 130	2007-07-24
Dibromochloromethane		µg/L	50.0	52.9	106	70 - 130	2007-07-24
1,2-Dibromoethane (EDB)		µg/L	50.0	51.9	104	70 - 130	2007-07-24
Tetrachloroethene (PCE)		µg/L	50.0	53.0	106	70 - 130	2007-07-24
Chlorobenzene		µg/L	50.0	48.2	96	80 - 120	2007-07-24
1,1,1,2-Tetrachloroethane		µg/L	50.0	50.9	102	70 - 130	2007-07-24
Ethylbenzene		µg/L	50.0	46.0	92	80 - 120	2007-07-24
m,p-Xylene		µg/L	100	92.1	92	70 - 130	2007-07-24
Bromoform		µg/L	50.0	63.0	126	70 - 130	2007-07-24
Styrene		µg/L	50.0	55.2	110	70 - 130	2007-07-24
o-Xylene		µg/L	50.0	47.0	94	70 - 130	2007-07-24
1,1,2,2-Tetrachloroethane		µg/L	50.0	47.5	95	70 - 130	2007-07-24
2-Chlorotoluene		µg/L	50.0	43.0	86	70 - 130	2007-07-24
1,2,3-Trichloropropane		µg/L	50.0	47.2	94	70 - 130	2007-07-24
Isopropylbenzene		µg/L	50.0	44.2	88	70 - 130	2007-07-24
Bromobenzene		µg/L	50.0	43.3	87	70 - 130	2007-07-24
n-Propylbenzene		µg/L	50.0	40.6	81	70 - 130	2007-07-24
1,3,5-Trimethylbenzene		µg/L	50.0	44.2	88	70 - 130	2007-07-24
tert-Butylbenzene		µg/L	50.0	45.1	90	70 - 130	2007-07-24
1,2,4-Trimethylbenzene		µg/L	50.0	45.4	91	70 - 130	2007-07-24
1,4-Dichlorobenzene (para)		µg/L	50.0	47.1	94	70 - 130	2007-07-24
sec-Butylbenzene		µg/L	50.0	42.1	84	70 - 130	2007-07-24
1,3-Dichlorobenzene (meta)		µg/L	50.0	48.4	97	70 - 130	2007-07-24
p-Isopropyltoluene		µg/L	50.0	45.4	91	70 - 130	2007-07-24

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
4-Chlorotoluene		µg/L	50.0	44.2	88	70 - 130	2007-07-24
1,2-Dichlorobenzene (ortho)		µg/L	50.0	51.5	103	70 - 130	2007-07-24
n-Butylbenzene		µg/L	50.0	42.8	86	70 - 130	2007-07-24
1,2-Dibromo-3-chloropropane		µg/L	50.0	56.2	112	70 - 130	2007-07-24
1,2,3-Trichlorobenzene	[18]	µg/L	50.0	80.8	162	70 - 130	2007-07-24
1,2,4-Trichlorobenzene	[19]	µg/L	50.0	66.0	132	70 - 130	2007-07-24
Naphthalene	[20]	µg/L	50.0	77.0	154	70 - 130	2007-07-24
Hexachlorobutadiene		µg/L	50.0	61.4	123	70 - 130	2007-07-24

Standard (CCV-2)

QC Batch: 39393 Date Analyzed: 2007-07-24 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	48.3	97	70 - 130	2007-07-24
Dichlorodifluoromethane		µg/L	50.0	50.1	100	70 - 130	2007-07-24
Chloromethane (methyl chloride)		µg/L	50.0	35.8	72	70 - 130	2007-07-24
Vinyl Chloride		µg/L	50.0	44.7	89	80 - 120	2007-07-24
Bromomethane (methyl bromide)		µg/L	50.0	50.3	101	70 - 130	2007-07-24
Chloroethane		µg/L	50.0	42.5	85	70 - 130	2007-07-24
Trichlorofluoromethane		µg/L	50.0	53.4	107	70 - 130	2007-07-24
Acetone		µg/L	50.0	46.3	93	70 - 130	2007-07-24
Iodomethane (methyl iodide)		µg/L	50.0	56.9	114	70 - 130	2007-07-24
Carbon Disulfide		µg/L	50.0	49.1	98	70 - 130	2007-07-24
Acrylonitrile		µg/L	50.0	43.9	88	70 - 130	2007-07-24
2-Butanone (MEK)		µg/L	50.0	47.1	94	70 - 130	2007-07-24
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	50.1	100	70 - 130	2007-07-24
2-Hexanone		µg/L	50.0	44.6	89	70 - 130	2007-07-24
trans 1,4-Dichloro-2-butene		µg/L	50.0	43.2	86	70 - 130	2007-07-24
1,1-Dichloroethene		µg/L	50.0	45.0	90	80 - 120	2007-07-24
Methylene chloride		µg/L	50.0	42.3	85	70 - 130	2007-07-24
MTBE		µg/L	50.0	45.2	90	70 - 130	2007-07-24
trans-1,2-Dichloroethene		µg/L	50.0	43.8	88	70 - 130	2007-07-24
1,1-Dichloroethane		µg/L	50.0	43.8	88	70 - 130	2007-07-24
cis-1,2-Dichloroethene		µg/L	50.0	44.2	88	70 - 130	2007-07-24
2,2-Dichloropropane	[21]	µg/L	50.0	34.0	68	70 - 130	2007-07-24
1,2-Dichloroethane (EDC)		µg/L	50.0	41.3	83	70 - 130	2007-07-24
Chloroform		µg/L	50.0	44.1	88	80 - 120	2007-07-24
1,1,1-Trichloroethane		µg/L	50.0	45.7	91	70 - 130	2007-07-24
1,1-Dichloropropene		µg/L	50.0	45.7	91	70 - 130	2007-07-24

continued ...

[18] 1,2,3-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

[19] 1,2,4-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

[20] Naphthalene outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

[21] 2,2-Dichloropropane outside of control limits on CCV(ICV). CCV(ICV) component average is 95 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		µg/L	50.0	45.7	91	70 - 130	2007-07-24
Carbon Tetrachloride		µg/L	50.0	51.8	104	70 - 130	2007-07-24
1,2-Dichloropropane		µg/L	50.0	45.0	90	80 - 120	2007-07-24
Trichloroethene (TCE)		µg/L	50.0	49.3	99	70 - 130	2007-07-24
Dibromomethane (methylene bromide)		µg/L	50.0	49.4	99	70 - 130	2007-07-24
Bromodichloromethane		µg/L	50.0	46.9	94	70 - 130	2007-07-24
2-Chloroethyl vinyl ether		µg/L	50.0	45.6	91	70 - 130	2007-07-24
cis-1,3-Dichloropropene		µg/L	50.0	47.1	94	70 - 130	2007-07-24
trans-1,3-Dichloropropene		µg/L	50.0	48.2	96	70 - 130	2007-07-24
Toluene		µg/L	50.0	44.2	88	80 - 120	2007-07-24
1,1,2-Trichloroethane		µg/L	50.0	45.8	92	70 - 130	2007-07-24
1,3-Dichloropropane		µg/L	50.0	46.2	92	70 - 130	2007-07-24
Dibromochloromethane		µg/L	50.0	52.4	105	70 - 130	2007-07-24
1,2-Dibromoethane (EDB)		µg/L	50.0	50.6	101	70 - 130	2007-07-24
Tetrachloroethene (PCE)		µg/L	50.0	51.6	103	70 - 130	2007-07-24
Chlorobenzene		µg/L	50.0	47.1	94	80 - 120	2007-07-24
1,1,1,2-Tetrachloroethane		µg/L	50.0	50.7	101	70 - 130	2007-07-24
Ethylbenzene		µg/L	50.0	46.3	93	80 - 120	2007-07-24
m,p-Xylene		µg/L	100	92.3	92	70 - 130	2007-07-24
Bromoform		µg/L	50.0	60.8	122	70 - 130	2007-07-24
Styrene		µg/L	50.0	54.0	108	70 - 130	2007-07-24
o-Xylene		µg/L	50.0	47.1	94	70 - 130	2007-07-24
1,1,2,2-Tetrachloroethane		µg/L	50.0	46.4	93	70 - 130	2007-07-24
2-Chlorotoluene		µg/L	50.0	43.1	86	70 - 130	2007-07-24
1,2,3-Trichloropropane		µg/L	50.0	44.8	90	70 - 130	2007-07-24
Isopropylbenzene		µg/L	50.0	43.5	87	70 - 130	2007-07-24
Bromobenzene		µg/L	50.0	43.2	86	70 - 130	2007-07-24
n-Propylbenzene		µg/L	50.0	40.3	81	70 - 130	2007-07-24
1,3,5-Trimethylbenzene		µg/L	50.0	43.6	87	70 - 130	2007-07-24
tert-Butylbenzene		µg/L	50.0	43.9	88	70 - 130	2007-07-24
1,2,4-Trimethylbenzene		µg/L	50.0	44.6	89	70 - 130	2007-07-24
1,4-Dichlorobenzene (para)		µg/L	50.0	45.1	90	70 - 130	2007-07-24
sec-Butylbenzene		µg/L	50.0	40.7	81	70 - 130	2007-07-24
1,3-Dichlorobenzene (meta)		µg/L	50.0	46.3	93	70 - 130	2007-07-24
p-Isopropyltoluene		µg/L	50.0	42.9	86	70 - 130	2007-07-24
4-Chlorotoluene		µg/L	50.0	43.4	87	70 - 130	2007-07-24
1,2-Dichlorobenzene (ortho)		µg/L	50.0	49.2	98	70 - 130	2007-07-24
n-Butylbenzene		µg/L	50.0	40.4	81	70 - 130	2007-07-24
1,2-Dibromo-3-chloropropane		µg/L	50.0	55.1	110	70 - 130	2007-07-24
1,2,3-Trichlorobenzene		µg/L	50.0	60.2	120	70 - 130	2007-07-24
1,2,4-Trichlorobenzene		µg/L	50.0	54.5	109	70 - 130	2007-07-24
Naphthalene	[22]	µg/L	50.0	66.0	132	70 - 130	2007-07-24
Hexachlorobutadiene		µg/L	50.0	49.0	98	70 - 130	2007-07-24

[22] Naphthalene outside of control limits on CCV(ICV). CCV(ICV) component average is 95 which is within acceptable range. This is acceptable by Method 8000.

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 23, 2007

Work Order: 7072717

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131072	0199-EB-007-0707	water	2007-07-26	13:00	2007-07-27
131073	0199-TB-903-0707	water	2007-07-26	13:00	2007-07-27

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 27 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-27 and assigned to work order 7072717. Samples for work order 7072717 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C
TPH DRO	Mod. 8015B
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7072717 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131072 - 0199-EB-007-0707

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	39661	Date Analyzed:	2007-08-03	Analyzed By:	DS
Prep Batch:	34324	Sample Preparation:	2007-08-02	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500	mg/L	1	0.00500
Isophorone		<0.00500	mg/L	1	0.00500
2-Nitrophenol		<0.00500	mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500	mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500	mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500	mg/L	1	0.00500
Benzoic acid		<0.00500	mg/L	1	0.00500
Naphthalene		<0.00500	mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500	mg/L	1	0.00500
4-Chloroaniline		<0.00500	mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100	mg/L	1	0.0100
Hexachlorobutadiene		<0.00500	mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500	mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500	mg/L	1	0.00500
2-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500	mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500	mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100	mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500	mg/L	1	0.00500
2-Chloronaphthalene		<0.00500	mg/L	1	0.00500
1-Chloronaphthalene		<0.00500	mg/L	1	0.00500
2-Nitroaniline		<0.00500	mg/L	1	0.00500

continued ...

sample 131072 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.00500	mg/L	1	0.00500
Acenaphthylene		<0.00500	mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500	mg/L	1	0.00500
3-Nitroaniline		<0.00500	mg/L	1	0.00500
Acenaphthene		<0.00500	mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500	mg/L	1	0.00500
Dibenzofuran		<0.00500	mg/L	1	0.00500
Pentachlorobenzene		<0.00500	mg/L	1	0.00500
4-Nitrophenol		<0.0250	mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500	mg/L	1	0.00500
1-Naphthylamine		<0.00500	mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100	mg/L	1	0.0100
2-Naphthylamine		<0.00500	mg/L	1	0.00500
Fluorene		<0.00500	mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500	mg/L	1	0.00500
Diethylphthalate		<0.00500	mg/L	1	0.00500
4-Nitroaniline		<0.00500	mg/L	1	0.00500
Diphenylhydrazine		<0.00500	mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500	mg/L	1	0.00500
Diphenylamine		<0.00500	mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500	mg/L	1	0.00500
Phenacetin		<0.00500	mg/L	1	0.00500
Hexachlorobenzene		<0.00500	mg/L	1	0.00500
4-Aminobiphenyl		<0.00500	mg/L	1	0.00500
Pentachlorophenol		<0.0100	mg/L	1	0.0100
Anthracene		<0.00500	mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500	mg/L	1	0.00500
Pronamide		<0.00500	mg/L	1	0.00500
Phenanthrene		<0.00500	mg/L	1	0.00500
Di-n-butylphthalate		<0.00500	mg/L	1	0.00500
Fluoranthene		<0.00500	mg/L	1	0.00500
Benzidine		<0.0250	mg/L	1	0.0250
Pyrene		<0.00500	mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500	mg/L	1	0.00500
Butylbenzylphthalate		<0.00500	mg/L	1	0.00500
Benzo(a)anthracene		<0.00500	mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500	mg/L	1	0.00500
Chrysene		<0.00500	mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500	mg/L	1	0.00500
Di-n-octylphthalate		<0.00500	mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500	mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500	mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500	mg/L	1	0.00500
Benzo(a)pyrene		<0.00500	mg/L	1	0.00500
3-Methylcholanthrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500	mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500	mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500	mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0100	mg/L	1	0.0800	12	10 - 84.7
Phenol-d5		0.0109	mg/L	1	0.0800	14	10 - 54.9
Nitrobenzene-d5		0.0388	mg/L	1	0.0800	48	10 - 202
2-Fluorobiphenyl		0.0520	mg/L	1	0.0800	65	10 - 199
2,4,6-Tribromophenol		0.0331	mg/L	1	0.0800	41	10 - 141
Terphenyl-d14		0.0674	mg/L	1	0.0800	84	10 - 160

Sample: 131072 - 0199-EB-007-0707

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39478	Date Analyzed:	2007-07-28	Analyzed By:	TG
Prep Batch:	34176	Sample Preparation:	2007-07-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[1]	27.9	mg/L	1	15.0	186	40.7 - 174

Sample: 131072 - 0199-EB-007-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39558	Date Analyzed:	2007-07-27	Analyzed By:	JG
Prep Batch:	34240	Sample Preparation:	2007-07-27	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00

[1] High surrogate recovery. Sample non-detect, result bias high.

continued ...

sample 131072 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
cis-1,2-Dichloroethene		<1.00	μg/L	1	1.00
2,2-Dichloropropane		<1.00	μg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	μg/L	1	1.00
Chloroform		<1.00	μg/L	1	1.00
1,1,1-Trichloroethane		<1.00	μg/L	1	1.00
1,1-Dichloropropene		<1.00	μg/L	1	1.00
Benzene		<1.00	μg/L	1	1.00
Carbon Tetrachloride		<1.00	μg/L	1	1.00
1,2-Dichloropropane		<1.00	μg/L	1	1.00
Trichloroethene (TCE)		<1.00	μg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	μg/L	1	1.00
Bromodichloromethane		<1.00	μg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	μg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	μg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	μg/L	1	1.00
Toluene		<1.00	μg/L	1	1.00
1,1,2-Trichloroethane		<1.00	μg/L	1	1.00
1,3-Dichloropropane		<1.00	μg/L	1	1.00
Dibromochloromethane		<1.00	μg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	μg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	μg/L	1	1.00
Chlorobenzene		<1.00	μg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	μg/L	1	1.00
Ethylbenzene		<1.00	μg/L	1	1.00
m,p-Xylene		<1.00	μg/L	1	1.00
Bromoform		<1.00	μg/L	1	1.00
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	μg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane	[2]	60.1	µg/L	1	50.0	120	82.4 - 115
Toluene-d8		52.0	µg/L	1	50.0	104	89.7 - 108
4-Bromofluorobenzene (4-BFB)		52.1	µg/L	1	50.0	104	84.6 - 114

Sample: 131073 - 0199-TB-903-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39558	Date Analyzed:	2007-07-27	Analyzed By:	JG
Prep Batch:	34240	Sample Preparation:	2007-07-27	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		**57.9**	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00

[2] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

continued...

sample 131073 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dibromochloromethane		<1.00	μg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	μg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	μg/L	1	1.00
Chlorobenzene		<1.00	μg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	μg/L	1	1.00
Ethylbenzene		<1.00	μg/L	1	1.00
m,p-Xylene		<1.00	μg/L	1	1.00
Bromoform		<1.00	μg/L	1	1.00
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	μg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane	[3]	58.7	μg/L	1	50.0	117	82.4 - 115
Toluene-d8		51.1	μg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		51.3	μg/L	1	50.0	103	84.6 - 114

Method Blank (1) QC Batch: 39478

QC Batch:	39478	Date Analyzed:	2007-07-28	Analyzed By:	TG
Prep Batch:	34176	QC Preparation:	2007-07-27	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<1.06	mg/L	5

[3] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		24.8	mg/L	1	15.0	165	40.7 - 174

Method Blank (1) QC Batch: 39558

QC Batch:	39558	Date Analyzed:	2007-07-27	Analyzed By:	JG
Prep Batch:	34240	QC Preparation:	2007-07-27	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		2.17	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		1.38	µg/L	5
1,2,4-Trichlorobenzene		0.540	µg/L	5
Naphthalene		0.720	µg/L	5
Hexachlorobutadiene		1.34	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.3	µg/L	1	50.0	105	82.4 - 115
Toluene-d8		49.7	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		49.8	µg/L	1	50.0	100	84.6 - 114

Method Blank (1) QC Batch: 39661

QC Batch:	39661	Date Analyzed:	2007-08-03	Analyzed By:	DS
Prep Batch:	34324	QC Preparation:	2007-08-02	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.00188	mg/L	0.005
N-Nitrosodimethylamine		<0.00180	mg/L	0.005
2-Picoline		<0.00181	mg/L	0.005
Methyl methanesulfonate		<0.00220	mg/L	0.005
Ethyl methanesulfonate		<0.00260	mg/L	0.005
Phenol		<0.00231	mg/L	0.005
Aniline		<0.00200	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
bis(2-chloroethyl)ether		<0.00180	mg/L	0.005
2-Chlorophenol		<0.00190	mg/L	0.005
1,3-Dichlorobenzene (meta)		<0.00181	mg/L	0.005
1,4-Dichlorobenzene (para)		<0.00179	mg/L	0.005
Benzyl alcohol		<0.00244	mg/L	0.005
1,2-Dichlorobenzene (ortho)		<0.00173	mg/L	0.005
2-Methylphenol		<0.00230	mg/L	0.005
bis(2-chloroisopropyl)ether		<0.00209	mg/L	0.005
4-Methylphenol / 3-Methylphenol		<0.00229	mg/L	0.005
N-Nitrosodi-n-propylamine		<0.00236	mg/L	0.005
Hexachloroethane		<0.00189	mg/L	0.005
Acetophenone		<0.00211	mg/L	0.005
Nitrobenzene		<0.00192	mg/L	0.005
N-Nitrosopiperidine		<0.00208	mg/L	0.005
Isophorone		<0.00206	mg/L	0.005
2-Nitrophenol		<0.00189	mg/L	0.005
2,4-Dimethylphenol		<0.00209	mg/L	0.005
bis(2-chloroethoxy)methane		<0.00216	mg/L	0.005
2,4-Dichlorophenol		<0.00192	mg/L	0.005
1,2,4-Trichlorobenzene		<0.00176	mg/L	0.005
Benzoic acid		<0.00765	mg/L	0.005
Naphthalene		<0.00187	mg/L	0.005
a,a-Dimethylphenethylamine		<0.00146	mg/L	0.005
4-Chloroaniline		<0.00210	mg/L	0.005
2,6-Dichlorophenol		<0.00199	mg/L	0.01
Hexachlorobutadiene		<0.00186	mg/L	0.005
N-Nitroso-di-n-butylamine		<0.00214	mg/L	0.005
4-Chloro-3-methylphenol		<0.00182	mg/L	0.005
2-Methylnaphthalene		<0.00206	mg/L	0.005
1-Methylnaphthalene		<0.00205	mg/L	0.005
1,2,4,5-Tetrachlorobenzene		<0.00211	mg/L	0.005
Hexachlorocyclopentadiene		<0.00175	mg/L	0.005
2,4,6-Trichlorophenol		<0.00200	mg/L	0.01
2,4,5-Trichlorophenol		<0.00176	mg/L	0.005
2-Chloronaphthalene		<0.00200	mg/L	0.005
1-Chloronaphthalene		<0.00259	mg/L	0.005
2-Nitroaniline		<0.00167	mg/L	0.005
Dimethylphthalate		<0.00160	mg/L	0.005
Acenaphthylene		<0.00201	mg/L	0.005
2,6-Dinitrotoluene		<0.00158	mg/L	0.005
3-Nitroaniline		<0.00166	mg/L	0.005
Acenaphthene		<0.00191	mg/L	0.005
2,4-Dinitrophenol		<0.000621	mg/L	0.005
Dibenzofuran		<0.00185	mg/L	0.005
Pentachlorobenzene		<0.00189	mg/L	0.005
4-Nitrophenol		<0.00156	mg/L	0.025
2,4-Dinitrotoluene		<0.00187	mg/L	0.005
1-Naphthylamine		<0.00149	mg/L	0.005
2,3,4,6-Tetrachlorophenol		<0.00162	mg/L	0.01
2-Naphthylamine		<0.00157	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Fluorene		<0.00182	mg/L	0.005
4-Chlorophenyl-phenylether		<0.00188	mg/L	0.005
Diethylphthalate		<0.00182	mg/L	0.005
4-Nitroaniline		<0.00182	mg/L	0.005
Diphenylhydrazine		<0.00184	mg/L	0.005
4,6-Dinitro-2-methylphenol		<0.00109	mg/L	0.005
Diphenylamine		<0.00193	mg/L	0.005
4-Bromophenyl-phenylether		<0.00179	mg/L	0.005
Phenacetin		<0.00190	mg/L	0.005
Hexachlorobenzene		<0.00193	mg/L	0.005
4-Aminobiphenyl		<0.00185	mg/L	0.005
Pentachlorophenol		<0.00130	mg/L	0.01
Anthracene		<0.00190	mg/L	0.005
Pentachloronitrobenzene		<0.00187	mg/L	0.005
Pronamide		<0.00182	mg/L	0.005
Phenanthrene		<0.00186	mg/L	0.005
Di-n-butylphthalate		<0.00180	mg/L	0.005
Fluoranthene		<0.00184	mg/L	0.005
Benzidine		<0.00156	mg/L	0.025
Pyrene		<0.00165	mg/L	0.005
p-Dimethylaminoazobenzene		<0.00145	mg/L	0.005
Butylbenzylphthalate		<0.00165	mg/L	0.005
Benzo(a)anthracene		<0.00157	mg/L	0.005
3,3-Dichlorobenzidine		<0.00162	mg/L	0.005
Chrysene		<0.00162	mg/L	0.005
bis(2-ethylhexyl)phthalate		<0.00171	mg/L	0.005
Di-n-octylphthalate		<0.00136	mg/L	0.005
Benzo(b)fluoranthene		<0.00160	mg/L	0.005
Benzo(k)fluoranthene		<0.00179	mg/L	0.005
7,12-Dimethylbenz(a)anthracene		<0.00152	mg/L	0.005
Benzo(a)pyrene		<0.00161	mg/L	0.005
3-Methylcholanthrene		<0.00147	mg/L	0.005
Dibenzo(a,j)acridine		<0.00154	mg/L	0.005
Indeno(1,2,3-cd)pyrene		<0.00160	mg/L	0.005
Dibenzo(a,h)anthracene		<0.00180	mg/L	0.005
Benzo(g,h,i)perylene		<0.00166	mg/L	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0134	mg/L	1	0.0800	17	10 - 66.9
Phenol-d5		0.00940	mg/L	1	0.0800	12	10 - 50.7
Nitrobenzene-d5		0.0334	mg/L	1	0.0800	42	10 - 124
2-Fluorobiphenyl		0.0316	mg/L	1	0.0800	40	10 - 127
2,4,6-Tribromophenol		0.0398	mg/L	1	0.0800	50	10 - 138
Terphenyl-d14		0.0456	mg/L	1	0.0800	57	10 - 143

Laboratory Control Spike (LCS-1)

QC Batch: 39478 Date Analyzed: 2007-07-28 Analyzed By: TG
Prep Batch: 34176 QC Preparation: 2007-07-27 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	30.0	mg/L	1	25.0	<1.06	120	56.9 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	26.6	mg/L	1	25.0	<1.06	106	56.9 - 128	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	25.2	23.9	mg/L	1	15.0	168	159	40.7 - 174

Laboratory Control Spike (LCS-1)

QC Batch: 39558 Date Analyzed: 2007-07-27 Analyzed By: JG
Prep Batch: 34240 QC Preparation: 2007-07-27 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	49.4	µg/L	1	50.0	<0.351	99	85.7 - 113
Dichlorodifluoromethane	53.7	µg/L	1	50.0	<0.306	107	60.3 - 134
Chloromethane (methyl chloride)	43.4	µg/L	1	50.0	<0.240	87	72 - 120
Vinyl Chloride	45.8	µg/L	1	50.0	<0.224	92	64.4 - 132
Bromomethane (methyl bromide)	49.3	µg/L	1	50.0	<0.325	99	65.9 - 133
Chloroethane	47.4	µg/L	1	50.0	<0.303	95	65.3 - 132
Trichlorofluoromethane	54.6	µg/L	1	50.0	<0.255	109	52.7 - 159
Acetone	59.5	µg/L	1	50.0	<1.86	119	10 - 185
Iodomethane (methyl iodide)	49.6	µg/L	1	50.0	<0.397	99	80.9 - 112
Carbon Disulfide	47.1	µg/L	1	50.0	<0.354	94	73.7 - 120
Acrylonitrile	49.6	µg/L	1	50.0	<0.306	99	75.8 - 121
2-Butanone (MEK)	57.6	µg/L	1	50.0	<0.670	115	43.7 - 117
4-Methyl-2-pentanone (MIBK)	50.1	µg/L	1	50.0	<0.463	100	69.3 - 120
2-Hexanone	59.5	µg/L	1	50.0	<0.303	119	35.6 - 138
trans 1,4-Dichloro-2-butene	56.4	µg/L	1	50.0	<0.407	113	40 - 128
1,1-Dichloroethene	48.1	µg/L	1	50.0	<0.326	96	83.4 - 114
Methylene chloride	45.0	µg/L	1	50.0	<0.375	90	62.6 - 119
MTBE	49.8	µg/L	1	50.0	<0.352	100	70 - 132
trans-1,2-Dichloroethene	47.4	µg/L	1	50.0	<0.322	95	83.3 - 114
1,1-Dichloroethane	48.3	µg/L	1	50.0	<0.324	97	81 - 124
cis-1,2-Dichloroethene	47.2	µg/L	1	50.0	<0.331	94	83.8 - 115
2,2-Dichloropropane	54.4	µg/L	1	50.0	<0.440	109	37.9 - 136
1,2-Dichloroethane (EDC)	50.0	µg/L	1	50.0	<0.327	100	67.8 - 131
Chloroform	49.0	µg/L	1	50.0	<0.345	98	75.1 - 125
1,1,1-Trichloroethane	51.2	µg/L	1	50.0	<0.303	102	72.9 - 123

continued . . .

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloropropene	49.2	µg/L	1	50.0	<0.356	98	85.9 - 119
Benzene	47.0	µg/L	1	50.0	<0.356	94	83.5 - 115
Carbon Tetrachloride	52.7	µg/L	1	50.0	<0.342	105	62.7 - 144
1,2-Dichloropropane	47.2	µg/L	1	50.0	<0.366	94	88.8 - 114
Trichloroethene (TCE)	49.6	µg/L	1	50.0	<0.434	99	91.3 - 111
Dibromomethane (methylene bromide)	49.5	µg/L	1	50.0	<0.406	99	84.2 - 118
Bromodichloromethane	51.2	µg/L	1	50.0	<0.325	102	79.5 - 127
2-Chloroethyl vinyl ether	48.5	µg/L	1	50.0	<0.366	97	75.1 - 128
cis-1,3-Dichloropropene	52.0	µg/L	1	50.0	<0.387	104	83.2 - 119
trans-1,3-Dichloropropene	53.0	µg/L	1	50.0	<0.367	106	77.4 - 126
Toluene	48.6	µg/L	1	50.0	<0.366	97	82 - 110
1,1,2-Trichloroethane	48.2	µg/L	1	50.0	<0.397	96	77 - 123
1,3-Dichloropropane	47.9	µg/L	1	50.0	<0.355	96	81.1 - 124
Dibromochloromethane	51.5	µg/L	1	50.0	<0.315	103	79 - 129
1,2-Dibromoethane (EDB)	49.7	µg/L	1	50.0	<0.340	99	78.6 - 126
Tetrachloroethene (PCE)	47.6	µg/L	1	50.0	<0.355	95	36.7 - 173
Chlorobenzene	48.1	µg/L	1	50.0	<0.363	96	87.9 - 109
1,1,1,2-Tetrachloroethane	50.2	µg/L	1	50.0	<0.338	100	80.5 - 125
Ethylbenzene	48.2	µg/L	1	50.0	<0.350	96	82.4 - 116
m,p-Xylene	96.5	µg/L	1	100	<0.752	96	80 - 119
Bromoform	52.9	µg/L	1	50.0	<0.275	106	75.8 - 132
Styrene	50.5	µg/L	1	50.0	<0.395	101	84.2 - 117
o-Xylene	49.9	µg/L	1	50.0	<0.375	100	82.1 - 119
1,1,2,2-Tetrachloroethane	48.2	µg/L	1	50.0	<0.283	96	69.7 - 124
2-Chlorotoluene	48.1	µg/L	1	50.0	<0.445	96	76.5 - 123
1,2,3-Trichloropropane	49.1	µg/L	1	50.0	<0.430	98	66.3 - 130
Isopropylbenzene	48.7	µg/L	1	50.0	<0.521	97	78.3 - 123
Bromobenzene	47.5	µg/L	1	50.0	<0.494	95	79.9 - 122
n-Propylbenzene	48.0	µg/L	1	50.0	<0.483	96	72.6 - 122
1,3,5-Trimethylbenzene	49.0	µg/L	1	50.0	<0.487	98	69.6 - 127
tert-Butylbenzene	49.1	µg/L	1	50.0	<0.496	98	64 - 129
1,2,4-Trimethylbenzene	48.8	µg/L	1	50.0	<0.532	98	71 - 123
1,4-Dichlorobenzene (para)	47.8	µg/L	1	50.0	<0.413	96	74 - 118
sec-Butylbenzene	48.8	µg/L	1	50.0	<0.449	98	59.8 - 129
1,3-Dichlorobenzene (meta)	48.8	µg/L	1	50.0	<0.451	98	80.2 - 119
p-Isopropyltoluene	50.2	µg/L	1	50.0	<0.450	100	54.8 - 135
4-Chlorotoluene	48.8	µg/L	1	50.0	<0.489	98	78.9 - 124
1,2-Dichlorobenzene (ortho)	49.6	µg/L	1	50.0	<0.438	99	80 - 120
n-Butylbenzene	51.0	µg/L	1	50.0	<0.461	102	51.1 - 136
1,2-Dibromo-3-chloropropane	54.4	µg/L	1	50.0	<0.532	109	38.2 - 151
1,2,3-Trichlorobenzene	62.0	µg/L	1	50.0	<0.288	124	25.4 - 158
1,2,4-Trichlorobenzene	58.2	µg/L	1	50.0	<0.273	116	38.2 - 140
Naphthalene	65.3	µg/L	1	50.0	<0.299	131	33.3 - 152
Hexachlorobutadiene	53.8	µg/L	1	50.0	<0.483	108	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	49.1	µg/L	1	50.0	<0.351	98	85.7 - 113	1	20
Dichlorodifluoromethane	51.4	µg/L	1	50.0	<0.306	103	60.3 - 134	4	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloromethane (methyl chloride)	47.2	µg/L	1	50.0	<0.240	94	72 - 120	8	20
Vinyl Chloride	47.9	µg/L	1	50.0	<0.224	96	64.4 - 132	4	20
Bromomethane (methyl bromide)	49.0	µg/L	1	50.0	<0.325	98	65.9 - 133	1	20
Chloroethane	46.9	µg/L	1	50.0	<0.303	94	65.3 - 132	1	20
Trichlorofluoromethane	53.8	µg/L	1	50.0	<0.255	108	52.7 - 159	2	20
Acetone	52.3	µg/L	1	50.0	<1.86	105	10 - 185	13	20
Iodomethane (methyl iodide)	48.7	µg/L	1	50.0	<0.397	97	80.9 - 112	2	20
Carbon Disulfide	46.7	µg/L	1	50.0	<0.354	93	73.7 - 120	1	20
Acrylonitrile	49.0	µg/L	1	50.0	<0.306	98	75.8 - 121	1	20
2-Butanone (MEK)	54.3	µg/L	1	50.0	<0.670	109	43.7 - 117	6	20
4-Methyl-2-pentanone (MIBK)	50.3	µg/L	1	50.0	<0.463	101	69.3 - 120	0	20
2-Hexanone	55.8	µg/L	1	50.0	<0.303	112	35.6 - 138	6	20
trans 1,4-Dichloro-2-butene	54.6	µg/L	1	50.0	<0.407	109	40 - 128	3	20
1,1-Dichloroethene	47.2	µg/L	1	50.0	<0.326	94	83.4 - 114	2	20
Methylene chloride	44.4	µg/L	1	50.0	<0.375	89	62.6 - 119	1	20
MTBE	49.1	µg/L	1	50.0	<0.352	98	70 - 132	1	20
trans-1,2-Dichloroethene	46.7	µg/L	1	50.0	<0.322	93	83.3 - 114	2	20
1,1-Dichloroethane	48.0	µg/L	1	50.0	<0.324	96	81 - 124	1	20
cis-1,2-Dichloroethene	46.7	µg/L	1	50.0	<0.331	93	83.8 - 115	1	20
2,2-Dichloropropane	52.7	µg/L	1	50.0	<0.440	105	37.9 - 136	3	20
1,2-Dichloroethane (EDC)	49.7	µg/L	1	50.0	<0.327	99	67.8 - 131	1	20
Chloroform	48.3	µg/L	1	50.0	<0.345	97	75.1 - 125	1	20
1,1,1-Trichloroethane	50.5	µg/L	1	50.0	<0.303	101	72.9 - 123	1	20
1,1-Dichloropropene	48.5	µg/L	1	50.0	<0.356	97	85.9 - 119	1	20
Benzene	46.1	µg/L	1	50.0	<0.356	92	83.5 - 115	2	20
Carbon Tetrachloride	51.9	µg/L	1	50.0	<0.342	104	62.7 - 144	2	20
1,2-Dichloropropane	46.6	µg/L	1	50.0	<0.366	93	88.8 - 114	1	20
Trichloroethene (TCE)	48.9	µg/L	1	50.0	<0.434	98	91.3 - 111	1	20
Dibromomethane (methylene bromide)	48.4	µg/L	1	50.0	<0.406	97	84.2 - 118	2	20
Bromodichloromethane	50.6	µg/L	1	50.0	<0.325	101	79.5 - 127	1	20
2-Chloroethyl vinyl ether	47.9	µg/L	1	50.0	<0.366	96	75.1 - 128	1	20
cis-1,3-Dichloropropene	51.0	µg/L	1	50.0	<0.387	102	83.2 - 119	2	20
trans-1,3-Dichloropropene	52.1	µg/L	1	50.0	<0.367	104	77.4 - 126	2	20
Toluene	48.1	µg/L	1	50.0	<0.366	96	82 - 110	1	20
1,1,2-Trichloroethane	47.6	µg/L	1	50.0	<0.397	95	77 - 123	1	20
1,3-Dichloropropane	48.2	µg/L	1	50.0	<0.355	96	81.1 - 124	1	20
Dibromochloromethane	51.6	µg/L	1	50.0	<0.315	103	79 - 129	0	20
1,2-Dibromoethane (EDB)	50.1	µg/L	1	50.0	<0.340	100	78.6 - 126	1	20
Tetrachloroethene (PCE)	48.0	µg/L	1	50.0	<0.355	96	36.7 - 173	1	20
Chlorobenzene	48.2	µg/L	1	50.0	<0.363	96	87.9 - 109	0	20
1,1,1,2-Tetrachloroethane	50.3	µg/L	1	50.0	<0.338	101	80.5 - 125	0	20
Ethylbenzene	47.8	µg/L	1	50.0	<0.350	96	82.4 - 116	1	20
m,p-Xylene	97.2	µg/L	1	100	<0.752	97	80 - 119	1	20
Bromoform	53.0	µg/L	1	50.0	<0.275	106	75.8 - 132	0	20
Styrene	50.4	µg/L	1	50.0	<0.395	101	84.2 - 117	0	20
o-Xylene	49.4	µg/L	1	50.0	<0.375	99	82.1 - 119	1	20
1,1,2,2-Tetrachloroethane	48.3	µg/L	1	50.0	<0.283	97	69.7 - 124	0	20
2-Chlorotoluene	47.6	µg/L	1	50.0	<0.445	95	76.5 - 123	1	20
1,2,3-Trichloropropane	48.5	µg/L	1	50.0	<0.430	97	66.3 - 130	1	20
Isopropylbenzene	48.2	µg/L	1	50.0	<0.521	96	78.3 - 123	1	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromobenzene	47.0	μg/L	1	50.0	<0.494	94	79.9 - 122	1	20
n-Propylbenzene	47.3	μg/L	1	50.0	<0.483	95	72.6 - 122	2	20
1,3,5-Trimethylbenzene	48.2	μg/L	1	50.0	<0.487	96	69.6 - 127	2	20
tert-Butylbenzene	48.6	μg/L	1	50.0	<0.496	97	64 - 129	1	20
1,2,4-Trimethylbenzene	48.2	μg/L	1	50.0	<0.532	96	71 - 123	1	20
1,4-Dichlorobenzene (para)	47.7	μg/L	1	50.0	<0.413	95	74 - 118	0	20
sec-Butylbenzene	48.6	μg/L	1	50.0	<0.449	97	59.8 - 129	0	20
1,3-Dichlorobenzene (meta)	48.3	μg/L	1	50.0	<0.451	97	80.2 - 119	1	20
p-Isopropyltoluene	50.0	μg/L	1	50.0	<0.450	100	54.8 - 135	0	20
4-Chlorotoluene	48.0	μg/L	1	50.0	<0.489	96	78.9 - 124	2	20
1,2-Dichlorobenzene (ortho)	49.6	μg/L	1	50.0	<0.438	99	80 - 120	0	20
n-Butylbenzene	50.3	μg/L	1	50.0	<0.461	101	51.1 - 136	1	20
1,2-Dibromo-3-chloropropane	52.7	μg/L	1	50.0	<0.532	105	38.2 - 151	3	20
1,2,3-Trichlorobenzene	62.8	μg/L	1	50.0	<0.288	126	25.4 - 158	1	20
1,2,4-Trichlorobenzene	57.6	μg/L	1	50.0	<0.273	115	38.2 - 140	1	20
Naphthalene	65.2	μg/L	1	50.0	<0.299	130	33.3 - 152	0	20
Hexachlorobutadiene	54.2	μg/L	1	50.0	<0.483	108	49.1 - 134	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	50.6	50.5	μg/L	1	50.0	101	101	82.4 - 115
Toluene-d8	49.0	49.6	μg/L	1	50.0	98	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)	50.8	50.8	μg/L	1	50.0	102	102	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 39661 Date Analyzed: 2007-08-03 Analyzed By: DS
Prep Batch: 34324 QC Preparation: 2007-08-02 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.0164	mg/L	1	0.0800	0	20	10 - 46.1
2-Chlorophenol	0.0467	mg/L	1	0.0800	0	58	10 - 123
1,4-Dichlorobenzene (para)	0.0440	mg/L	1	0.0800	0	55	10 - 118
N-Nitrosodi-n-propylamine	0.0736	mg/L	1	0.0800	0	92	10 - 132
1,2,4-Trichlorobenzene	0.0674	mg/L	1	0.0800	0	84	10 - 130
Naphthalene	0.0445	mg/L	1	0.0800	0	56	20.3 - 121
4-Chloro-3-methylphenol	0.0467	mg/L	1	0.0800	0	58	10 - 140
Acenaphthylene	0.0602	mg/L	1	0.0800	0	75	22.3 - 124
Acenaphthene	0.0571	mg/L	1	0.0800	0	71	18.8 - 134
Dibenzofuran	0.0643	mg/L	1	0.0800	0	80	37.5 - 102
4-Nitrophenol [4]	0.139	mg/L	1	0.0800	0	174	10 - 135
2,4-Dinitrotoluene	0.0715	mg/L	1	0.0800	0	89	13.6 - 152
Fluorene	0.0635	mg/L	1	0.0800	0	79	29.7 - 114
Pentachlorophenol	0.0483	mg/L	1	0.0800	0	60	10 - 144
Anthracene	0.0674	mg/L	1	0.0800	0	84	48.2 - 118

continued ...

[4] 4-Nitrophenol out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenanthrene	0.0670	mg/L	1	0.0800	0	84	45.5 - 121
Fluoranthene	0.0819	mg/L	1	0.0800	0	102	42.7 - 126
Pyrene	0.0597	mg/L	1	0.0800	0	75	26.8 - 155
Benzo(a)anthracene	0.0624	mg/L	1	0.0800	0	78	60.2 - 97.3
Chrysene	0.0654	mg/L	1	0.0800	0	82	56 - 92.4
Benzo(b)fluoranthene	0.0596	mg/L	1	0.0800	0	74	73.9 - 102
Benzo(k)fluoranthene	0.0661	mg/L	1	0.0800	0	83	45.6 - 143
Benzo(a)pyrene	0.0677	mg/L	1	0.0800	0	85	54.8 - 122
Indeno(1,2,3-cd)pyrene	0.0759	mg/L	1	0.0800	0	95	61.4 - 118
Dibenzo(a,h)anthracene	0.0731	mg/L	1	0.0800	0	91	64.9 - 118
Benzo(g,h,i)perylene	0.0741	mg/L	1	0.0800	0	93	46.8 - 129

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.0167	mg/L	1	0.0800	0	21	10 - 46.1	2	20
2-Chlorophenol	0.0471	mg/L	1	0.0800	0	59	10 - 123	1	20
1,4-Dichlorobenzene (para)	0.0443	mg/L	1	0.0800	0	55	10 - 118	1	20
N-Nitrosodi-n-propylamine	0.0753	mg/L	1	0.0800	0	94	10 - 132	2	20
1,2,4-Trichlorobenzene	0.0678	mg/L	1	0.0800	0	85	10 - 130	1	20
Naphthalene	0.0447	mg/L	1	0.0800	0	56	20.3 - 121	0	20
4-Chloro-3-methylphenol	0.0471	mg/L	1	0.0800	0	59	10 - 140	1	20
Acenaphthylene	0.0608	mg/L	1	0.0800	0	76	22.3 - 124	1	20
Acenaphthene	0.0575	mg/L	1	0.0800	0	72	18.8 - 134	1	20
Dibenzofuran	0.0653	mg/L	1	0.0800	0	82	37.5 - 102	2	20
4-Nitrophenol [5]	0.141	mg/L	1	0.0800	0	176	10 - 135	1	20
2,4-Dinitrotoluene	0.0714	mg/L	1	0.0800	0	89	13.6 - 152	0	20
Fluorene	0.0637	mg/L	1	0.0800	0	80	29.7 - 114	0	20
Pentachlorophenol	0.0503	mg/L	1	0.0800	0	63	10 - 144	4	20
Anthracene	0.0677	mg/L	1	0.0800	0	85	48.2 - 118	0	20
Phenanthrene	0.0665	mg/L	1	0.0800	0	83	45.5 - 121	1	20
Fluoranthene	0.0819	mg/L	1	0.0800	0	102	42.7 - 126	0	20
Pyrene	0.0592	mg/L	1	0.0800	0	74	26.8 - 155	1	20
Benzo(a)anthracene	0.0628	mg/L	1	0.0800	0	78	60.2 - 97.3	1	20
Chrysene	0.0653	mg/L	1	0.0800	0	82	56 - 92.4	0	20
Benzo(b)fluoranthene	0.0603	mg/L	1	0.0800	0	75	73.9 - 102	1	20
Benzo(k)fluoranthene	0.0673	mg/L	1	0.0800	0	84	45.6 - 143	2	20
Benzo(a)pyrene	0.0682	mg/L	1	0.0800	0	85	54.8 - 122	1	20
Indeno(1,2,3-cd)pyrene	0.0767	mg/L	1	0.0800	0	96	61.4 - 118	1	20
Dibenzo(a,h)anthracene	0.0739	mg/L	1	0.0800	0	92	64.9 - 118	1	20
Benzo(g,h,i)perylene	0.0751	mg/L	1	0.0800	0	94	46.8 - 129	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0223	0.0216	mg/L	1	0.0800	28	27	10 - 109
Phenol-d5	0.0164	0.0166	mg/L	1	0.0800	20	21	10 - 61.5
Nitrobenzene-d5	0.0607	0.0606	mg/L	1	0.0800	76	76	10 - 139

continued ...

[5] 4-Nitrophenol out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •

control spikes continued ...

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorobiphenyl	0.0752	0.0763	mg/L	1	0.0800	94	95	10 - 139
2,4,6-Tribromophenol	0.0974	0.0972	mg/L	1	0.0800	122	122	10 - 161
Terphenyl-d14	0.0782	0.0785	mg/L	1	0.0800	98	98	10 - 144

Matrix Spike (MS-1) Spiked Sample: 131072

QC Batch: 39478 Date Analyzed: 2007-07-28 Analyzed By: TG
Prep Batch: 34176 QC Preparation: 2007-07-27 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	20.4	mg/L	1	25.0	<1.06	82	61.9 - 112.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO [6]	28.3	mg/L	1	25.0	<1.06	113	61.9 - 112.2	32	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane [7]	26.0	28.0	mg/L	1	15	173	187	40.7 - 174

Matrix Spike (MS-1) Spiked Sample: 131072

QC Batch: 39558 Date Analyzed: 2007-07-27 Analyzed By: JG
Prep Batch: 34240 QC Preparation: 2007-07-27 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	52.3	µg/L	1	50.0	<0.0699	105	82.5 - 118
Dichlorodifluoromethane	60.9	µg/L	1	50.0	<0.0598	122	46.8 - 125
Chloromethane (methyl chloride)	58.1	µg/L	1	50.0	<0.230	116	67.1 - 127
Vinyl Chloride	56.3	µg/L	1	50.0	<0.0902	113	63.7 - 129
Bromomethane (methyl bromide)	59.7	µg/L	1	50.0	<0.740	119	65.7 - 127
Chloroethane	59.3	µg/L	1	50.0	<0.195	119	69.9 - 131
Trichlorofluoromethane	63.3	µg/L	1	50.0	<0.160	127	60.2 - 134
Acetone [8]	105	µg/L	1	50.0	<0.854	210	12.1 - 136
Iodomethane (methyl iodide)	49.5	µg/L	1	50.0	<0.112	99	75.7 - 115
Carbon Disulfide	54.8	µg/L	1	50.0	<0.0764	110	67.6 - 131
Acrylonitrile	58.9	µg/L	1	50.0	<0.184	118	79.9 - 131
2-Butanone (MEK)	52.2	µg/L	1	50.0	<0.394	104	28.7 - 137
4-Methyl-2-pentanone (MIBK)	53.3	µg/L	1	50.0	<0.484	107	77.1 - 122
2-Hexanone	68.4	µg/L	1	50.0	<0.0975	137	42.3 - 145

continued ...

[6] MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.
[7] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[8] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
trans 1,4-Dichloro-2-butene	59.6	µg/L	1	50.0	<0.421	119	38.5 - 122
1,1-Dichloroethene	51.3	µg/L	1	50.0	<0.0736	103	78.7 - 119
Methylene chloride	48.8	µg/L	1	50.0	<0.689	98	64.9 - 121
MTBE	56.6	µg/L	1	50.0	<0.0504	113	46.6 - 162
trans-1,2-Dichloroethene	52.0	µg/L	1	50.0	<0.0598	104	75.1 - 119
1,1-Dichloroethane	56.5	µg/L	1	50.0	<0.0299	113	86.3 - 119
cis-1,2-Dichloroethene	50.9	µg/L	1	50.0	<0.101	102	82.6 - 116
2,2-Dichloropropane	36.4	µg/L	1	50.0	<0.0665	73	7.8 - 109
1,2-Dichloroethane (EDC)	64.4	µg/L	1	50.0	<0.0557	129	82.7 - 130
Chloroform [9]	63.1	µg/L	1	50.0	<0.0475	126	83.6 - 119
1,1,1-Trichloroethane	59.4	µg/L	1	50.0	<0.0846	119	69.6 - 126
1,1-Dichloropropene	53.5	µg/L	1	50.0	<0.0423	107	79.2 - 121
Benzene	50.0	µg/L	1	50.0	<0.0495	100	75.8 - 125
Carbon Tetrachloride	57.1	µg/L	1	50.0	<0.121	114	58.7 - 143
1,2-Dichloropropane	51.8	µg/L	1	50.0	<0.0933	104	88.4 - 117
Trichloroethene (TCE)	46.8	µg/L	1	50.0	<0.0495	94	83.6 - 112
Dibromomethane (methylene bromide)	53.7	µg/L	1	50.0	<0.0640	107	90.7 - 117
Bromodichloromethane	58.6	µg/L	1	50.0	<0.0651	117	83.4 - 127
2-Chloroethyl vinyl ether	53.2	µg/L	1	50.0	<0.0905	106	10 - 211
cis-1,3-Dichloropropene	50.5	µg/L	1	50.0	<0.0640	101	78.6 - 113
trans-1,3-Dichloropropene	54.4	µg/L	1	50.0	<0.0504	109	81.8 - 113
Toluene	50.7	µg/L	1	50.0	<0.0736	101	81.6 - 115
1,1,2-Trichloroethane	51.2	µg/L	1	50.0	<0.106	102	83.2 - 122
1,3-Dichloropropane	52.8	µg/L	1	50.0	<0.0625	106	87.3 - 123
Dibromochloromethane	53.4	µg/L	1	50.0	<0.0791	107	81.4 - 130
1,2-Dibromoethane (EDB)	51.3	µg/L	1	50.0	<0.0460	103	91.4 - 118
Tetrachloroethene (PCE)	44.0	µg/L	1	50.0	<0.0696	88	51.8 - 111
Chlorobenzene	48.3	µg/L	1	50.0	<0.0217	97	83.9 - 113
1,1,1,2-Tetrachloroethane	52.4	µg/L	1	50.0	<0.125	105	79.5 - 127
Ethylbenzene	50.9	µg/L	1	50.0	<0.0566	102	75.4 - 121
m,p-Xylene	104	µg/L	1	100	<0.0363	104	74 - 124
Bromoform	54.3	µg/L	1	50.0	<0.0859	109	77.5 - 134
Styrene	48.2	µg/L	1	50.0	<0.0394	96	10 - 180
o-Xylene	53.7	µg/L	1	50.0	<0.0504	107	75.4 - 126
1,1,2,2-Tetrachloroethane	53.6	µg/L	1	50.0	<0.0672	107	86.4 - 122
2-Chlorotoluene	48.9	µg/L	1	50.0	<0.0283	98	69.2 - 128
1,2,3-Trichloropropane	49.9	µg/L	1	50.0	<0.0679	100	75.8 - 121
Isopropylbenzene	46.9	µg/L	1	50.0	<0.0406	94	69.6 - 127
Bromobenzene	49.3	µg/L	1	50.0	<0.103	99	77.1 - 125
n-Propylbenzene	47.9	µg/L	1	50.0	<0.0423	96	67.1 - 125
1,3,5-Trimethylbenzene	47.7	µg/L	1	50.0	<0.0557	95	66.1 - 126
tert-Butylbenzene	47.2	µg/L	1	50.0	<0.0770	94	63.9 - 126
1,2,4-Trimethylbenzene	48.0	µg/L	1	50.0	<0.0336	96	65 - 123
1,4-Dichlorobenzene (para)	46.3	µg/L	1	50.0	<0.0672	93	66.7 - 119
sec-Butylbenzene	47.4	µg/L	1	50.0	<0.0439	95	57.6 - 127
1,3-Dichlorobenzene (meta)	46.6	µg/L	1	50.0	<0.0672	93	78.8 - 118
p-Isopropyltoluene	47.8	µg/L	1	50.0	<0.0513	96	56.6 - 128
4-Chlorotoluene	49.3	µg/L	1	50.0	<0.0460	99	74 - 127
1,2-Dichlorobenzene (ortho)	47.6	µg/L	1	50.0	<0.0629	95	81.2 - 119

continued ...

[9] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
n-Butylbenzene	50.3	µg/L	1	50.0	<0.0400	101	50.4 - 130
1,2-Dibromo-3-chloropropane	55.3	µg/L	1	50.0	<0.538	111	55.7 - 152
1,2,3-Trichlorobenzene	45.1	µg/L	1	50.0	<0.504	90	32.6 - 149
1,2,4-Trichlorobenzene	47.3	µg/L	1	50.0	<0.166	95	35.8 - 144
Naphthalene	47.2	µg/L	1	50.0	<0.417	94	36.7 - 156
Hexachlorobutadiene	42.6	µg/L	1	50.0	<0.176	85	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	51.7	µg/L	1	50.0	<0.0699	103	82.5 - 118	1	20
Dichlorodifluoromethane	59.1	µg/L	1	50.0	<0.0598	118	46.8 - 125	3	20
Chloromethane (methyl chloride)	56.9	µg/L	1	50.0	<0.230	114	67.1 - 127	2	20
Vinyl Chloride	57.0	µg/L	1	50.0	<0.0902	114	63.7 - 129	1	20
Bromomethane (methyl bromide)	58.1	µg/L	1	50.0	<0.740	116	65.7 - 127	3	20
Chloroethane	58.8	µg/L	1	50.0	<0.195	118	69.9 - 131	1	20
Trichlorofluoromethane	60.6	µg/L	1	50.0	<0.160	121	60.2 - 134	4	20
Acetone [10]	91.5	µg/L	1	50.0	<0.854	183	12.1 - 136	14	20
Iodomethane (methyl iodide)	50.6	µg/L	1	50.0	<0.112	101	75.7 - 115	2	20
Carbon Disulfide	53.9	µg/L	1	50.0	<0.0764	108	67.6 - 131	2	20
Acrylonitrile	57.8	µg/L	1	50.0	<0.184	116	79.9 - 131	2	20
2-Butanone (MEK)	49.7	µg/L	1	50.0	<0.394	99	28.7 - 137	5	20
4-Methyl-2-pentanone (MIBK)	51.9	µg/L	1	50.0	<0.484	104	77.1 - 122	3	20
2-Hexanone	66.1	µg/L	1	50.0	<0.0975	132	42.3 - 145	3	20
trans 1,4-Dichloro-2-butene	55.2	µg/L	1	50.0	<0.421	110	38.5 - 122	8	20
1,1-Dichloroethene	50.8	µg/L	1	50.0	<0.0736	102	78.7 - 119	1	20
Methylene chloride	48.3	µg/L	1	50.0	<0.689	97	64.9 - 121	1	20
MTBE	56.2	µg/L	1	50.0	<0.0504	112	46.6 - 162	1	20
trans-1,2-Dichloroethene	51.8	µg/L	1	50.0	<0.0598	104	75.1 - 119	0	20
1,1-Dichloroethane	56.1	µg/L	1	50.0	<0.0299	112	86.3 - 119	1	20
cis-1,2-Dichloroethene	50.8	µg/L	1	50.0	<0.101	102	82.6 - 116	0	20
2,2-Dichloropropane	34.8	µg/L	1	50.0	<0.0665	70	7.8 - 109	4	20
1,2-Dichloroethane (EDC)	61.8	µg/L	1	50.0	<0.0557	124	82.7 - 130	4	20
Chloroform [11]	61.6	µg/L	1	50.0	<0.0475	123	83.6 - 119	2	20
1,1,1-Trichloroethane	58.2	µg/L	1	50.0	<0.0846	116	69.6 - 126	2	20
1,1-Dichloropropene	53.0	µg/L	1	50.0	<0.0423	106	79.2 - 121	1	20
Benzene	49.5	µg/L	1	50.0	<0.0495	99	75.8 - 125	1	20
Carbon Tetrachloride	56.4	µg/L	1	50.0	<0.121	113	58.7 - 143	1	20
1,2-Dichloropropane	51.2	µg/L	1	50.0	<0.0933	102	88.4 - 117	1	20
Trichloroethene (TCE)	47.1	µg/L	1	50.0	<0.0495	94	83.6 - 112	1	20
Dibromomethane (methylene bromide)	52.6	µg/L	1	50.0	<0.0640	105	90.7 - 117	2	20
Bromodichloromethane	57.6	µg/L	1	50.0	<0.0651	115	83.4 - 127	2	20
2-Chloroethyl vinyl ether	52.6	µg/L	1	50.0	<0.0905	105	10 - 211	1	20
cis-1,3-Dichloropropene	49.7	µg/L	1	50.0	<0.0640	99	78.6 - 113	2	20
trans-1,3-Dichloropropene	52.5	µg/L	1	50.0	<0.0504	105	81.8 - 113	4	20
Toluene	50.0	µg/L	1	50.0	<0.0736	100	81.6 - 115	1	20
1,1,2-Trichloroethane	50.0	µg/L	1	50.0	<0.106	100	83.2 - 122	2	20
1,3-Dichloropropane	51.9	µg/L	1	50.0	<0.0625	104	87.3 - 123	2	20

continued ...

[10] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[11] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dibromochloromethane	51.9	μg/L	1	50.0	<0.0791	104	81.4 - 130	3	20
1,2-Dibromoethane (EDB)	50.1	μg/L	1	50.0	<0.0460	100	91.4 - 118	2	20
Tetrachloroethene (PCE)	44.5	μg/L	1	50.0	<0.0696	89	51.8 - 111	1	20
Chlorobenzene	47.8	μg/L	1	50.0	<0.0217	96	83.9 - 113	1	20
1,1,1,2-Tetrachloroethane	51.6	μg/L	1	50.0	<0.125	103	79.5 - 127	2	20
Ethylbenzene	50.2	μg/L	1	50.0	<0.0566	100	75.4 - 121	1	20
m,p-Xylene	101	μg/L	1	100	<0.0363	101	74 - 124	3	20
Bromoform	53.5	μg/L	1	50.0	<0.0859	107	77.5 - 134	2	20
Styrene	44.9	μg/L	1	50.0	<0.0394	90	10 - 180	7	20
o-Xylene	52.4	μg/L	1	50.0	<0.0504	105	75.4 - 126	2	20
1,1,2,2-Tetrachloroethane	51.6	μg/L	1	50.0	<0.0672	103	86.4 - 122	4	20
2-Chlorotoluene	48.9	μg/L	1	50.0	<0.0283	98	69.2 - 128	0	20
1,2,3-Trichloropropane	49.2	μg/L	1	50.0	<0.0679	98	75.8 - 121	1	20
Isopropylbenzene	47.1	μg/L	1	50.0	<0.0406	94	69.6 - 127	0	20
Bromobenzene	48.8	μg/L	1	50.0	<0.103	98	77.1 - 125	1	20
n-Propylbenzene	48.2	μg/L	1	50.0	<0.0423	96	67.1 - 125	1	20
1,3,5-Trimethylbenzene	48.0	μg/L	1	50.0	<0.0557	96	66.1 - 126	1	20
tert-Butylbenzene	47.0	μg/L	1	50.0	<0.0770	94	63.9 - 126	0	20
1,2,4-Trimethylbenzene	47.7	μg/L	1	50.0	<0.0336	95	65 - 123	1	20
1,4-Dichlorobenzene (para)	46.6	μg/L	1	50.0	<0.0672	93	66.7 - 119	1	20
sec-Butylbenzene	48.0	μg/L	1	50.0	<0.0439	96	57.6 - 127	1	20
1,3-Dichlorobenzene (meta)	46.7	μg/L	1	50.0	<0.0672	93	78.8 - 118	0	20
p-Isopropyltoluene	48.6	μg/L	1	50.0	<0.0513	97	56.6 - 128	2	20
4-Chlorotoluene	48.9	μg/L	1	50.0	<0.0460	98	74 - 127	1	20
1,2-Dichlorobenzene (ortho)	48.1	μg/L	1	50.0	<0.0629	96	81.2 - 119	1	20
n-Butylbenzene	50.5	μg/L	1	50.0	<0.0400	101	50.4 - 130	0	20
1,2-Dibromo-3-chloropropane	59.5	μg/L	1	50.0	<0.538	119	55.7 - 152	7	20
1,2,3-Trichlorobenzene [12]	58.6	μg/L	1	50.0	<0.504	117	32.6 - 149	26	20
1,2,4-Trichlorobenzene	54.1	μg/L	1	50.0	<0.166	108	35.8 - 144	13	20
Naphthalene [13]	63.3	μg/L	1	50.0	<0.417	127	36.7 - 156	29	20
Hexachlorobutadiene	47.4	μg/L	1	50.0	<0.176	95	39.6 - 125	11	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane [14]	58.0	57.2	μg/L	1	50	116	114	86.6 - 114
Toluene-d8	51.0	50.7	μg/L	1	50	102	101	91 - 109
4-Bromofluorobenzene (4-BFB)	56.3	54.9	μg/L	1	50	113	110	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 131454

QC Batch:	39661	Date Analyzed:	2007-08-03	Analyzed By:	DS
Prep Batch:	34324	QC Preparation:	2007-08-02	Prepared By:	DS

[12] Spike recovery out of control due to carryover. •
[13] Spike recovery out of control due to carryover. •
[14] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol		0.0161	mg/L	1	0.0800	0	20	10 - 53.2
2-Chlorophenol		0.0436	mg/L	1	0.0800	0	54	10 - 127
1,4-Dichlorobenzene (para)		0.0497	mg/L	1	0.0800	0	62	10 - 109
N-Nitrosodi-n-propylamine		0.0743	mg/L	1	0.0800	0	93	10 - 122
1,2,4-Trichlorobenzene		0.0794	mg/L	1	0.0800	0	99	10 - 121
Naphthalene		0.0534	mg/L	1	0.0800	0	67	16 - 95
4-Chloro-3-methylphenol		0.0430	mg/L	1	0.0800	0	54	10 - 193
Acenaphthylene		0.0621	mg/L	1	0.0800	0	78	16 - 95
Acenaphthene		0.0584	mg/L	1	0.0800	0	73	10 - 133
Dibenzofuran		0.0656	mg/L	1	0.0800	0	82	16 - 95
4-Nitrophenol	[15]	0.142	mg/L	1	0.0800	0	178	10 - 131
2,4-Dinitrotoluene		0.0718	mg/L	1	0.0800	0	90	10 - 163
Fluorene		0.0639	mg/L	1	0.0800	0	80	16 - 95
Pentachlorophenol		0.0497	mg/L	1	0.0800	0	62	10 - 163
Anthracene		0.0644	mg/L	1	0.0800	0	80	16 - 95
Phenanthrene		0.0641	mg/L	1	0.0800	0	80	16 - 95
Fluoranthene	[16]	0.0769	mg/L	1	0.0800	0	96	16 - 95
Pyrene		0.0561	mg/L	1	0.0800	0	70	17.6 - 146
Benzo(a)anthracene		0.0591	mg/L	1	0.0800	0	74	16 - 95
Chrysene		0.0622	mg/L	1	0.0800	0	78	16 - 95
Benzo(b)fluoranthene		0.0570	mg/L	1	0.0800	0	71	16 - 95
Benzo(k)fluoranthene		0.0656	mg/L	1	0.0800	0	82	16 - 95
Benzo(a)pyrene		0.0654	mg/L	1	0.0800	0	82	16 - 95
Indeno(1,2,3-cd)pyrene		0.0737	mg/L	1	0.0800	0	92	16 - 95
Dibenzo(a,h)anthracene		0.0709	mg/L	1	0.0800	0	89	16 - 95
Benzo(g,h,i)perylene		0.0724	mg/L	1	0.0800	0	90	16 - 95

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol		0.0167	mg/L	1	0.0800	0	21	10 - 53.2	4	20
2-Chlorophenol		0.0458	mg/L	1	0.0800	0	57	10 - 127	5	20
1,4-Dichlorobenzene (para)		0.0512	mg/L	1	0.0800	0	64	10 - 109	3	20
N-Nitrosodi-n-propylamine		0.0784	mg/L	1	0.0800	0	98	10 - 122	5	20
1,2,4-Trichlorobenzene		0.0834	mg/L	1	0.0800	0	104	10 - 121	5	20
Naphthalene		0.0557	mg/L	1	0.0800	0	70	16 - 95	4	20
4-Chloro-3-methylphenol		0.0450	mg/L	1	0.0800	0	56	10 - 193	5	20
Acenaphthylene		0.0640	mg/L	1	0.0800	0	80	16 - 95	3	20
Acenaphthene		0.0606	mg/L	1	0.0800	0	76	10 - 133	4	20
Dibenzofuran		0.0678	mg/L	1	0.0800	0	85	16 - 95	3	20
4-Nitrophenol	[17]	0.147	mg/L	1	0.0800	0	184	10 - 131	3	20
2,4-Dinitrotoluene		0.0748	mg/L	1	0.0800	0	94	10 - 163	4	20
Fluorene		0.0652	mg/L	1	0.0800	0	82	16 - 95	2	20
Pentachlorophenol		0.0524	mg/L	1	0.0800	0	66	10 - 163	5	20
Anthracene		0.0675	mg/L	1	0.0800	0	84	16 - 95	5	20
Phenanthrene		0.0675	mg/L	1	0.0800	0	84	16 - 95	5	20
Fluoranthene	[18]	0.0807	mg/L	1	0.0800	0	101	16 - 95	5	20

continued ...

[15] 4-Nitrophenol out of control limits for MS/MSD. Majority of analytes within range on LCS/LCSD show process is within control. •
[16] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[17] 4-Nitrophenol out of control limits for MS/MSD. Majority of analytes within range on LCS/LCSD show process is within control. •
[18] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Pyrene	0.0582	mg/L	1	0.0800	0	73	17.6 - 146	4	20
Benzo(a)anthracene	0.0622	mg/L	1	0.0800	0	78	16 - 95	5	20
Chrysene	0.0640	mg/L	1	0.0800	0	80	16 - 95	3	20
Benzo(b)fluoranthene	0.0564	mg/L	1	0.0800	0	70	16 - 95	1	20
Benzo(k)fluoranthene	0.0640	mg/L	1	0.0800	0	80	16 - 95	2	20
Benzo(a)pyrene	0.0648	mg/L	1	0.0800	0	81	16 - 95	1	20
Indeno(1,2,3-cd)pyrene	0.0728	mg/L	1	0.0800	0	91	16 - 95	1	20
Dibenzo(a,h)anthracene	0.0701	mg/L	1	0.0800	0	88	16 - 95	1	20
Benzo(g,h,i)perylene	0.0710	mg/L	1	0.0800	0	89	16 - 95	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	0.0198	0.0206	mg/L	1	0.08	25	26	10 - 72.2
Phenol-d5	0.0161	0.0166	mg/L	1	0.08	20	21	10 - 50.2
Nitrobenzene-d5	0.0597	0.0618	mg/L	1	0.08	75	77	10 - 131
2-Fluorobiphenyl	0.0841	0.0872	mg/L	1	0.08	105	109	10 - 118
2,4,6-Tribromophenol	0.0976	0.0991	mg/L	1	0.08	122	124	10 - 181
Terphenyl-d14	0.0744	0.0777	mg/L	1	0.08	93	97	10 - 155

Standard (ICV-1)

QC Batch: 39478 Date Analyzed: 2007-07-28 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	263	105	85 - 115	2007-07-28

Standard (CCV-1)

QC Batch: 39478 Date Analyzed: 2007-07-28 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	259	104	85 - 115	2007-07-28

Standard (CCV-1)

QC Batch: 39558 Date Analyzed: 2007-07-27 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		μg/L	50.0	49.5	99	70 - 130	2007-07-27
Dichlorodifluoromethane		μg/L	50.0	52.8	106	70 - 130	2007-07-27
Chloromethane (methyl chloride)		μg/L	50.0	48.0	96	70 - 130	2007-07-27

continued . . .

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	48.9	98	80 - 120	2007-07-27
Bromomethane (methyl bromide)		µg/L	50.0	49.8	100	70 - 130	2007-07-27
Chloroethane		µg/L	50.0	47.0	94	70 - 130	2007-07-27
Trichlorofluoromethane		µg/L	50.0	54.9	110	70 - 130	2007-07-27
Acetone	[19]	µg/L	50.0	71.5	143	70 - 130	2007-07-27
Iodomethane (methyl iodide)		µg/L	50.0	50.0	100	70 - 130	2007-07-27
Carbon Disulfide		µg/L	50.0	48.0	96	70 - 130	2007-07-27
Acrylonitrile		µg/L	50.0	51.3	103	70 - 130	2007-07-27
2-Butanone (MEK)	[20]	µg/L	50.0	67.2	134	70 - 130	2007-07-27
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	52.7	105	70 - 130	2007-07-27
2-Hexanone	[21]	µg/L	50.0	68.5	137	70 - 130	2007-07-27
trans 1,4-Dichloro-2-butene		µg/L	50.0	57.7	115	70 - 130	2007-07-27
1,1-Dichloroethene		µg/L	50.0	48.9	98	80 - 120	2007-07-27
Methylene chloride		µg/L	50.0	45.8	92	70 - 130	2007-07-27
MTBE		µg/L	50.0	51.0	102	70 - 130	2007-07-27
trans-1,2-Dichloroethene		µg/L	50.0	48.1	96	70 - 130	2007-07-27
1,1-Dichloroethane		µg/L	50.0	49.0	98	70 - 130	2007-07-27
cis-1,2-Dichloroethene		µg/L	50.0	48.2	96	70 - 130	2007-07-27
2,2-Dichloropropane		µg/L	50.0	55.8	112	70 - 130	2007-07-27
1,2-Dichloroethane (EDC)		µg/L	50.0	51.0	102	70 - 130	2007-07-27
Chloroform		µg/L	50.0	49.7	99	80 - 120	2007-07-27
1,1,1-Trichloroethane		µg/L	50.0	52.0	104	70 - 130	2007-07-27
1,1-Dichloropropene		µg/L	50.0	49.3	99	70 - 130	2007-07-27
Benzene		µg/L	50.0	46.9	94	70 - 130	2007-07-27
Carbon Tetrachloride		µg/L	50.0	52.6	105	70 - 130	2007-07-27
1,2-Dichloropropane		µg/L	50.0	47.3	95	80 - 120	2007-07-27
Trichloroethene (TCE)		µg/L	50.0	49.5	99	70 - 130	2007-07-27
Dibromomethane (methylene bromide)		µg/L	50.0	49.8	100	70 - 130	2007-07-27
Bromodichloromethane		µg/L	50.0	51.0	102	70 - 130	2007-07-27
2-Chloroethyl vinyl ether		µg/L	50.0	48.6	97	70 - 130	2007-07-27
cis-1,3-Dichloropropene		µg/L	50.0	52.0	104	70 - 130	2007-07-27
trans-1,3-Dichloropropene		µg/L	50.0	53.3	107	70 - 130	2007-07-27
Toluene		µg/L	50.0	48.5	97	80 - 120	2007-07-27
1,1,2-Trichloroethane		µg/L	50.0	48.4	97	70 - 130	2007-07-27
1,3-Dichloropropane		µg/L	50.0	48.2	96	70 - 130	2007-07-27
Dibromochloromethane		µg/L	50.0	52.2	104	70 - 130	2007-07-27
1,2-Dibromoethane (EDB)		µg/L	50.0	50.6	101	70 - 130	2007-07-27
Tetrachloroethene (PCE)		µg/L	50.0	48.2	96	70 - 130	2007-07-27
Chlorobenzene		µg/L	50.0	48.3	97	80 - 120	2007-07-27
1,1,1,2-Tetrachloroethane		µg/L	50.0	50.2	100	70 - 130	2007-07-27
Ethylbenzene		µg/L	50.0	47.9	96	80 - 120	2007-07-27
m,p-Xylene		µg/L	100	96.8	97	70 - 130	2007-07-27
Bromoform		µg/L	50.0	53.4	107	70 - 130	2007-07-27
Styrene		µg/L	50.0	50.7	101	70 - 130	2007-07-27

continued ...

[19] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 102 which is within acceptable range. This is acceptable by Method 8000.

[20] 2-Butanone outside of control limits on CCV(ICV). CCV(ICV) component average is 102 which is within acceptable range. This is acceptable by Method 8000.

[21] 2-Hexanone outside of control limits on CCV(ICV). CCV(ICV) component average is 102 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
o-Xylene		µg/L	50.0	49.9	100	70 - 130	2007-07-27
1,1,2,2-Tetrachloroethane		µg/L	50.0	49.1	98	70 - 130	2007-07-27
2-Chlorotoluene		µg/L	50.0	47.4	95	70 - 130	2007-07-27
1,2,3-Trichloropropane		µg/L	50.0	49.6	99	70 - 130	2007-07-27
Isopropylbenzene		µg/L	50.0	48.0	96	70 - 130	2007-07-27
Bromobenzene		µg/L	50.0	47.2	94	70 - 130	2007-07-27
n-Propylbenzene		µg/L	50.0	47.2	94	70 - 130	2007-07-27
1,3,5-Trimethylbenzene		µg/L	50.0	48.0	96	70 - 130	2007-07-27
tert-Butylbenzene		µg/L	50.0	48.1	96	70 - 130	2007-07-27
1,2,4-Trimethylbenzene		µg/L	50.0	47.8	96	70 - 130	2007-07-27
1,4-Dichlorobenzene (para)		µg/L	50.0	47.3	95	70 - 130	2007-07-27
sec-Butylbenzene		µg/L	50.0	48.0	96	70 - 130	2007-07-27
1,3-Dichlorobenzene (meta)		µg/L	50.0	48.0	96	70 - 130	2007-07-27
p-Isopropyltoluene		µg/L	50.0	49.1	98	70 - 130	2007-07-27
4-Chlorotoluene		µg/L	50.0	48.3	97	70 - 130	2007-07-27
1,2-Dichlorobenzene (ortho)		µg/L	50.0	48.8	98	70 - 130	2007-07-27
n-Butylbenzene		µg/L	50.0	49.6	99	70 - 130	2007-07-27
1,2-Dibromo-3-chloropropane		µg/L	50.0	51.1	102	70 - 130	2007-07-27
1,2,3-Trichlorobenzene		µg/L	50.0	50.0	100	70 - 130	2007-07-27
1,2,4-Trichlorobenzene		µg/L	50.0	52.6	105	70 - 130	2007-07-27
Naphthalene		µg/L	50.0	50.7	101	70 - 130	2007-07-27
Hexachlorobutadiene		µg/L	50.0	49.5	99	70 - 130	2007-07-27

Standard (CCV-2)

QC Batch: 39558 Date Analyzed: 2007-07-27 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	54.3	109	70 - 130	2007-07-27
Dichlorodifluoromethane		µg/L	50.0	62.4	125	70 - 130	2007-07-27
Chloromethane (methyl chloride)		µg/L	50.0	58.7	117	70 - 130	2007-07-27
Vinyl Chloride		µg/L	50.0	57.9	116	80 - 120	2007-07-27
Bromomethane (methyl bromide)		µg/L	50.0	62.5	125	70 - 130	2007-07-27
Chloroethane		µg/L	50.0	61.8	124	70 - 130	2007-07-27
Trichlorofluoromethane		µg/L	50.0	65.0	130	70 - 130	2007-07-27
Acetone		µg/L	50.0	50.5	101	70 - 130	2007-07-27
Iodomethane (methyl iodide)		µg/L	50.0	51.6	103	70 - 130	2007-07-27
Carbon Disulfide		µg/L	50.0	55.6	111	70 - 130	2007-07-27
Acrylonitrile		µg/L	50.0	60.3	121	70 - 130	2007-07-27
2-Butanone (MEK)		µg/L	50.0	54.8	110	70 - 130	2007-07-27
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	55.3	111	70 - 130	2007-07-27
2-Hexanone	[22]	µg/L	50.0	69.0	138	70 - 130	2007-07-27
trans 1,4-Dichloro-2-butene		µg/L	50.0	62.2	124	70 - 130	2007-07-27
1,1-Dichloroethene		µg/L	50.0	53.2	106	80 - 120	2007-07-27
Methylene chloride		µg/L	50.0	52.0	104	70 - 130	2007-07-27

continued ...

[22] 2-Hexanone outside of control limits on CCV(ICV). CCV(ICV) component average is 110 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		µg/L	50.0	58.2	116	70 - 130	2007-07-27
trans-1,2-Dichloroethene		µg/L	50.0	53.4	107	70 - 130	2007-07-27
1,1-Dichloroethane		µg/L	50.0	58.2	116	70 - 130	2007-07-27
cis-1,2-Dichloroethene		µg/L	50.0	52.7	105	70 - 130	2007-07-27
2,2-Dichloropropane		µg/L	50.0	44.2	88	70 - 130	2007-07-27
1,2-Dichloroethane (EDC)		µg/L	50.0	65.0	130	70 - 130	2007-07-27
Chloroform		µg/L	50.0	59.8	120	80 - 120	2007-07-27
1,1,1-Trichloroethane		µg/L	50.0	61.4	123	70 - 130	2007-07-27
1,1-Dichloropropene		µg/L	50.0	55.3	111	70 - 130	2007-07-27
Benzene		µg/L	50.0	51.5	103	70 - 130	2007-07-27
Carbon Tetrachloride		µg/L	50.0	58.4	117	70 - 130	2007-07-27
1,2-Dichloropropane		µg/L	50.0	54.1	108	80 - 120	2007-07-27
Trichloroethene (TCE)		µg/L	50.0	50.0	100	70 - 130	2007-07-27
Dibromomethane (methylene bromide)		µg/L	50.0	55.4	111	70 - 130	2007-07-27
Bromodichloromethane		µg/L	50.0	58.6	117	70 - 130	2007-07-27
2-Chloroethyl vinyl ether		µg/L	50.0	55.6	111	70 - 130	2007-07-27
cis-1,3-Dichloropropene		µg/L	50.0	53.7	107	70 - 130	2007-07-27
trans-1,3-Dichloropropene		µg/L	50.0	57.6	115	70 - 130	2007-07-27
Toluene		µg/L	50.0	52.9	106	80 - 120	2007-07-27
1,1,2-Trichloroethane		µg/L	50.0	52.5	105	70 - 130	2007-07-27
1,3-Dichloropropane		µg/L	50.0	54.7	109	70 - 130	2007-07-27
Dibromochloromethane		µg/L	50.0	54.8	110	70 - 130	2007-07-27
1,2-Dibromoethane (EDB)		µg/L	50.0	52.8	106	70 - 130	2007-07-27
Tetrachloroethene (PCE)		µg/L	50.0	49.1	98	70 - 130	2007-07-27
Chlorobenzene		µg/L	50.0	50.1	100	80 - 120	2007-07-27
1,1,1,2-Tetrachloroethane		µg/L	50.0	54.0	108	70 - 130	2007-07-27
Ethylbenzene		µg/L	50.0	52.4	105	80 - 120	2007-07-27
m,p-Xylene		µg/L	100	106	106	70 - 130	2007-07-27
Bromoform		µg/L	50.0	55.8	112	70 - 130	2007-07-27
Styrene		µg/L	50.0	54.1	108	70 - 130	2007-07-27
o-Xylene		µg/L	50.0	55.1	110	70 - 130	2007-07-27
1,1,2,2-Tetrachloroethane		µg/L	50.0	54.4	109	70 - 130	2007-07-27
2-Chlorotoluene		µg/L	50.0	51.4	103	70 - 130	2007-07-27
1,2,3-Trichloropropane		µg/L	50.0	52.8	106	70 - 130	2007-07-27
Isopropylbenzene		µg/L	50.0	49.6	99	70 - 130	2007-07-27
Bromobenzene		µg/L	50.0	52.3	105	70 - 130	2007-07-27
n-Propylbenzene		µg/L	50.0	50.6	101	70 - 130	2007-07-27
1,3,5-Trimethylbenzene		µg/L	50.0	50.6	101	70 - 130	2007-07-27
tert-Butylbenzene		µg/L	50.0	49.7	99	70 - 130	2007-07-27
1,2,4-Trimethylbenzene		µg/L	50.0	50.8	102	70 - 130	2007-07-27
1,4-Dichlorobenzene (para)		µg/L	50.0	48.8	98	70 - 130	2007-07-27
sec-Butylbenzene		µg/L	50.0	49.9	100	70 - 130	2007-07-27
1,3-Dichlorobenzene (meta)		µg/L	50.0	49.3	99	70 - 130	2007-07-27
p-Isopropyltoluene		µg/L	50.0	49.9	100	70 - 130	2007-07-27
4-Chlorotoluene		µg/L	50.0	52.2	104	70 - 130	2007-07-27
1,2-Dichlorobenzene (ortho)		µg/L	50.0	50.1	100	70 - 130	2007-07-27
n-Butylbenzene		µg/L	50.0	50.9	102	70 - 130	2007-07-27
1,2-Dibromo-3-chloropropane		µg/L	50.0	57.1	114	70 - 130	2007-07-27
1,2,3-Trichlorobenzene		µg/L	50.0	44.8	90	70 - 130	2007-07-27

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2,4-Trichlorobenzene		μg/L	50.0	48.8	98	70 - 130	2007-07-27
Naphthalene		μg/L	50.0	48.8	98	70 - 130	2007-07-27
Hexachlorobutadiene		μg/L	50.0	42.6	85	70 - 130	2007-07-27

Standard (CCV-1)

QC Batch: 39661 Date Analyzed: 2007-08-03 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60.0	55.3	92	80 - 120	2007-08-03
1,4-Dichlorobenzene (para)		mg/L	60.0	57.2	95	80 - 120	2007-08-03
2-Nitrophenol		mg/L	60.0	65.7	110	80 - 120	2007-08-03
2,4-Dichlorophenol		mg/L	60.0	66.1	110	80 - 120	2007-08-03
Hexachlorobutadiene		mg/L	60.0	64.2	107	80 - 120	2007-08-03
4-Chloro-3-methylphenol		mg/L	60.0	51.0	85	80 - 120	2007-08-03
2,4,6-Trichlorophenol		mg/L	60.0	67.8	113	80 - 120	2007-08-03
Acenaphthene		mg/L	60.0	53.8	90	80 - 120	2007-08-03
Diphenylamine		mg/L	60.0	56.0	93	80 - 120	2007-08-03
Pentachlorophenol		mg/L	60.0	66.1	110	80 - 120	2007-08-03
Fluoranthene		mg/L	60.0	64.5	108	80 - 120	2007-08-03
Di-n-octylphthalate		mg/L	60.0	50.2	84	80 - 120	2007-08-03
Benzo(a)pyrene		mg/L	60.0	60.0	100	80 - 120	2007-08-03

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		50.8	mg/L	1	60.0	85	80 - 120
Phenol-d5	[23]	47.5	mg/L	1	60.0	79	80 - 120
Nitrobenzene-d5		57.7	mg/L	1	60.0	96	80 - 120
2-Fluorobiphenyl		63.3	mg/L	1	60.0	106	80 - 120
2,4,6-Tribromophenol	[24]	97.5	mg/L	1	60.0	162	80 - 120
Terphenyl-d14		61.8	mg/L	1	60.0	103	80 - 120

[23] Phenol-d5 outside of control limits on CCV(ICV). CCV(ICV) component average is 101% which is within acceptable range. This is acceptable by Method 8000.

[24] 2,4,6-Tribromophenol outside of control limits on CCV(ICV). CCV(ICV) component average is 101% which is within acceptable range. This is acceptable by Method 8000.

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P.O. Box 363, Bldg 126, 3rd Floor, WSMR, NM 88002
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WLS

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.: 45

PROJECT NAME: POL Asta

SAMPLERS SIGNATURE:

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH DRO	VOCs	SVOCs	REMARKS
7-26-07	1005	0200-CF-001-12.0	Soil	131060	1	X	X	X	
7-26-07	1005	0200-CF-101-12.0	Soil	061	1	X	X	X	
7-26-07	1015	0200-CF-002-11.0	Soil	062	1	X	X	X	
7-26-07	1035	0200-CF-003-8.0	Soil	063	1	X	X	X	
7-26-07	1040	0200-CF-004-11.0	Soil	064	1	X	X	X	
7-26-07	1100	0200-CF-005-10.0	Soil	065	1	X	X	X	
7-26-07	1125	0199-CF-001-10.0	SOIL	066	1	X	X	X	
7-26-07	1135	0199-CF-002-10.0	SOIL	067	1	X	X	X	
7-26-07	1140	0199-CF-003-14.0	SOIL	068	1	X	X	X	
7-26-07	1140	0199-CF-103-14.0	SOIL	069	1	X	X	X	
7-26-07	1200	0199-CF-004-10.0	SOIL	070	1	X	X	X	
7-26-07	1210	0199-CF-005-11.0	SOIL	071	1	X	X	X	
7-26-07	1300	0199-EB-007-0707	Water	072	7	X	X	X	
7-26-07	1300	0199-TB-903-0707	Water	073	2		X		
—	—	Temperature Blank	Water		1				Temperature Blank

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS	(PRINTED NAME) Bradley T. Davis	(PRINTED NAME)	(PRINTED NAME) Sabrina Multa
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS: 1	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
	GOOD CONDITION/CHILLED: 40	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 072707 1930
VIA: FedEX	CONFORMS TO RECORD: 88	SPECIAL INSTRUCTIONS/COMMENTS:	Rush on TPH DRO - 1 day verbal Brad Davis (505) 993-6890	

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Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 23, 2007

Work Order: 7072717

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131060	0200-CF-001-12.0	soil	2007-07-26	10:05	2007-07-27
131061	0200-CF-101-12.0	soil	2007-07-26	10:05	2007-07-27
131062	0200-CF-002-11.0	soil	2007-07-26	10:15	2007-07-27
131063	0200-CF-003-8.0	soil	2007-07-26	10:35	2007-07-27
131064	0200-CF-004-11.0	soil	2007-07-26	10:40	2007-07-27
131065	0200-CF-005-10.0	soil	2007-07-26	11:00	2007-07-27
131066	0199-CF-001-10.0	soil	2007-07-26	11:25	2007-07-27
131067	0199-CF-002-10.0	soil	2007-07-26	11:35	2007-07-27
131068	0199-CF-003-14.0	soil	2007-07-26	11:40	2007-07-27
131069	0199-CF-103-14.0	soil	2007-07-26	11:40	2007-07-27
131070	0199-CF-004-10.0	soil	2007-07-26	12:00	2007-07-27
131071	0199-CF-005-11.0	soil	2007-07-26	12:10	2007-07-27

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 71 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-27 and assigned to work order 7072717. Samples for work order 7072717 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C
TPH DRO	Mod. 8015B
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7072717 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131060 - 0200-CF-001-12.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39540	Date Analyzed:	2007-08-01	Analyzed By:	DS
Prep Batch:	34229	Sample Preparation:	2007-07-30	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250

continued ...

sample 131060 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.480	mg/Kg	1	2.67	18	10 - 98.8
Phenol-d5		0.610	mg/Kg	1	2.67	23	10 - 105
Nitrobenzene-d5		0.610	mg/Kg	1	2.67	23	10 - 114
2-Fluorobiphenyl		0.770	mg/Kg	1	2.67	29	10 - 122
2,4,6-Tribromophenol		1.20	mg/Kg	1	2.67	45	10 - 117
Terphenyl-d14		1.15	mg/Kg	1	2.67	43	10 - 116

Sample: 131060 - 0200-CF-001-12.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39479	Date Analyzed:	2007-07-28	Analyzed By:	TG
Prep Batch:	34177	Sample Preparation:	2007-07-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[1]	249	mg/Kg	1	150	166	62.5 - 164

Sample: 131060 - 0200-CF-001-12.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39618	Date Analyzed:	2007-08-01	Analyzed By:	JG
Prep Batch:	34292	Sample Preparation:	2007-08-01	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0
Carbon Disulfide		<10.0	μg/Kg	1	10.0
Acrylonitrile		<10.0	μg/Kg	1	10.0
2-Butanone (MEK)		<50.0	μg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	μg/Kg	1	50.0
2-Hexanone		<50.0	μg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	μg/Kg	1	100
1,1-Dichloroethene		<10.0	μg/Kg	1	10.0
Methylene chloride		<50.0	μg/Kg	1	50.0
MTBE		<10.0	μg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
1,1-Dichloroethane		<10.0	μg/Kg	1	10.0

[1] High surrogate recovery. Sample non-detect, result bias high.

continued ...

sample 131060 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
cis-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
2,2-Dichloropropane		<10.0	μg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	1	10.0
Chloroform		<10.0	μg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	μg/Kg	1	10.0
1,1-Dichloropropene		<10.0	μg/Kg	1	10.0
Benzene		<10.0	μg/Kg	1	10.0
Carbon Tetrachloride		<10.0	μg/Kg	1	10.0
1,2-Dichloropropane		<10.0	μg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	μg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	μg/Kg	1	10.0
Bromodichloromethane		<10.0	μg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	μg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		399	μg/Kg	1	500	80	79.7 - 120
Toluene-d8		470	μg/Kg	1	500	94	86.8 - 107
4-Bromofluorobenzene (4-BFB)		477	μg/Kg	1	500	95	82.5 - 116

Sample: 131061 - 0200-CF-101-12.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39540	Date Analyzed:	2007-08-01	Analyzed By:	DS
Prep Batch:	34229	Sample Preparation:	2007-07-30	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250

continued ...

sample 131061 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250

continued . . .

sample 131061 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.620	mg/Kg	1	2.67	23	10 - 98.8
Phenol-d5		0.770	mg/Kg	1	2.67	29	10 - 105
Nitrobenzene-d5		0.770	mg/Kg	1	2.67	29	10 - 114
2-Fluorobiphenyl		1.00	mg/Kg	1	2.67	37	10 - 122
2,4,6-Tribromophenol		1.18	mg/Kg	1	2.67	44	10 - 117
Terphenyl-d14		1.04	mg/Kg	1	2.67	39	10 - 116

Sample: 131061 - 0200-CF-101-12.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39479	Date Analyzed:	2007-07-28	Analyzed By:	TG
Prep Batch:	34177	Sample Preparation:	2007-07-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[2]	258	mg/Kg	1	150	172	62.5 - 164

Sample: 131061 - 0200-CF-101-12.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39618	Date Analyzed:	2007-08-01	Analyzed By:	JG
Prep Batch:	34292	Sample Preparation:	2007-08-01	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0

[2] High surrogate recovery. Sample non-detect, result bias high.

continued . . .

sample 131061 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0

continued . . .

sample 131061 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		402	μg/Kg	1	500	80	79.7 - 120
Toluene-d8		472	μg/Kg	1	500	94	86.8 - 107
4-Bromofluorobenzene (4-BFB)		483	μg/Kg	1	500	97	82.5 - 116

Sample: 131062 - 0200-CF-002-11.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39540	Date Analyzed:	2007-08-01	Analyzed By:	DS
Prep Batch:	34229	Sample Preparation:	2007-07-30	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250

continued ...

sample 131062 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250

continued . . .

sample 131062 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.400	mg/Kg	1	2.67	15	10 - 98.8
Phenol-d5		0.530	mg/Kg	1	2.67	20	10 - 105
Nitrobenzene-d5		0.510	mg/Kg	1	2.67	19	10 - 114
2-Fluorobiphenyl		0.670	mg/Kg	1	2.67	25	10 - 122
2,4,6-Tribromophenol		1.05	mg/Kg	1	2.67	39	10 - 117
Terphenyl-d14		1.00	mg/Kg	1	2.67	37	10 - 116

Sample: 131062 - 0200-CF-002-11.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39479	Date Analyzed:	2007-07-28	Analyzed By:	TG
Prep Batch:	34177	Sample Preparation:	2007-07-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[3]	267	mg/Kg	1	150	178	62.5 - 164

[3] High surrogate recovery. Sample non-detect, result bias high.

Sample: 131062 - 0200-CF-002-11.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39618	Date Analyzed:	2007-08-01	Analyzed By:	JG
Prep Batch:	34292	Sample Preparation:	2007-08-01	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0

continued . . .

sample 131062 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		404	µg/Kg	1	500	81	79.7 - 120
Toluene-d8		477	µg/Kg	1	500	95	86.8 - 107
4-Bromofluorobenzene (4-BFB)		482	µg/Kg	1	500	96	82.5 - 116

Sample: 131063 - 0200-CF-003-8.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39540	Date Analyzed:	2007-08-01	Analyzed By:	DS
Prep Batch:	34229	Sample Preparation:	2007-07-30	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250

continued . . .

sample 131063 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250

continued . . .

sample 131063 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.09	mg/Kg	1	2.67	41	10 - 98.8
Phenol-d5		1.42	mg/Kg	1	2.67	53	10 - 105
Nitrobenzene-d5		1.36	mg/Kg	1	2.67	51	10 - 114
2-Fluorobiphenyl		1.82	mg/Kg	1	2.67	68	10 - 122
2,4,6-Tribromophenol		2.22	mg/Kg	1	2.67	83	10 - 117
Terphenyl-d14		2.23	mg/Kg	1	2.67	84	10 - 116

Sample: 131063 - 0200-CF-003-8.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39479	Date Analyzed:	2007-07-28	Analyzed By:	TG
Prep Batch:	34177	Sample Preparation:	2007-07-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[4]	256	mg/Kg	1	150	171	62.5 - 164

Sample: 131063 - 0200-CF-003-8.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39618	Date Analyzed:	2007-08-01	Analyzed By:	JG
Prep Batch:	34292	Sample Preparation:	2007-08-01	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0

continued ...

[4] High surrogate recovery. Sample non-detect, result bias high.

sample 131063 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane	[5]	395	μg/Kg	1	500	79	79.7 - 120
Toluene-d8		471	μg/Kg	1	500	94	86.8 - 107
4-Bromofluorobenzene (4-BFB)		478	μg/Kg	1	500	96	82.5 - 116

Sample: 131064 - 0200-CF-004-11.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39540	Date Analyzed:	2007-08-01	Analyzed By:	DS
Prep Batch:	34229	Sample Preparation:	2007-07-30	Prepared By:	DS

[5] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250

continued ...

sample 131064 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.260	mg/Kg	1	2.67	10	10 - 98.8
Phenol-d5		0.320	mg/Kg	1	2.67	12	10 - 105
Nitrobenzene-d5		0.320	mg/Kg	1	2.67	12	10 - 114
2-Fluorobiphenyl		0.400	mg/Kg	1	2.67	15	10 - 122

continued ...

sample continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2,4,6-Tribromophenol		1.05	mg/Kg	1	2.67	39	10 - 117
Terphenyl-d14		0.940	mg/Kg	1	2.67	35	10 - 116

Sample: 131064 - 0200-CF-004-11.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39479	Date Analyzed:	2007-07-28	Analyzed By:	TG
Prep Batch:	34177	Sample Preparation:	2007-07-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[6]	256	mg/Kg	1	150	171	62.5 - 164

Sample: 131064 - 0200-CF-004-11.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39618	Date Analyzed:	2007-08-01	Analyzed By:	JG
Prep Batch:	34292	Sample Preparation:	2007-08-01	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0
Carbon Disulfide		<10.0	μg/Kg	1	10.0
Acrylonitrile		<10.0	μg/Kg	1	10.0
2-Butanone (MEK)		<50.0	μg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	μg/Kg	1	50.0
2-Hexanone		<50.0	μg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	μg/Kg	1	100
1,1-Dichloroethene		<10.0	μg/Kg	1	10.0
Methylene chloride		<50.0	μg/Kg	1	50.0
MTBE		<10.0	μg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
1,1-Dichloroethane		<10.0	μg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
2,2-Dichloropropane		<10.0	μg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	1	10.0

[6] High surrogate recovery. Sample non-detect, result bias high.

continued ...

sample 131064 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Chloroform		<10.0	μg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	μg/Kg	1	10.0
1,1-Dichloropropene		<10.0	μg/Kg	1	10.0
Benzene		<10.0	μg/Kg	1	10.0
Carbon Tetrachloride		<10.0	μg/Kg	1	10.0
1,2-Dichloropropane		<10.0	μg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	μg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	μg/Kg	1	10.0
Bromodichloromethane		<10.0	μg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	μg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		398	μg/Kg	1	500	80	79.7 - 120
Toluene-d8		470	μg/Kg	1	500	94	86.8 - 107
4-Bromofluorobenzene (4-BFB)		473	μg/Kg	1	500	95	82.5 - 116

Sample: 131065 - 0200-CF-005-10.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39540	Date Analyzed:	2007-08-01	Analyzed By:	DS
Prep Batch:	34229	Sample Preparation:	2007-07-30	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250

continued ...

sample 131065 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250

continued . . .

sample 131065 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.340	mg/Kg	1	2.67	13	10 - 98.8
Phenol-d5		0.440	mg/Kg	1	2.67	16	10 - 105
Nitrobenzene-d5		0.440	mg/Kg	1	2.67	16	10 - 114
2-Fluorobiphenyl		0.550	mg/Kg	1	2.67	20	10 - 122
2,4,6-Tribromophenol		0.730	mg/Kg	1	2.67	27	10 - 117
Terphenyl-d14		0.790	mg/Kg	1	2.67	30	10 - 116

Sample: 131065 - 0200-CF-005-10.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39479	Date Analyzed:	2007-07-28	Analyzed By:	TG
Prep Batch:	34177	Sample Preparation:	2007-07-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[7]	258	mg/Kg	1	150	172	62.5 - 164

Sample: 131065 - 0200-CF-005-10.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39618	Date Analyzed:	2007-08-01	Analyzed By:	JG
Prep Batch:	34292	Sample Preparation:	2007-08-01	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0

[7] High surrogate recovery. Sample non-detect, result bias high.

continued . . .

sample 131065 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0

continued . . .

sample 131065 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		401	μg/Kg	1	500	80	79.7 - 120
Toluene-d8		467	μg/Kg	1	500	93	86.8 - 107
4-Bromofluorobenzene (4-BFB)		479	μg/Kg	1	500	96	82.5 - 116

Sample: 131066 - 0199-CF-001-10.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39540	Date Analyzed:	2007-08-01	Analyzed By:	DS
Prep Batch:	34229	Sample Preparation:	2007-07-30	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250

continued ...

sample 131066 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250

continued ...

sample 131066 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.260	mg/Kg	1	2.67	10	10 - 98.8
Phenol-d5		0.340	mg/Kg	1	2.67	13	10 - 105
Nitrobenzene-d5		0.340	mg/Kg	1	2.67	13	10 - 114
2-Fluorobiphenyl		0.440	mg/Kg	1	2.67	16	10 - 122
2,4,6-Tribromophenol		0.830	mg/Kg	1	2.67	31	10 - 117
Terphenyl-d14		0.780	mg/Kg	1	2.67	29	10 - 116

Sample: 131066 - 0199-CF-001-10.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39479	Date Analyzed:	2007-07-28	Analyzed By:	TG
Prep Batch:	34177	Sample Preparation:	2007-07-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		227	mg/Kg	1	150	151	62.5 - 164

Sample: 131066 - 0199-CF-001-10.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39618	Date Analyzed:	2007-08-01	Analyzed By:	JG
Prep Batch:	34292	Sample Preparation:	2007-08-01	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0

continued . . .

sample 131066 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane	[8]	396	μg/Kg	1	500	79	79.7 - 120
Toluene-d8		470	μg/Kg	1	500	94	86.8 - 107
4-Bromofluorobenzene (4-BFB)		474	μg/Kg	1	500	95	82.5 - 116

Sample: 131067 - 0199-CF-002-10.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39540	Date Analyzed:	2007-08-01	Analyzed By:	DS
Prep Batch:	34229	Sample Preparation:	2007-07-30	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250

continued . . .

[8] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

sample 131067 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250

continued ...

sample 131067 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.410	mg/Kg	1	2.67	15	10 - 98.8
Phenol-d5		0.500	mg/Kg	1	2.67	19	10 - 105
Nitrobenzene-d5		0.500	mg/Kg	1	2.67	19	10 - 114
2-Fluorobiphenyl		0.660	mg/Kg	1	2.67	25	10 - 122
2,4,6-Tribromophenol		1.12	mg/Kg	1	2.67	42	10 - 117
Terphenyl-d14		0.890	mg/Kg	1	2.67	33	10 - 116

Sample: 131067 - 0199-CF-002-10.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39479	Date Analyzed:	2007-07-28	Analyzed By:	TG
Prep Batch:	34177	Sample Preparation:	2007-07-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		224	mg/Kg	1	150	149	62.5 - 164

Sample: 131067 - 0199-CF-002-10.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39618	Date Analyzed:	2007-08-01	Analyzed By:	JG
Prep Batch:	34292	Sample Preparation:	2007-08-01	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0

continued . . .

sample 131067 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane	[9]	394	μg/Kg	1	500	79	79.7 - 120
Toluene-d8		465	μg/Kg	1	500	93	86.8 - 107
4-Bromofluorobenzene (4-BFB)		477	μg/Kg	1	500	95	82.5 - 116

Sample: 131068 - 0199-CF-003-14.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39540	Date Analyzed:	2007-08-01	Analyzed By:	DS
Prep Batch:	34229	Sample Preparation:	2007-07-30	Prepared By:	DS

[9] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250

continued ...

sample 131068 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.840	mg/Kg	1	2.67	31	10 - 98.8
Phenol-d5		0.960	mg/Kg	1	2.67	36	10 - 105
Nitrobenzene-d5		1.03	mg/Kg	1	2.67	38	10 - 114
2-Fluorobiphenyl		1.34	mg/Kg	1	2.67	50	10 - 122

continued . . .

sample continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2,4,6-Tribromophenol		2.54	mg/Kg	1	2.67	95	10 - 117
Terphenyl-d14		2.29	mg/Kg	1	2.67	86	10 - 116

Sample: 131068 - 0199-CF-003-14.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39479	Date Analyzed:	2007-07-28	Analyzed By:	TG
Prep Batch:	34177	Sample Preparation:	2007-07-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		240	mg/Kg	1	150	160	62.5 - 164

Sample: 131068 - 0199-CF-003-14.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39618	Date Analyzed:	2007-08-01	Analyzed By:	JG
Prep Batch:	34292	Sample Preparation:	2007-08-01	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0
Carbon Disulfide		<10.0	μg/Kg	1	10.0
Acrylonitrile		<10.0	μg/Kg	1	10.0
2-Butanone (MEK)		<50.0	μg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	μg/Kg	1	50.0
2-Hexanone		<50.0	μg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	μg/Kg	1	100
1,1-Dichloroethene		<10.0	μg/Kg	1	10.0
Methylene chloride		<50.0	μg/Kg	1	50.0
MTBE		<10.0	μg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
1,1-Dichloroethane		<10.0	μg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
2,2-Dichloropropane		<10.0	μg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	1	10.0

continued ...

sample 131068 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Chloroform		<10.0	μg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	μg/Kg	1	10.0
1,1-Dichloropropene		<10.0	μg/Kg	1	10.0
Benzene		<10.0	μg/Kg	1	10.0
Carbon Tetrachloride		<10.0	μg/Kg	1	10.0
1,2-Dichloropropane		<10.0	μg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	μg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	μg/Kg	1	10.0
Bromodichloromethane		<10.0	μg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	μg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		400	μg/Kg	1	500	80	79.7 - 120
Toluene-d8		471	μg/Kg	1	500	94	86.8 - 107
4-Bromofluorobenzene (4-BFB)		479	μg/Kg	1	500	96	82.5 - 116

Sample: 131069 - 0199-CF-103-14.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39540	Date Analyzed:	2007-08-01	Analyzed By:	DS
Prep Batch:	34229	Sample Preparation:	2007-07-30	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250

continued ...

sample 131069 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250

continued ...

sample 131069 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.880	mg/Kg	1	2.67	33	10 - 98.8
Phenol-d5		1.14	mg/Kg	1	2.67	43	10 - 105
Nitrobenzene-d5		1.06	mg/Kg	1	2.67	40	10 - 114
2-Fluorobiphenyl		1.50	mg/Kg	1	2.67	56	10 - 122
2,4,6-Tribromophenol		2.54	mg/Kg	1	2.67	95	10 - 117
Terphenyl-d14		2.22	mg/Kg	1	2.67	83	10 - 116

Sample: 131069 - 0199-CF-103-14.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39479	Date Analyzed:	2007-07-28	Analyzed By:	TG
Prep Batch:	34177	Sample Preparation:	2007-07-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		238	mg/Kg	1	150	159	62.5 - 164

Sample: 131069 - 0199-CF-103-14.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39618	Date Analyzed:	2007-08-01	Analyzed By:	JG
Prep Batch:	34292	Sample Preparation:	2007-08-01	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0

continued . . .

sample 131069 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0

continued . . .

sample 131069 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane	[10]	396	μg/Kg	1	500	79	79.7 - 120
Toluene-d8		467	μg/Kg	1	500	93	86.8 - 107
4-Bromofluorobenzene (4-BFB)		476	μg/Kg	1	500	95	82.5 - 116

Sample: 131070 - 0199-CF-004-10.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39540	Date Analyzed:	2007-08-01	Analyzed By:	DS
Prep Batch:	34229	Sample Preparation:	2007-07-30	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250

continued...

[10] 8260 Only - One surrogate is out of control limits. The other two surrogates show the sample preperation was performed properly.

sample 131070 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250

continued ...

sample 131070 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.21	mg/Kg	1	2.67	45	10 - 98.8
Phenol-d5		1.51	mg/Kg	1	2.67	56	10 - 105
Nitrobenzene-d5		1.48	mg/Kg	1	2.67	55	10 - 114
2-Fluorobiphenyl		1.98	mg/Kg	1	2.67	74	10 - 122
2,4,6-Tribromophenol		3.01	mg/Kg	1	2.67	113	10 - 117
Terphenyl-d14		2.76	mg/Kg	1	2.67	103	10 - 116

Sample: 131070 - 0199-CF-004-10.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39479	Date Analyzed:	2007-07-28	Analyzed By:	TG
Prep Batch:	34177	Sample Preparation:	2007-07-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[11]	256	mg/Kg	1	150	171	62.5 - 164

[11] High surrogate recovery. Sample non-detect, result bias high.

Sample: 131070 - 0199-CF-004-10.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39618	Date Analyzed:	2007-08-01	Analyzed By:	JG
Prep Batch:	34292	Sample Preparation:	2007-08-01	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0

continued . . .

sample 131070 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		400	μg/Kg	1	500	80	79.7 - 120
Toluene-d8		468	μg/Kg	1	500	94	86.8 - 107
4-Bromofluorobenzene (4-BFB)		474	μg/Kg	1	500	95	82.5 - 116

Sample: 131071 - 0199-CF-005-11.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39540	Date Analyzed:	2007-08-01	Analyzed By:	DS
Prep Batch:	34229	Sample Preparation:	2007-07-30	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250

continued . . .

sample 131071 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250

continued . . .

sample 131071 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.12	mg/Kg	1	2.67	42	10 - 98.8
Phenol-d5		1.41	mg/Kg	1	2.67	53	10 - 105
Nitrobenzene-d5		1.41	mg/Kg	1	2.67	53	10 - 114
2-Fluorobiphenyl		1.90	mg/Kg	1	2.67	71	10 - 122
2,4,6-Tribromophenol		2.80	mg/Kg	1	2.67	105	10 - 117
Terphenyl-d14		2.36	mg/Kg	1	2.67	88	10 - 116

Sample: 131071 - 0199-CF-005-11.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39479	Date Analyzed:	2007-07-28	Analyzed By:	TG
Prep Batch:	34177	Sample Preparation:	2007-07-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[12]	259	mg/Kg	1	150	173	62.5 - 164

Sample: 131071 - 0199-CF-005-11.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39618	Date Analyzed:	2007-08-01	Analyzed By:	JG
Prep Batch:	34292	Sample Preparation:	2007-08-01	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0

continued ...

[12] High surrogate recovery. Sample non-detect, result bias high.

sample 131071 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		400	μg/Kg	1	500	80	79.7 - 120
Toluene-d8		466	μg/Kg	1	500	93	86.8 - 107
4-Bromofluorobenzene (4-BFB)		475	μg/Kg	1	500	95	82.5 - 116

Method Blank (1) QC Batch: 39479

QC Batch:	39479	Date Analyzed:	2007-07-28	Analyzed By:	TG
Prep Batch:	34177	QC Preparation:	2007-07-27	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		243	mg/Kg	1	150	162	62.5 - 164

Method Blank (1) QC Batch: 39540

QC Batch:	39540	Date Analyzed:	2007-08-01	Analyzed By:	DS
Prep Batch:	34229	QC Preparation:	2007-07-30	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.0665	mg/Kg	0.25
N-Nitrosodimethylamine		<0.0894	mg/Kg	0.25
2-Picoline		<0.0472	mg/Kg	0.25
Methyl methanesulfonate		<0.0754	mg/Kg	0.25
Ethyl methanesulfonate		<0.0943	mg/Kg	0.25
Phenol		<0.0778	mg/Kg	0.25
Aniline		<0.0720	mg/Kg	0.25
bis(2-chloroethyl)ether		<0.0700	mg/Kg	0.25
2-Chlorophenol		<0.0676	mg/Kg	0.25
1,3-Dichlorobenzene (meta)		<0.0631	mg/Kg	0.25
1,4-Dichlorobenzene (para)		<0.0618	mg/Kg	0.25
Benzyl alcohol		<0.107	mg/Kg	0.25
1,2-Dichlorobenzene (ortho)		<0.0658	mg/Kg	0.25
2-Methylphenol		<0.0849	mg/Kg	0.25
bis(2-chloroisopropyl)ether		<0.0812	mg/Kg	0.25
4-Methylphenol / 3-Methylphenol		<0.0918	mg/Kg	0.25
Acetophenone		<0.0709	mg/Kg	0.25
N-Nitrosodi-n-propylamine		<0.106	mg/Kg	0.25
Hexachloroethane		<0.0662	mg/Kg	0.25
Nitrobenzene		<0.0641	mg/Kg	0.25
N-Nitrosopiperidine		<0.0870	mg/Kg	0.25
Isophorone		<0.0794	mg/Kg	0.25
2-Nitrophenol		<0.0653	mg/Kg	0.25
2,4-Dimethylphenol		<0.0745	mg/Kg	0.25
bis(2-chloroethoxy)methane		<0.0774	mg/Kg	0.25
Benzoic acid		<0.0273	mg/Kg	0.25
2,4-Dichlorophenol		<0.0780	mg/Kg	0.25
1,2,4-Trichlorobenzene		<0.0583	mg/Kg	0.25
a,a-Dimethylphenethylamine		<0.0471	mg/Kg	0.25
Naphthalene		<0.0597	mg/Kg	0.25
4-Chloroaniline		<0.0789	mg/Kg	0.25
2,6-Dichlorophenol		<0.0728	mg/Kg	0.25
Hexachlorobutadiene		<0.0528	mg/Kg	0.25
N-Nitroso-di-n-butylamine		<0.0818	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.0610	mg/Kg	0.25
1-Methylnaphthalene		<0.0713	mg/Kg	0.25
2-Methylnaphthalene		<0.0720	mg/Kg	0.25

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,2,4,5-Tetrachlorobenzene		<0.0682	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.0491	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.0648	mg/Kg	0.25
2,4,5-Trichlorophenol		<0.0493	mg/Kg	0.25
2-Chloronaphthalene		<0.0690	mg/Kg	0.25
1-Chloronaphthalene		<0.0621	mg/Kg	0.25
2-Nitroaniline		<0.0500	mg/Kg	0.25
Dimethylphthalate		<0.0505	mg/Kg	0.25
Acenaphthylene		<0.0659	mg/Kg	0.25
2,6-Dinitrotoluene		<0.0488	mg/Kg	0.25
3-Nitroaniline		<0.0492	mg/Kg	0.25
Acenaphthene		<0.0611	mg/Kg	0.25
2,4-Dinitrophenol		<0.0245	mg/Kg	0.25
Dibenzofuran		<0.0639	mg/Kg	0.25
Pentachlorobenzene		<0.0562	mg/Kg	0.25
4-Nitrophenol		<0.0416	mg/Kg	0.25
1-Naphthylamine		<0.0487	mg/Kg	0.25
2,4-Dinitrotoluene		<0.0502	mg/Kg	0.25
2-Naphthylamine		<0.0428	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.0446	mg/Kg	0.25
Fluorene		<0.0520	mg/Kg	0.25
Diethylphthalate		<0.0484	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.0602	mg/Kg	0.25
4-Nitroaniline		<0.0278	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.0375	mg/Kg	0.25
Diphenylamine		<0.0628	mg/Kg	0.25
Diphenylhydrazine		<0.0519	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.0672	mg/Kg	0.25
Phenacetin		<0.0649	mg/Kg	0.25
Hexachlorobenzene		<0.0596	mg/Kg	0.25
4-Aminobiphenyl		<0.0631	mg/Kg	0.25
Pentachlorophenol		<0.0426	mg/Kg	0.25
Pentachloronitrobenzene		<0.0607	mg/Kg	0.25
Pronamide		<0.0702	mg/Kg	0.25
Phenanthrene		<0.0614	mg/Kg	0.25
Anthracene		<0.0648	mg/Kg	0.25
Di-n-butylphthalate		<0.0614	mg/Kg	0.25
Fluoranthene		<0.0636	mg/Kg	0.25
Benzidine		<0.0631	mg/Kg	0.25
Pyrene		<0.0583	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.0544	mg/Kg	0.25
Butylbenzylphthalate		<0.0531	mg/Kg	0.25
Benzo(a)anthracene		<0.0603	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.0570	mg/Kg	0.25
Chrysene		<0.0643	mg/Kg	0.25
bis(2-ethylhexyl)phthalate		<0.0622	mg/Kg	0.25
Di-n-octylphthalate		<0.0514	mg/Kg	0.25
Benzo(b)fluoranthene		<0.0585	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.0582	mg/Kg	0.25
Benzo(k)fluoranthene		<0.0536	mg/Kg	0.25

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Benzo(a)pyrene		<0.0564	mg/Kg	0.25
3-Methylcholanthrene		<0.0571	mg/Kg	0.25
Dibenzo(a,j)acridine		<0.0618	mg/Kg	0.25
Indeno(1,2,3-cd)pyrene		<0.0576	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.0543	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.0631	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.760	mg/Kg	1	2.67	28	10 - 98.8
Phenol-d5		0.980	mg/Kg	1	2.67	37	10 - 105
Nitrobenzene-d5		0.960	mg/Kg	1	2.67	36	10 - 114
2-Fluorobiphenyl		1.25	mg/Kg	1	2.67	47	10 - 122
2,4,6-Tribromophenol		1.18	mg/Kg	1	2.67	44	10 - 117
Terphenyl-d14		1.34	mg/Kg	1	2.67	50	10 - 116

Method Blank (1) QC Batch: 39618

QC Batch:	39618	Date Analyzed:	2007-08-01	Analyzed By:	JG
Prep Batch:	34292	QC Preparation:	2007-08-01	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<2.06	µg/Kg	10
Dichlorodifluoromethane		<4.16	µg/Kg	10
Chloromethane (methyl chloride)		<2.49	µg/Kg	10
Vinyl Chloride		<2.80	µg/Kg	10
Bromomethane (methyl bromide)		<2.99	µg/Kg	50
Chloroethane		<3.26	µg/Kg	10
Trichlorofluoromethane		<2.49	µg/Kg	10
Acetone		<51.4	µg/Kg	100
Iodomethane (methyl iodide)		<2.41	µg/Kg	50
Carbon Disulfide		<2.12	µg/Kg	10
Acrylonitrile		<2.12	µg/Kg	10
2-Butanone (MEK)		<13.9	µg/Kg	50
4-Methyl-2-pentanone (MIBK)		<3.95	µg/Kg	50
2-Hexanone		<2.13	µg/Kg	50
trans 1,4-Dichloro-2-butene		<2.92	µg/Kg	100
1,1-Dichloroethene		<1.89	µg/Kg	10
Methylene chloride		20.1	µg/Kg	50
MTBE		<1.71	µg/Kg	10
trans-1,2-Dichloroethene		<2.67	µg/Kg	10
1,1-Dichloroethane		<1.76	µg/Kg	10
cis-1,2-Dichloroethene		<2.27	µg/Kg	10
2,2-Dichloropropane		<2.90	µg/Kg	10
1,2-Dichloroethane (EDC)		<1.90	µg/Kg	10
Chloroform		<2.21	µg/Kg	10
1,1,1-Trichloroethane		<2.06	µg/Kg	10
1,1-Dichloropropene		<2.44	µg/Kg	10

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Benzene		<1.51	µg/Kg	10
Carbon Tetrachloride		<2.26	µg/Kg	10
1,2-Dichloropropane		<1.51	µg/Kg	10
Trichloroethene (TCE)		<1.93	µg/Kg	10
Dibromomethane (methylene bromide)		<1.78	µg/Kg	10
Bromodichloromethane		<1.81	µg/Kg	10
2-Chloroethyl vinyl ether		<1.51	µg/Kg	50
cis-1,3-Dichloropropene		<2.32	µg/Kg	10
trans-1,3-Dichloropropene		<2.00	µg/Kg	10
Toluene		<2.02	µg/Kg	10
1,1,2-Trichloroethane		<1.41	µg/Kg	10
1,3-Dichloropropane		<2.28	µg/Kg	10
Dibromochloromethane		<1.65	µg/Kg	10
1,2-Dibromoethane (EDB)		<1.53	µg/Kg	10
Tetrachloroethene (PCE)		<1.27	µg/Kg	10
Chlorobenzene		<2.02	µg/Kg	10
1,1,1,2-Tetrachloroethane		<1.62	µg/Kg	10
Ethylbenzene		<1.96	µg/Kg	10
m,p-Xylene		<3.03	µg/Kg	10
Bromoform		<1.94	µg/Kg	10
Styrene		<1.99	µg/Kg	10
o-Xylene		<2.12	µg/Kg	10
1,1,2,2-Tetrachloroethane		<2.19	µg/Kg	10
2-Chlorotoluene		<3.12	µg/Kg	10
1,2,3-Trichloropropane		<2.84	µg/Kg	10
Isopropylbenzene		<2.52	µg/Kg	10
Bromobenzene		<3.08	µg/Kg	10
n-Propylbenzene		<2.90	µg/Kg	10
1,3,5-Trimethylbenzene		<2.70	µg/Kg	10
tert-Butylbenzene		<3.32	µg/Kg	10
1,2,4-Trimethylbenzene		<3.19	µg/Kg	10
1,4-Dichlorobenzene (para)		<2.46	µg/Kg	10
sec-Butylbenzene		<2.75	µg/Kg	10
1,3-Dichlorobenzene (meta)		<2.44	µg/Kg	10
p-Isopropyltoluene		<2.73	µg/Kg	10
4-Chlorotoluene		<2.72	µg/Kg	10
1,2-Dichlorobenzene (ortho)		<2.22	µg/Kg	10
n-Butylbenzene		3.31	µg/Kg	10
1,2-Dibromo-3-chloropropane		<7.25	µg/Kg	50
1,2,3-Trichlorobenzene		<4.91	µg/Kg	50
1,2,4-Trichlorobenzene		<3.95	µg/Kg	50
Naphthalene		12.4	µg/Kg	50
Hexachlorobutadiene		<2.86	µg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		407	µg/Kg	1	500	81	79.7 - 120
Toluene-d8		466	µg/Kg	1	500	93	86.8 - 107
4-Bromofluorobenzene (4-BFB)		474	µg/Kg	1	500	95	82.5 - 116

Laboratory Control Spike (LCS-1)

QC Batch: 39479 Date Analyzed: 2007-07-28 Analyzed By: TG
Prep Batch: 34177 QC Preparation: 2007-07-27 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	250	mg/Kg	1	250	<10.7	100	64.1 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	237	mg/Kg	1	250	<10.7	95	64.1 - 124	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	233	230	mg/Kg	1	150	155	153	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 39540 Date Analyzed: 2007-08-01 Analyzed By: DS
Prep Batch: 34229 QC Preparation: 2007-07-30 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.710	mg/Kg	1	2.67	0	26	10 - 117
2-Chlorophenol	0.672	mg/Kg	1	2.67	0	25	10 - 117
1,4-Dichlorobenzene (para)	0.679	mg/Kg	1	2.67	0	25	10 - 116
N-Nitrosodi-n-propylamine	1.03	mg/Kg	1	2.67	0	38	10 - 121
1,2,4-Trichlorobenzene	0.985	mg/Kg	1	2.67	0	37	10 - 126
Naphthalene	0.750	mg/Kg	1	2.67	0	28	10 - 165
4-Chloro-3-methylphenol	0.706	mg/Kg	1	2.67	0	26	10 - 148
Acenaphthylene	0.863	mg/Kg	1	2.67	0	32	10 - 165
Acenaphthene	0.826	mg/Kg	1	2.67	0	31	10 - 154
Dibenzofuran	0.936	mg/Kg	1	2.67	0	35	10 - 165
4-Nitrophenol	0.419	mg/Kg	1	2.67	0	16	10 - 142
2,4-Dinitrotoluene	1.08	mg/Kg	1	2.67	0	40	10 - 170
Fluorene	0.939	mg/Kg	1	2.67	0	35	10 - 165
Pentachlorophenol	0.416	mg/Kg	1	2.67	0	16	10 - 145
Anthracene	1.07	mg/Kg	1	2.67	0	40	10 - 165
Phenanthrene	1.06	mg/Kg	1	2.67	0	40	10 - 165
Fluoranthene	1.32	mg/Kg	1	2.67	0	49	10 - 165
Pyrene	0.973	mg/Kg	1	2.67	0	36	10 - 227
Benzo(a)anthracene	1.08	mg/Kg	1	2.67	0	40	10 - 165
Chrysene	1.08	mg/Kg	1	2.67	0	40	10 - 165
Benzo(b)fluoranthene	1.54	mg/Kg	1	2.67	0	58	10 - 165
Benzo(k)fluoranthene	1.66	mg/Kg	1	2.67	0	62	10 - 165
Benzo(a)pyrene	1.72	mg/Kg	1	2.67	0	64	10 - 165
Indeno(1,2,3-cd)pyrene	1.97	mg/Kg	1	2.67	0	74	10 - 165
Dibenzo(a,h)anthracene	1.91	mg/Kg	1	2.67	0	72	10 - 165

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzo(g,h,i)perylene	1.92	mg/Kg	1	2.67	0	72	10 - 165

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.723	mg/Kg	1	2.67	0	27	10 - 117	2	20
2-Chlorophenol	0.692	mg/Kg	1	2.67	0	26	10 - 117	3	20
1,4-Dichlorobenzene (para)	0.709	mg/Kg	1	2.67	0	26	10 - 116	4	20
N-Nitrosodi-n-propylamine	1.05	mg/Kg	1	2.67	0	39	10 - 121	2	20
1,2,4-Trichlorobenzene	1.03	mg/Kg	1	2.67	0	38	10 - 126	4	20
Naphthalene	0.778	mg/Kg	1	2.67	0	29	10 - 165	4	20
4-Chloro-3-methylphenol	0.730	mg/Kg	1	2.67	0	27	10 - 148	3	20
Acenaphthylene	0.898	mg/Kg	1	2.67	0	34	10 - 165	4	20
Acenaphthene	0.862	mg/Kg	1	2.67	0	32	10 - 154	4	20
Dibenzofuran	0.980	mg/Kg	1	2.67	0	37	10 - 165	5	20
4-Nitrophenol	0.438	mg/Kg	1	2.67	0	16	10 - 142	4	20
2,4-Dinitrotoluene	1.12	mg/Kg	1	2.67	0	42	10 - 170	4	20
Fluorene	0.970	mg/Kg	1	2.67	0	36	10 - 165	3	20
Pentachlorophenol	0.467	mg/Kg	1	2.67	0	17	10 - 145	12	20
Anthracene	1.10	mg/Kg	1	2.67	0	41	10 - 165	3	20
Phenanthrene	1.09	mg/Kg	1	2.67	0	41	10 - 165	3	20
Fluoranthene	1.36	mg/Kg	1	2.67	0	51	10 - 165	3	20
Pyrene	1.00	mg/Kg	1	2.67	0	37	10 - 227	3	20
Benzo(a)anthracene	1.11	mg/Kg	1	2.67	0	42	10 - 165	3	20
Chrysene	1.12	mg/Kg	1	2.67	0	42	10 - 165	4	20
Benzo(b)fluoranthene	1.60	mg/Kg	1	2.67	0	60	10 - 165	4	20
Benzo(k)fluoranthene	1.74	mg/Kg	1	2.67	0	65	10 - 165	5	20
Benzo(a)pyrene	1.80	mg/Kg	1	2.67	0	67	10 - 165	4	20
Indeno(1,2,3-cd)pyrene	2.05	mg/Kg	1	2.67	0	77	10 - 165	4	20
Dibenzo(a,h)anthracene	1.98	mg/Kg	1	2.67	0	74	10 - 165	4	20
Benzo(g,h,i)perylene	1.99	mg/Kg	1	2.67	0	74	10 - 165	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.640	0.680	mg/Kg	1	2.67	24	25	10 - 103
Phenol-d5	0.890	0.910	mg/Kg	1	2.67	33	34	10 - 120
Nitrobenzene-d5	0.890	0.910	mg/Kg	1	2.67	33	34	10 - 125
2-Fluorobiphenyl	1.19	1.25	mg/Kg	1	2.67	44	47	10 - 123
2,4,6-Tribromophenol	1.56	1.67	mg/Kg	1	2.67	58	62	14.4 - 145
Terphenyl-d14	1.43	1.47	mg/Kg	1	2.67	54	55	16.3 - 168

Laboratory Control Spike (LCS-1)

QC Batch: 39618 Date Analyzed: 2007-08-01 Analyzed By: JG
Prep Batch: 34292 QC Preparation: 2007-08-01 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	478	µg/Kg	1	500	<0.825	96	85 - 114
Dichlorodifluoromethane	382	µg/Kg	1	500	<0.889	76	57.1 - 129
Chloromethane (methyl chloride)	363	µg/Kg	1	500	<0.929	73	66.7 - 111
Vinyl Chloride	372	µg/Kg	1	500	<0.463	74	66.6 - 116
Bromomethane (methyl bromide)	400	µg/Kg	1	500	<1.71	80	43.4 - 143
Chloroethane	371	µg/Kg	1	500	<3.68	74	44.9 - 135
Trichlorofluoromethane	407	µg/Kg	1	500	<0.306	81	57.6 - 131
Acetone	429	µg/Kg	1	500	<1.70	86	16.7 - 142
Iodomethane (methyl iodide)	503	µg/Kg	1	500	<0.640	101	81.1 - 116
Carbon Disulfide	421	µg/Kg	1	500	<0.346	84	79.7 - 112
Acrylonitrile	420	µg/Kg	1	500	<1.51	84	74.9 - 124
2-Butanone (MEK)	448	µg/Kg	1	500	<3.78	90	50.9 - 124
4-Methyl-2-pentanone (MIBK)	527	µg/Kg	1	500	<7.86	105	71.2 - 134
2-Hexanone	453	µg/Kg	1	500	<5.70	91	43.1 - 135
trans 1,4-Dichloro-2-butene	430	µg/Kg	1	500	<1.33	86	46 - 134
1,1-Dichloroethene	447	µg/Kg	1	500	<0.639	89	76 - 118
Methylene chloride	403	µg/Kg	1	500	<1.19	81	64.4 - 110
MTBE	445	µg/Kg	1	500	<0.362	89	84.8 - 120
trans-1,2-Dichloroethene	446	µg/Kg	1	500	<0.419	89	82 - 112
1,1-Dichloroethane	410	µg/Kg	1	500	<0.257	82	81.4 - 113
cis-1,2-Dichloroethene	464	µg/Kg	1	500	<0.627	93	84.9 - 113
2,2-Dichloropropane	421	µg/Kg	1	500	<0.593	84	35.1 - 136
1,2-Dichloroethane (EDC)	364	µg/Kg	1	500	<0.524	73	35.1 - 136
Chloroform [13]	403	µg/Kg	1	500	<0.440	81	81 - 115
1,1,1-Trichloroethane	414	µg/Kg	1	500	<0.750	83	80.2 - 113
1,1-Dichloropropene	460	µg/Kg	1	500	<0.622	92	75.4 - 113
Benzene	460	µg/Kg	1	500	<0.644	92	84.6 - 114
Carbon Tetrachloride	455	µg/Kg	1	500	<0.485	91	86.6 - 113
1,2-Dichloropropane	454	µg/Kg	1	500	<0.547	91	67 - 127
Trichloroethene (TCE)	522	µg/Kg	1	500	<0.836	104	84.9 - 115
Dibromomethane (methylene bromide) [14]	461	µg/Kg	1	500	<0.435	92	92.6 - 114
Bromodichloromethane	458	µg/Kg	1	500	<0.457	92	87.7 - 114
2-Chloroethyl vinyl ether	465	µg/Kg	1	500	<0.547	93	81.1 - 121
cis-1,3-Dichloropropene	494	µg/Kg	1	500	<0.596	99	84.9 - 115
trans-1,3-Dichloropropene	483	µg/Kg	1	500	<0.561	97	85.8 - 118
Toluene	482	µg/Kg	1	500	<1.12	96	80.7 - 109
1,1,2-Trichloroethane	461	µg/Kg	1	500	<3.25	92	89 - 115
1,3-Dichloropropane	456	µg/Kg	1	500	<0.505	91	90.3 - 115
Dibromochloromethane	514	µg/Kg	1	500	<0.552	103	82.6 - 129
1,2-Dibromoethane (EDB)	504	µg/Kg	1	500	<0.688	101	93.3 - 117
Tetrachloroethene (PCE)	521	µg/Kg	1	500	<0.826	104	50.2 - 143
Chlorobenzene	494	µg/Kg	1	500	<0.426	99	86.1 - 111
1,1,1,2-Tetrachloroethane	492	µg/Kg	1	500	<0.289	98	81.4 - 122
Ethylbenzene	482	µg/Kg	1	500	<0.376	96	84.4 - 106
m,p-Xylene	972	µg/Kg	1	1000	<0.714	97	84 - 108
Bromoform	553	µg/Kg	1	500	<0.426	111	77 - 139
Styrene	537	µg/Kg	1	500	<0.796	107	87.6 - 122
o-Xylene	499	µg/Kg	1	500	<0.679	100	86.6 - 111
1,1,2,2-Tetrachloroethane	472	µg/Kg	1	500	<0.703	94	76.4 - 124

continued ...

[13] Spike recovery out of control limits. Analyte not detected in samples. •
[14] Spike recovery out of control limits. Analyte not detected in samples. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
2-Chlorotoluene	456	µg/Kg	1	500	<1.26	91	81.7 - 115
1,2,3-Trichloropropane	441	µg/Kg	1	500	<0.504	88	75.7 - 134
Isopropylbenzene	504	µg/Kg	1	500	<1.30	101	81 - 118
Bromobenzene	434	µg/Kg	1	500	<0.480	87	82.7 - 121
n-Propylbenzene	472	µg/Kg	1	500	<0.421	94	73.4 - 115
1,3,5-Trimethylbenzene	490	µg/Kg	1	500	<2.10	98	76 - 113
tert-Butylbenzene	517	µg/Kg	1	500	<0.410	103	70 - 116
1,2,4-Trimethylbenzene	499	µg/Kg	1	500	<0.535	100	78.6 - 115
1,4-Dichlorobenzene (para)	477	µg/Kg	1	500	<0.387	95	78.6 - 109
sec-Butylbenzene	514	µg/Kg	1	500	<0.632	103	64 - 114
1,3-Dichlorobenzene (meta)	518	µg/Kg	1	500	<0.534	104	86.8 - 109
p-Isopropyltoluene	540	µg/Kg	1	500	<0.679	108	64.8 - 115
4-Chlorotoluene	473	µg/Kg	1	500	<0.675	95	83.3 - 117
1,2-Dichlorobenzene (ortho)	533	µg/Kg	1	500	<0.475	107	88.4 - 110
n-Butylbenzene	532	µg/Kg	1	500	<0.979	106	61.5 - 112
1,2-Dibromo-3-chloropropane	410	µg/Kg	1	500	<0.883	82	47.4 - 147
1,2,3-Trichlorobenzene	528	µg/Kg	1	500	<3.64	106	19.4 - 159
1,2,4-Trichlorobenzene	480	µg/Kg	1	500	<2.28	96	37.6 - 135
Naphthalene	518	µg/Kg	1	500	<4.41	104	20.8 - 179
Hexachlorobutadiene	582	µg/Kg	1	500	<3.24	116	54.5 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	485	µg/Kg	1	500	<0.825	97	85 - 114	1	20
Dichlorodifluoromethane	388	µg/Kg	1	500	<0.889	78	57.1 - 129	2	20
Chloromethane (methyl chloride)	371	µg/Kg	1	500	<0.929	74	66.7 - 111	2	20
Vinyl Chloride	378	µg/Kg	1	500	<0.463	76	66.6 - 116	2	20
Bromomethane (methyl bromide)	412	µg/Kg	1	500	<1.71	82	43.4 - 143	3	20
Chloroethane	380	µg/Kg	1	500	<3.68	76	44.9 - 135	2	20
Trichlorofluoromethane	413	µg/Kg	1	500	<0.306	83	57.6 - 131	2	20
Acetone	409	µg/Kg	1	500	<1.70	82	16.7 - 142	5	20
Iodomethane (methyl iodide)	511	µg/Kg	1	500	<0.640	102	81.1 - 116	2	20
Carbon Disulfide	429	µg/Kg	1	500	<0.346	86	79.7 - 112	2	20
Acrylonitrile	420	µg/Kg	1	500	<1.51	84	74.9 - 124	0	20
2-Butanone (MEK)	443	µg/Kg	1	500	<3.78	89	50.9 - 124	1	20
4-Methyl-2-pentanone (MIBK)	509	µg/Kg	1	500	<7.86	102	71.2 - 134	4	20
2-Hexanone	441	µg/Kg	1	500	<5.70	88	43.1 - 135	3	20
trans 1,4-Dichloro-2-butene	424	µg/Kg	1	500	<1.33	85	46 - 134	1	20
1,1-Dichloroethene	463	µg/Kg	1	500	<0.639	93	76 - 118	4	20
Methylene chloride	412	µg/Kg	1	500	<1.19	82	64.4 - 110	2	20
MTBE	455	µg/Kg	1	500	<0.362	91	84.8 - 120	2	20
trans-1,2-Dichloroethene	460	µg/Kg	1	500	<0.419	92	82 - 112	3	20
1,1-Dichloroethane	420	µg/Kg	1	500	<0.257	84	81.4 - 113	2	20
cis-1,2-Dichloroethene	471	µg/Kg	1	500	<0.627	94	84.9 - 113	2	20
2,2-Dichloropropane	419	µg/Kg	1	500	<0.593	84	35.1 - 136	0	20
1,2-Dichloroethane (EDC)	376	µg/Kg	1	500	<0.524	75	35.1 - 136	3	20
Chloroform	414	µg/Kg	1	500	<0.440	83	81 - 115	3	20
1,1,1-Trichloroethane	426	µg/Kg	1	500	<0.750	85	80.2 - 113	3	20
1,1-Dichloropropene	473	µg/Kg	1	500	<0.622	95	75.4 - 113	3	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	470	μg/Kg	1	500	<0.644	94	84.6 - 114	2	20
Carbon Tetrachloride	462	μg/Kg	1	500	<0.485	92	86.6 - 113	2	20
1,2-Dichloropropane	467	μg/Kg	1	500	<0.547	93	67 - 127	3	20
Trichloroethene (TCE)	534	μg/Kg	1	500	<0.836	107	84.9 - 115	2	20
Dibromomethane (methylene bromide)	466	μg/Kg	1	500	<0.435	93	92.6 - 114	1	20
Bromodichloromethane	467	μg/Kg	1	500	<0.457	93	87.7 - 114	2	20
2-Chloroethyl vinyl ether	478	μg/Kg	1	500	<0.547	96	81.1 - 121	3	20
cis-1,3-Dichloropropene	500	μg/Kg	1	500	<0.596	100	84.9 - 115	1	20
trans-1,3-Dichloropropene	485	μg/Kg	1	500	<0.561	97	85.8 - 118	0	20
Toluene	488	μg/Kg	1	500	<1.12	98	80.7 - 109	1	20
1,1,2-Trichloroethane	468	μg/Kg	1	500	<3.25	94	89 - 115	2	20
1,3-Dichloropropane	465	μg/Kg	1	500	<0.505	93	90.3 - 115	2	20
Dibromochloromethane	528	μg/Kg	1	500	<0.552	106	82.6 - 129	3	20
1,2-Dibromoethane (EDB)	514	μg/Kg	1	500	<0.688	103	93.3 - 117	2	20
Tetrachloroethene (PCE)	533	μg/Kg	1	500	<0.826	107	50.2 - 143	2	20
Chlorobenzene	507	μg/Kg	1	500	<0.426	101	86.1 - 111	3	20
1,1,1,2-Tetrachloroethane	507	μg/Kg	1	500	<0.289	101	81.4 - 122	3	20
Ethylbenzene	493	μg/Kg	1	500	<0.376	99	84.4 - 106	2	20
m,p-Xylene	987	μg/Kg	1	1000	<0.714	99	84 - 108	2	20
Bromoform	563	μg/Kg	1	500	<0.426	113	77 - 139	2	20
Styrene	549	μg/Kg	1	500	<0.796	110	87.6 - 122	2	20
o-Xylene	508	μg/Kg	1	500	<0.679	102	86.6 - 111	2	20
1,1,2,2-Tetrachloroethane	476	μg/Kg	1	500	<0.703	95	76.4 - 124	1	20
2-Chlorotoluene	471	μg/Kg	1	500	<1.26	94	81.7 - 115	3	20
1,2,3-Trichloropropane	452	μg/Kg	1	500	<0.504	90	75.7 - 134	2	20
Isopropylbenzene	520	μg/Kg	1	500	<1.30	104	81 - 118	3	20
Bromobenzene	448	μg/Kg	1	500	<0.480	90	82.7 - 121	3	20
n-Propylbenzene	485	μg/Kg	1	500	<0.421	97	73.4 - 115	3	20
1,3,5-Trimethylbenzene	504	μg/Kg	1	500	<2.10	101	76 - 113	3	20
tert-Butylbenzene	529	μg/Kg	1	500	<0.410	106	70 - 116	2	20
1,2,4-Trimethylbenzene	515	μg/Kg	1	500	<0.535	103	78.6 - 115	3	20
1,4-Dichlorobenzene (para)	493	μg/Kg	1	500	<0.387	99	78.6 - 109	3	20
sec-Butylbenzene	527	μg/Kg	1	500	<0.632	105	64 - 114	2	20
1,3-Dichlorobenzene (meta)	534	μg/Kg	1	500	<0.534	107	86.8 - 109	3	20
p-Isopropyltoluene	558	μg/Kg	1	500	<0.679	112	64.8 - 115	3	20
4-Chlorotoluene	490	μg/Kg	1	500	<0.675	98	83.3 - 117	4	20
1,2-Dichlorobenzene (ortho)	549	μg/Kg	1	500	<0.475	110	88.4 - 110	3	20
n-Butylbenzene	546	μg/Kg	1	500	<0.979	109	61.5 - 112	3	20
1,2-Dibromo-3-chloropropane	426	μg/Kg	1	500	<0.883	85	47.4 - 147	4	20
1,2,3-Trichlorobenzene	550	μg/Kg	1	500	<3.64	110	19.4 - 159	4	20
1,2,4-Trichlorobenzene	488	μg/Kg	1	500	<2.28	98	37.6 - 135	2	20
Naphthalene	537	μg/Kg	1	500	<4.41	107	20.8 - 179	4	20
Hexachlorobutadiene	588	μg/Kg	1	500	<3.24	118	54.5 - 128	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	420	430	μg/Kg	1	500	84	86	79.7 - 120
Toluene-d8	470	479	μg/Kg	1	500	94	96	86.8 - 107
4-Bromofluorobenzene (4-BFB)	476	484	μg/Kg	1	500	95	97	82.5 - 116

Matrix Spike (MS-1) Spiked Sample: 131061

QC Batch: 39479 Date Analyzed: 2007-07-28 Analyzed By: TG
Prep Batch: 34177 QC Preparation: 2007-07-27 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	248	mg/Kg	1	250	<10.7	99	47.5 - 127

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	302	mg/Kg	1	250	<10.7	121	47.5 - 127	20	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane [15]	245	266	mg/Kg	1	150	163	177	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 131060

QC Batch: 39540 Date Analyzed: 2007-08-01 Analyzed By: DS
Prep Batch: 34229 QC Preparation: 2007-07-30 Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.49	mg/Kg	1	2.67	0	56	10 - 117
2-Chlorophenol	1.44	mg/Kg	1	2.67	0	54	10 - 117
1,4-Dichlorobenzene (para)	1.22	mg/Kg	1	2.67	0	46	10 - 116
N-Nitrosodi-n-propylamine	1.79	mg/Kg	1	2.67	0	67	10 - 121
1,2,4-Trichlorobenzene	1.78	mg/Kg	1	2.67	0	67	10 - 126
Naphthalene	1.56	mg/Kg	1	2.67	0	58	10 - 165
4-Chloro-3-methylphenol	1.68	mg/Kg	1	2.67	0	63	10 - 148
Acenaphthylene	1.80	mg/Kg	1	2.67	0	67	10 - 165
Acenaphthene	1.74	mg/Kg	1	2.67	0	65	10 - 154
Dibenzofuran	2.06	mg/Kg	1	2.67	0	77	10 - 165
4-Nitrophenol	1.10	mg/Kg	1	2.67	0	41	10 - 142
2,4-Dinitrotoluene	1.99	mg/Kg	1	2.67	0	74	10 - 170
Fluorene	2.13	mg/Kg	1	2.67	0	80	10 - 165
Pentachlorophenol	1.39	mg/Kg	1	2.67	0	52	10 - 145
Anthracene	2.26	mg/Kg	1	2.67	0	85	10 - 165
Phenanthrene	2.22	mg/Kg	1	2.67	0	83	10 - 165
Fluoranthene	2.75	mg/Kg	1	2.67	0	103	10 - 165
Pyrene	2.04	mg/Kg	1	2.67	0	76	10 - 227
Benzo(a)anthracene	2.20	mg/Kg	1	2.67	0	82	10 - 165
Chrysene	2.25	mg/Kg	1	2.67	0	84	10 - 165
Benzo(b)fluoranthene	2.11	mg/Kg	1	2.67	0	79	10 - 165
Benzo(k)fluoranthene	2.26	mg/Kg	1	2.67	0	85	10 - 165
Benzo(a)pyrene	2.36	mg/Kg	1	2.67	0	88	10 - 165
Indeno(1,2,3-cd)pyrene	2.65	mg/Kg	1	2.67	0	99	10 - 165

continued ...

[15] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dibenzo(a,h)anthracene	2.55	mg/Kg	1	2.67	0	96	10 - 165
Benzo(g,h,i)perylene	2.56	mg/Kg	1	2.67	0	96	10 - 165

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	1.48	mg/Kg	1	2.67	0	55	10 - 117	1	20
2-Chlorophenol	1.40	mg/Kg	1	2.67	0	52	10 - 117	3	20
1,4-Dichlorobenzene (para)	1.21	mg/Kg	1	2.67	0	45	10 - 116	1	20
N-Nitrosodi-n-propylamine	1.76	mg/Kg	1	2.67	0	66	10 - 121	2	20
1,2,4-Trichlorobenzene	1.79	mg/Kg	1	2.67	0	67	10 - 126	1	20
Naphthalene	1.55	mg/Kg	1	2.67	0	58	10 - 165	1	20
4-Chloro-3-methylphenol	1.62	mg/Kg	1	2.67	0	61	10 - 148	4	20
Acenaphthylene	1.82	mg/Kg	1	2.67	0	68	10 - 165	1	20
Acenaphthene	1.76	mg/Kg	1	2.67	0	66	10 - 154	1	20
Dibenzofuran	2.05	mg/Kg	1	2.67	0	77	10 - 165	0	20
4-Nitrophenol	1.16	mg/Kg	1	2.67	0	43	10 - 142	5	20
2,4-Dinitrotoluene	2.00	mg/Kg	1	2.67	0	75	10 - 170	0	20
Fluorene	2.14	mg/Kg	1	2.67	0	80	10 - 165	0	20
Pentachlorophenol	1.54	mg/Kg	1	2.67	0	58	10 - 145	10	20
Anthracene	2.23	mg/Kg	1	2.67	0	84	10 - 165	1	20
Phenanthrene	2.18	mg/Kg	1	2.67	0	82	10 - 165	2	20
Fluoranthene	2.77	mg/Kg	1	2.67	0	104	10 - 165	1	20
Pyrene	2.04	mg/Kg	1	2.67	0	76	10 - 227	0	20
Benzo(a)anthracene	2.19	mg/Kg	1	2.67	0	82	10 - 165	0	20
Chrysene	2.25	mg/Kg	1	2.67	0	84	10 - 165	0	20
Benzo(b)fluoranthene	2.06	mg/Kg	1	2.67	0	77	10 - 165	2	20
Benzo(k)fluoranthene	2.25	mg/Kg	1	2.67	0	84	10 - 165	0	20
Benzo(a)pyrene	2.32	mg/Kg	1	2.67	0	87	10 - 165	2	20
Indeno(1,2,3-cd)pyrene	2.60	mg/Kg	1	2.67	0	97	10 - 165	2	20
Dibenzo(a,h)anthracene	2.52	mg/Kg	1	2.67	0	94	10 - 165	1	20
Benzo(g,h,i)perylene	2.53	mg/Kg	1	2.67	0	95	10 - 165	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	1.20	1.20	mg/Kg	1	2.67	45	45	10 - 103
Phenol-d5	1.61	1.56	mg/Kg	1	2.67	60	58	10 - 120
Nitrobenzene-d5	1.61	1.61	mg/Kg	1	2.67	60	60	10 - 125
2-Fluorobiphenyl	2.13	2.17	mg/Kg	1	2.67	80	81	10 - 123
2,4,6-Tribromophenol	3.50	3.43	mg/Kg	1	2.67	131	128	14.4 - 145
Terphenyl-d14	2.50	2.50	mg/Kg	1	2.67	94	94	16.3 - 168

Matrix Spike (MS-1) Spiked Sample: 131071

QC Batch:	39618	Date Analyzed:	2007-08-01	Analyzed By:	JG
Prep Batch:	34292	QC Preparation:	2007-08-01	Prepared By:	JG

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		583	µg/Kg	1	500	<0.825	117	70.6 - 131
Dichlorodifluoromethane		385	µg/Kg	1	500	<0.889	77	52.9 - 135
Chloromethane (methyl chloride)		390	µg/Kg	1	500	<0.929	78	60.7 - 119
Vinyl Chloride		450	µg/Kg	1	500	<0.463	90	66 - 119
Bromomethane (methyl bromide)		126	µg/Kg	1	500	<1.71	25	15.5 - 148
Chloroethane	[16]	78.9	µg/Kg	1	500	<3.68	16	42.5 - 123
Trichlorofluoromethane	[17]	66.2	µg/Kg	1	500	<0.306	13	50.7 - 144
Acetone		444	µg/Kg	1	500	<1.70	89	10 - 161
Iodomethane (methyl iodide)	[18]	630	µg/Kg	1	500	<0.640	126	75.9 - 111
Carbon Disulfide		486	µg/Kg	1	500	<0.346	97	64 - 121
Acrylonitrile		482	µg/Kg	1	500	<1.51	96	77.7 - 116
2-Butanone (MEK)		480	µg/Kg	1	500	<3.78	96	28.3 - 136
4-Methyl-2-pentanone (MIBK)		525	µg/Kg	1	500	<7.86	105	78.8 - 115
2-Hexanone		441	µg/Kg	1	500	<5.70	88	34.9 - 129
trans 1,4-Dichloro-2-butene		473	µg/Kg	1	500	<1.33	95	43.6 - 112
1,1-Dichloroethene	[19]	581	µg/Kg	1	500	<0.639	116	76.1 - 115
Methylene chloride		534	µg/Kg	1	500	<1.19	107	59.4 - 113
MTBE		535	µg/Kg	1	500	<0.362	107	60 - 129
trans-1,2-Dichloroethene	[20]	582	µg/Kg	1	500	<0.419	116	78.2 - 110
1,1-Dichloroethane		516	µg/Kg	1	500	<0.257	103	79.7 - 111
cis-1,2-Dichloroethene	[21]	585	µg/Kg	1	500	<0.627	117	78.6 - 111
2,2-Dichloropropane		414	µg/Kg	1	500	<0.593	83	10 - 120
1,2-Dichloroethane (EDC)		439	µg/Kg	1	500	<0.524	88	75.7 - 123
Chloroform		506	µg/Kg	1	500	<0.440	101	78.4 - 116
1,1,1-Trichloroethane		502	µg/Kg	1	500	<0.750	100	68.9 - 119
1,1-Dichloropropene		585	µg/Kg	1	500	<0.622	117	80.3 - 120
Benzene	[22]	581	µg/Kg	1	500	<0.644	116	82.1 - 110
Carbon Tetrachloride		528	µg/Kg	1	500	<0.485	106	60.8 - 138
1,2-Dichloropropane	[23]	563	µg/Kg	1	500	<0.547	113	84.2 - 111
Trichloroethene (TCE)	[24]	657	µg/Kg	1	500	<0.836	131	75.5 - 129
Dibromomethane (methylene bromide)		544	µg/Kg	1	500	<0.435	109	81.8 - 117
Bromodichloromethane		532	µg/Kg	1	500	<0.457	106	70 - 130
2-Chloroethyl vinyl ether	[25]	576	µg/Kg	1	500	<0.547	115	84.2 - 111
cis-1,3-Dichloropropene	[26]	584	µg/Kg	1	500	<0.596	117	75.3 - 114
trans-1,3-Dichloropropene		551	µg/Kg	1	500	<0.561	110	75.7 - 117
Toluene	[27]	588	µg/Kg	1	500	<1.12	118	82.3 - 108
1,1,2-Trichloroethane		545	µg/Kg	1	500	<3.25	109	83.4 - 113
1,3-Dichloropropane		547	µg/Kg	1	500	<0.505	109	88.2 - 115
Dibromochloromethane		567	µg/Kg	1	500	<0.552	113	78.2 - 127
1,2-Dibromoethane (EDB)	[28]	588	µg/Kg	1	500	<0.688	118	88.9 - 115

continued ...

[16] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[17] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[18] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[19] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[20] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[21] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[22] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[23] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[24] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[25] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[26] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[27] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[28] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued . . .

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Tetrachloroethene (PCE)		716	µg/Kg	1	500	<0.826	143	35.1 - 201
Chlorobenzene	[29]	621	µg/Kg	1	500	<0.426	124	84.1 - 111
1,1,1,2-Tetrachloroethane		591	µg/Kg	1	500	<0.289	118	77.2 - 129
Ethylbenzene	[30]	594	µg/Kg	1	500	<0.376	119	81.2 - 113
m,p-Xylene	[31]	1200	µg/Kg	1	1000	<0.714	120	79 - 118
Bromoform		552	µg/Kg	1	500	<0.426	110	70.1 - 136
Styrene	[32]	668	µg/Kg	1	500	<0.796	134	86.8 - 112
o-Xylene	[33]	618	µg/Kg	1	500	<0.679	124	78.7 - 120
1,1,2,2-Tetrachloroethane		506	µg/Kg	1	500	<0.703	101	55.8 - 131
2-Chlorotoluene		572	µg/Kg	1	500	<1.26	114	72.4 - 128
1,2,3-Trichloropropane		489	µg/Kg	1	500	<0.504	98	80.5 - 119
Isopropylbenzene		635	µg/Kg	1	500	<1.30	127	73.5 - 130
Bromobenzene		534	µg/Kg	1	500	<0.480	107	75.5 - 129
n-Propylbenzene		609	µg/Kg	1	500	<0.421	122	70.5 - 123
1,3,5-Trimethylbenzene		636	µg/Kg	1	500	<2.10	127	59.2 - 141
tert-Butylbenzene		698	µg/Kg	1	500	<0.410	140	55.6 - 142
1,2,4-Trimethylbenzene		656	µg/Kg	1	500	<0.535	131	50 - 150
1,4-Dichlorobenzene (para)		628	µg/Kg	1	500	<0.387	126	63.6 - 127
sec-Butylbenzene	[34]	711	µg/Kg	1	500	<0.632	142	52.8 - 134
1,3-Dichlorobenzene (meta)	[35]	680	µg/Kg	1	500	<0.534	136	75.6 - 125
p-Isopropyltoluene	[36]	763	µg/Kg	1	500	<0.679	153	46.1 - 145
4-Chlorotoluene		603	µg/Kg	1	500	<0.675	121	78.4 - 126
1,2-Dichlorobenzene (ortho)	[37]	681	µg/Kg	1	500	<0.475	136	76.3 - 127
n-Butylbenzene	[38]	790	µg/Kg	1	500	<0.979	158	45.3 - 135
1,2-Dibromo-3-chloropropane		448	µg/Kg	1	500	<0.883	90	60.8 - 136
1,2,3-Trichlorobenzene	[39]	685	µg/Kg	1	500	<3.64	137	20.8 - 136
1,2,4-Trichlorobenzene		737	µg/Kg	1	500	<2.28	147	15 - 172
Naphthalene		539	µg/Kg	1	500	<4.41	108	10 - 219
Hexachlorobutadiene	[40]	816	µg/Kg	1	500	<3.24	163	55.4 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		612	µg/Kg	1	500	<0.825	122	70.6 - 131	5	20
Dichlorodifluoromethane		396	µg/Kg	1	500	<0.889	79	52.9 - 135	3	20
Chloromethane (methyl chloride)		401	µg/Kg	1	500	<0.929	80	60.7 - 119	3	20
Vinyl Chloride		466	µg/Kg	1	500	<0.463	93	66 - 119	4	20
Bromomethane (methyl bromide)		131	µg/Kg	1	500	<1.71	26	15.5 - 148	4	20
Chloroethane	[41]	81.4	µg/Kg	1	500	<3.68	16	42.5 - 123	3	20

continued . . .

[29] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[30] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[31] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[32] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[33] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[34] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[35] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[36] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[37] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[38] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[39] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[40] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[41] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued ...

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Trichlorofluoromethane	[42]	66.5	µg/Kg	1	500	<0.306	13	50.7 - 144	0	20
Acetone		275	µg/Kg	1	500	<1.70	55	10 - 161	47	20
Iodomethane (methyl iodide)	[43]	650	µg/Kg	1	500	<0.640	130	75.9 - 111	3	20
Carbon Disulfide		496	µg/Kg	1	500	<0.346	99	64 - 121	2	20
Acrylonitrile		508	µg/Kg	1	500	<1.51	102	77.7 - 116	5	20
2-Butanone (MEK)		513	µg/Kg	1	500	<3.78	103	28.3 - 136	7	20
4-Methyl-2-pentanone (MIBK)		563	µg/Kg	1	500	<7.86	113	78.8 - 115	7	20
2-Hexanone		462	µg/Kg	1	500	<5.70	92	34.9 - 129	5	20
trans 1,4-Dichloro-2-butene		492	µg/Kg	1	500	<1.33	98	43.6 - 112	4	20
1,1-Dichloroethene	[44]	591	µg/Kg	1	500	<0.639	118	76.1 - 115	2	20
Methylene chloride		545	µg/Kg	1	500	<1.19	109	59.4 - 113	2	20
MTBE		552	µg/Kg	1	500	<0.362	110	60 - 129	3	20
trans-1,2-Dichloroethene	[45]	599	µg/Kg	1	500	<0.419	120	78.2 - 110	3	20
1,1-Dichloroethane		529	µg/Kg	1	500	<0.257	106	79.7 - 111	2	20
cis-1,2-Dichloroethene	[46]	604	µg/Kg	1	500	<0.627	121	78.6 - 111	3	20
2,2-Dichloropropane		421	µg/Kg	1	500	<0.593	84	10 - 120	2	20
1,2-Dichloroethane (EDC)		452	µg/Kg	1	500	<0.524	90	75.7 - 123	3	20
Chloroform		520	µg/Kg	1	500	<0.440	104	78.4 - 116	3	20
1,1,1-Trichloroethane		521	µg/Kg	1	500	<0.750	104	68.9 - 119	4	20
1,1-Dichloropropene	[47]	606	µg/Kg	1	500	<0.622	121	80.3 - 120	4	20
Benzene	[48]	600	µg/Kg	1	500	<0.644	120	82.1 - 110	3	20
Carbon Tetrachloride		556	µg/Kg	1	500	<0.485	111	60.8 - 138	5	20
1,2-Dichloropropane	[49]	579	µg/Kg	1	500	<0.547	116	84.2 - 111	3	20
Trichloroethene (TCE)	[50]	680	µg/Kg	1	500	<0.836	136	75.5 - 129	3	20
Dibromomethane (methylene bromide)		572	µg/Kg	1	500	<0.435	114	81.8 - 117	5	20
Bromodichloromethane		560	µg/Kg	1	500	<0.457	112	70 - 130	5	20
2-Chloroethyl vinyl ether	[51]	592	µg/Kg	1	500	<0.547	118	84.2 - 111	3	20
cis-1,3-Dichloropropene	[52]	606	µg/Kg	1	500	<0.596	121	75.3 - 114	4	20
trans-1,3-Dichloropropene		575	µg/Kg	1	500	<0.561	115	75.7 - 117	4	20
Toluene	[53]	614	µg/Kg	1	500	<1.12	123	82.3 - 108	4	20
1,1,2-Trichloroethane		562	µg/Kg	1	500	<3.25	112	83.4 - 113	3	20
1,3-Dichloropropane		563	µg/Kg	1	500	<0.505	113	88.2 - 115	3	20
Dibromochloromethane		600	µg/Kg	1	500	<0.552	120	78.2 - 127	6	20
1,2-Dibromoethane (EDB)	[54]	619	µg/Kg	1	500	<0.688	124	88.9 - 115	5	20
Tetrachloroethene (PCE)		751	µg/Kg	1	500	<0.826	150	35.1 - 201	5	20
Chlorobenzene	[55]	646	µg/Kg	1	500	<0.426	129	84.1 - 111	4	20
1,1,1,2-Tetrachloroethane		612	µg/Kg	1	500	<0.289	122	77.2 - 129	4	20
Ethylbenzene	[56]	618	µg/Kg	1	500	<0.376	124	81.2 - 113	4	20

continued ...

[42] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[43] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[44] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[45] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[46] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[47] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[48] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[49] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[50] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[51] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[52] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[53] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[54] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[55] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[56] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued ...

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
m,p-Xylene	[57]	1240	µg/Kg	1	1000	<0.714	124	79 - 118	3	20
Bromoform		590	µg/Kg	1	500	<0.426	118	70.1 - 136	7	20
Styrene	[58]	692	µg/Kg	1	500	<0.796	138	86.8 - 112	4	20
o-Xylene	[59]	635	µg/Kg	1	500	<0.679	127	78.7 - 120	3	20
1,1,2,2-Tetrachloroethane		527	µg/Kg	1	500	<0.703	105	55.8 - 131	4	20
2-Chlorotoluene		588	µg/Kg	1	500	<1.26	118	72.4 - 128	3	20
1,2,3-Trichloropropane		503	µg/Kg	1	500	<0.504	101	80.5 - 119	3	20
Isopropylbenzene	[60]	654	µg/Kg	1	500	<1.30	131	73.5 - 130	3	20
Bromobenzene		546	µg/Kg	1	500	<0.480	109	75.5 - 129	2	20
n-Propylbenzene	[61]	626	µg/Kg	1	500	<0.421	125	70.5 - 123	3	20
1,3,5-Trimethylbenzene		660	µg/Kg	1	500	<2.10	132	59.2 - 141	4	20
tert-Butylbenzene	[62]	713	µg/Kg	1	500	<0.410	143	55.6 - 142	2	20
1,2,4-Trimethylbenzene		670	µg/Kg	1	500	<0.535	134	50 - 150	2	20
1,4-Dichlorobenzene (para)	[63]	650	µg/Kg	1	500	<0.387	130	63.6 - 127	3	20
sec-Butylbenzene	[64]	737	µg/Kg	1	500	<0.632	147	52.8 - 134	4	20
1,3-Dichlorobenzene (meta)	[65]	704	µg/Kg	1	500	<0.534	141	75.6 - 125	4	20
p-Isopropyltoluene	[66]	794	µg/Kg	1	500	<0.679	159	46.1 - 145	4	20
4-Chlorotoluene		625	µg/Kg	1	500	<0.675	125	78.4 - 126	4	20
1,2-Dichlorobenzene (ortho)	[67]	710	µg/Kg	1	500	<0.475	142	76.3 - 127	4	20
n-Butylbenzene	[68]	820	µg/Kg	1	500	<0.979	164	45.3 - 135	4	20
1,2-Dibromo-3-chloropropane		484	µg/Kg	1	500	<0.883	97	60.8 - 136	8	20
1,2,3-Trichlorobenzene	[69]	873	µg/Kg	1	500	<3.64	175	20.8 - 136	24	20
1,2,4-Trichlorobenzene		841	µg/Kg	1	500	<2.28	168	15 - 172	13	20
Naphthalene		687	µg/Kg	1	500	<4.41	137	10 - 219	24	20
Hexachlorobutadiene	[70]	933	µg/Kg	1	500	<3.24	187	55.4 - 122	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	412	412	µg/Kg	1	500	82	82	79.1 - 110
Toluene-d8	470	470	µg/Kg	1	500	94	94	84.3 - 108
4-Bromofluorobenzene (4-BFB)	483	484	µg/Kg	1	500	97	97	84.5 - 109

Standard (ICV-1)

QC Batch: 39479 Date Analyzed: 2007-07-28 Analyzed By: TG

[57] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[58] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[59] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[60] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[61] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[62] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[63] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[64] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[65] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[66] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[67] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[68] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[69] Spike recovery out of control due to carryover. •
[70] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	259	104	85 - 115	2007-07-28

Standard (CCV-1)

QC Batch: 39479 Date Analyzed: 2007-07-28 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	252	101	85 - 115	2007-07-28

Standard (CCV-2)

QC Batch: 39479 Date Analyzed: 2007-07-28 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	282	113	85 - 115	2007-07-28

Standard (CCV-1)

QC Batch: 39540 Date Analyzed: 2007-08-01 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60.0	58.6	98	80 - 120	2007-08-01
1,4-Dichlorobenzene (para)		mg/Kg	60.0	57.9	96	80 - 120	2007-08-01
2-Nitrophenol		mg/Kg	60.0	66.9	112	80 - 120	2007-08-01
2,4-Dichlorophenol		mg/Kg	60.0	66.0	110	80 - 120	2007-08-01
Hexachlorobutadiene		mg/Kg	60.0	69.0	115	80 - 120	2007-08-01
4-Chloro-3-methylphenol		mg/Kg	60.0	54.5	91	80 - 120	2007-08-01
2,4,6-Trichlorophenol		mg/Kg	60.0	66.7	111	80 - 120	2007-08-01
Acenaphthene		mg/Kg	60.0	54.9	92	80 - 120	2007-08-01
Diphenylamine		mg/Kg	60.0	59.1	98	80 - 120	2007-08-01
Pentachlorophenol		mg/Kg	60.0	49.0	82	80 - 120	2007-08-01
Fluoranthene		mg/Kg	60.0	63.9	106	80 - 120	2007-08-01
Di-n-octylphthalate		mg/Kg	60.0	55.2	92	80 - 120	2007-08-01
Benzo(a)pyrene		mg/Kg	60.0	61.0	102	80 - 120	2007-08-01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		53.5	mg/Kg	1	60.0	89	80 - 120
Phenol-d5		56.4	mg/Kg	1	60.0	94	80 - 120
Nitrobenzene-d5		60.5	mg/Kg	1	60.0	101	80 - 120
2-Fluorobiphenyl		66.1	mg/Kg	1	60.0	110	80 - 120

continued . . .

standard continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2,4,6-Tribromophenol	[71]	80.9	mg/Kg	1	60.0	135	80 - 120
Terphenyl-d14		62.2	mg/Kg	1	60.0	104	80 - 120

Standard (CCV-1)

QC Batch: 39618 Date Analyzed: 2007-08-01 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/Kg	50.0	48.8	98	70 - 130	2007-08-01
Dichlorodifluoromethane		µg/Kg	50.0	47.5	95	70 - 130	2007-08-01
Chloromethane (methyl chloride)		µg/Kg	50.0	41.8	84	70 - 130	2007-08-01
Vinyl Chloride		µg/Kg	50.0	42.6	85	80 - 120	2007-08-01
Bromomethane (methyl bromide)		µg/Kg	50.0	43.9	88	70 - 130	2007-08-01
Chloroethane		µg/Kg	50.0	41.6	83	70 - 130	2007-08-01
Trichlorofluoromethane		µg/Kg	50.0	47.6	95	70 - 130	2007-08-01
Acetone	[72]	µg/Kg	50.0	140	280	70 - 130	2007-08-01
Iodomethane (methyl iodide)		µg/Kg	50.0	53.1	106	70 - 130	2007-08-01
Carbon Disulfide		µg/Kg	50.0	44.1	88	70 - 130	2007-08-01
Acrylonitrile		µg/Kg	50.0	40.2	80	70 - 130	2007-08-01
2-Butanone (MEK)		µg/Kg	50.0	63.3	127	70 - 130	2007-08-01
4-Methyl-2-pentanone (MIBK)		µg/Kg	50.0	52.3	105	70 - 130	2007-08-01
2-Hexanone		µg/Kg	50.0	60.1	120	70 - 130	2007-08-01
trans 1,4-Dichloro-2-butene		µg/Kg	50.0	42.7	85	70 - 130	2007-08-01
1,1-Dichloroethene		µg/Kg	50.0	47.3	95	80 - 120	2007-08-01
Methylene chloride		µg/Kg	50.0	45.0	90	70 - 130	2007-08-01
MTBE		µg/Kg	50.0	45.2	90	70 - 130	2007-08-01
trans-1,2-Dichloroethene		µg/Kg	50.0	46.1	92	70 - 130	2007-08-01
1,1-Dichloroethane		µg/Kg	50.0	42.0	84	70 - 130	2007-08-01
cis-1,2-Dichloroethene		µg/Kg	50.0	46.5	93	70 - 130	2007-08-01
2,2-Dichloropropane		µg/Kg	50.0	45.0	90	70 - 130	2007-08-01
1,2-Dichloroethane (EDC)		µg/Kg	50.0	37.7	75	70 - 130	2007-08-01
Chloroform		µg/Kg	50.0	41.9	84	80 - 120	2007-08-01
1,1,1-Trichloroethane		µg/Kg	50.0	43.7	87	70 - 130	2007-08-01
1,1-Dichloropropene		µg/Kg	50.0	47.5	95	70 - 130	2007-08-01
Benzene		µg/Kg	50.0	46.7	93	70 - 130	2007-08-01
Carbon Tetrachloride		µg/Kg	50.0	46.5	93	70 - 130	2007-08-01
1,2-Dichloropropane		µg/Kg	50.0	46.3	93	80 - 120	2007-08-01
Trichloroethene (TCE)		µg/Kg	50.0	52.7	105	70 - 130	2007-08-01
Dibromomethane (methylene bromide)		µg/Kg	50.0	46.8	94	70 - 130	2007-08-01
Bromodichloromethane		µg/Kg	50.0	45.6	91	70 - 130	2007-08-01
2-Chloroethyl vinyl ether		µg/Kg	50.0	47.4	95	70 - 130	2007-08-01
cis-1,3-Dichloropropene		µg/Kg	50.0	50.7	101	70 - 130	2007-08-01
trans-1,3-Dichloropropene		µg/Kg	50.0	49.2	98	70 - 130	2007-08-01
Toluene		µg/Kg	50.0	48.6	97	80 - 120	2007-08-01

continued ...

[71] 2,4,6-Tribromophenol outside of control limits on CCV(ICV). CCV(ICV) component average is 102% which is within acceptable range. This is acceptable by Method 8000.

[72] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 99 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,1,2-Trichloroethane		µg/Kg	50.0	45.5	91	70 - 130	2007-08-01
1,3-Dichloropropane		µg/Kg	50.0	45.4	91	70 - 130	2007-08-01
Dibromochloromethane		µg/Kg	50.0	50.0	100	70 - 130	2007-08-01
1,2-Dibromoethane (EDB)		µg/Kg	50.0	50.4	101	70 - 130	2007-08-01
Tetrachloroethene (PCE)		µg/Kg	50.0	53.0	106	70 - 130	2007-08-01
Chlorobenzene		µg/Kg	50.0	49.8	100	80 - 120	2007-08-01
1,1,1,2-Tetrachloroethane		µg/Kg	50.0	49.9	100	70 - 130	2007-08-01
Ethylbenzene		µg/Kg	50.0	48.5	97	80 - 120	2007-08-01
m,p-Xylene		µg/Kg	100	97.8	98	70 - 130	2007-08-01
Bromoform		µg/Kg	50.0	52.0	104	70 - 130	2007-08-01
Styrene		µg/Kg	50.0	54.0	108	70 - 130	2007-08-01
o-Xylene		µg/Kg	50.0	50.4	101	70 - 130	2007-08-01
1,1,2,2-Tetrachloroethane		µg/Kg	50.0	46.0	92	70 - 130	2007-08-01
2-Chlorotoluene		µg/Kg	50.0	45.8	92	70 - 130	2007-08-01
1,2,3-Trichloropropane		µg/Kg	50.0	43.3	87	70 - 130	2007-08-01
Isopropylbenzene		µg/Kg	50.0	50.5	101	70 - 130	2007-08-01
Bromobenzene		µg/Kg	50.0	43.6	87	70 - 130	2007-08-01
n-Propylbenzene		µg/Kg	50.0	46.8	94	70 - 130	2007-08-01
1,3,5-Trimethylbenzene		µg/Kg	50.0	49.6	99	70 - 130	2007-08-01
tert-Butylbenzene		µg/Kg	50.0	52.7	105	70 - 130	2007-08-01
1,2,4-Trimethylbenzene		µg/Kg	50.0	50.2	100	70 - 130	2007-08-01
1,4-Dichlorobenzene (para)		µg/Kg	50.0	47.8	96	70 - 130	2007-08-01
sec-Butylbenzene		µg/Kg	50.0	52.3	105	70 - 130	2007-08-01
1,3-Dichlorobenzene (meta)		µg/Kg	50.0	52.1	104	70 - 130	2007-08-01
p-Isopropyltoluene		µg/Kg	50.0	55.0	110	70 - 130	2007-08-01
4-Chlorotoluene		µg/Kg	50.0	47.5	95	70 - 130	2007-08-01
1,2-Dichlorobenzene (ortho)		µg/Kg	50.0	53.6	107	70 - 130	2007-08-01
n-Butylbenzene		µg/Kg	50.0	53.5	107	70 - 130	2007-08-01
1,2-Dibromo-3-chloropropane		µg/Kg	50.0	36.7	73	70 - 130	2007-08-01
1,2,3-Trichlorobenzene		µg/Kg	50.0	40.7	81	70 - 130	2007-08-01
1,2,4-Trichlorobenzene		µg/Kg	50.0	41.0	82	70 - 130	2007-08-01
Naphthalene		µg/Kg	50.0	36.8	74	70 - 130	2007-08-01
Hexachlorobutadiene		µg/Kg	50.0	57.7	115	70 - 130	2007-08-01

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P.O. Box 363, Bldg 126, 3rd Floor, WSMR, NM 88002
(505) 678-0263 Fax: (505) 678-6096

WLS

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.: 45

PROJECT NAME: POL Asta

SAMPLERS SIGNATURE:

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH DRO	VOCs	SVOCs	REMARKS
7-26-07	1005	0200-CF-001-12.0	Soil	131060	1	X	X	X	
7-26-07	1005	0200-CF-101-12.0	Soil	061	1	X	X	X	
7-26-07	1015	0200-CF-002-11.0	Soil	062	1	X	X	X	
7-26-07	1035	0200-CF-003-8.0	Soil	063	1	X	X	X	
7-26-07	1040	0200-CF-004-11.0	Soil	064	1	X	X	X	
7-26-07	1100	0200-CF-005-10.0	Soil	065	1	X	X	X	
7-26-07	1125	0199-CF-001-10.0	SOIL	066	1	X	X	X	
7-26-07	1135	0199-CF-002-10.0	SOIL	067	1	X	X	X	
7-26-07	1140	0199-CF-003-14.0	SOIL	068	1	X	X	X	
7-26-07	1140	0199-CF-103-14.0	SOIL	069	1	X	X	X	
7-26-07	1200	0199-CF-004-10.0	SOIL	070	1	X	X	X	
7-26-07	1210	0199-CF-005-11.0	SOIL	071	1	X	X	X	
7-26-07	1300	0199-EB-007-0707	Water	072	7	X	X	X	
7-26-07	1300	0199-TB-903-0707	Water	073	2		X		
—	—	Temperature Blank	Water		1				Temperature Blank

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS	(PRINTED NAME) Bradley T. Davis	(PRINTED NAME)	(PRINTED NAME) Sabrina Multa
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS: 1	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
	GOOD CONDITION/CHILLED: 40	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 072707 1930
VIA: FedEX	CONFORMS TO RECORD: 88	SPECIAL INSTRUCTIONS/COMMENTS:	Rush on TPH DRO - 1 day verbal Brad Davis (505) 993-6890	

PLEASE USE BALL POINT PEN

Fedex Sent

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: July 25, 2007

Work Order: 7071819

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
130278	0213-EB-005-0707	water	2007-07-17	13:15	2007-07-18
130279	0213-TB-900-0707	water	2007-07-17	13:15	2007-07-18

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 24 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-18 and assigned to work order 7071819. Samples for work order 7071819 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C
TPH DRO	Mod. 8015B
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7071819 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 130278 - 0213-EB-005-0707

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	39351	Date Analyzed:	2007-07-24	Analyzed By:	DS
Prep Batch:	34068	Sample Preparation:	2007-07-23	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500	mg/L	1	0.00500
Isophorone		<0.00500	mg/L	1	0.00500
2-Nitrophenol		<0.00500	mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500	mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500	mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500	mg/L	1	0.00500
Benzoic acid		<0.00500	mg/L	1	0.00500
Naphthalene		<0.00500	mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500	mg/L	1	0.00500
4-Chloroaniline		<0.00500	mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100	mg/L	1	0.0100
Hexachlorobutadiene		<0.00500	mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500	mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500	mg/L	1	0.00500
2-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500	mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500	mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100	mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500	mg/L	1	0.00500
2-Chloronaphthalene		<0.00500	mg/L	1	0.00500
1-Chloronaphthalene		<0.00500	mg/L	1	0.00500
2-Nitroaniline		<0.00500	mg/L	1	0.00500

continued ...

sample 130278 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.00500	mg/L	1	0.00500
Acenaphthylene		<0.00500	mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500	mg/L	1	0.00500
3-Nitroaniline		<0.00500	mg/L	1	0.00500
Acenaphthene		<0.00500	mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500	mg/L	1	0.00500
Dibenzofuran		<0.00500	mg/L	1	0.00500
Pentachlorobenzene		<0.00500	mg/L	1	0.00500
4-Nitrophenol		<0.0250	mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500	mg/L	1	0.00500
1-Naphthylamine		<0.00500	mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100	mg/L	1	0.0100
2-Naphthylamine		<0.00500	mg/L	1	0.00500
Fluorene		<0.00500	mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500	mg/L	1	0.00500
Diethylphthalate		<0.00500	mg/L	1	0.00500
4-Nitroaniline		<0.00500	mg/L	1	0.00500
Diphenylhydrazine		<0.00500	mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500	mg/L	1	0.00500
Diphenylamine		<0.00500	mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500	mg/L	1	0.00500
Phenacetin		<0.00500	mg/L	1	0.00500
Hexachlorobenzene		<0.00500	mg/L	1	0.00500
4-Aminobiphenyl		<0.00500	mg/L	1	0.00500
Pentachlorophenol		<0.0100	mg/L	1	0.0100
Anthracene		<0.00500	mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500	mg/L	1	0.00500
Pronamide		<0.00500	mg/L	1	0.00500
Phenanthrene		<0.00500	mg/L	1	0.00500
Di-n-butylphthalate		<0.00500	mg/L	1	0.00500
Fluoranthene		<0.00500	mg/L	1	0.00500
Benzidine		<0.0250	mg/L	1	0.0250
Pyrene		<0.00500	mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500	mg/L	1	0.00500
Butylbenzylphthalate		<0.00500	mg/L	1	0.00500
Benzo(a)anthracene		<0.00500	mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500	mg/L	1	0.00500
Chrysene		<0.00500	mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500	mg/L	1	0.00500
Di-n-octylphthalate		<0.00500	mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500	mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500	mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500	mg/L	1	0.00500
Benzo(a)pyrene		<0.00500	mg/L	1	0.00500
3-Methylcholanthrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500	mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500	mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500	mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.00970	mg/L	1	0.0800	12	10 - 84.7
Phenol-d5		0.0129	mg/L	1	0.0800	16	10 - 54.9
Nitrobenzene-d5		0.0567	mg/L	1	0.0800	71	10 - 202
2-Fluorobiphenyl		0.0549	mg/L	1	0.0800	69	10 - 199
2,4,6-Tribromophenol		0.0180	mg/L	1	0.0800	22	10 - 141
Terphenyl-d14		0.0812	mg/L	1	0.0800	102	10 - 160

Sample: 130278 - 0213-EB-005-0707

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39220	Date Analyzed:	2007-07-18	Analyzed By:	TG
Prep Batch:	33942	Sample Preparation:	2007-07-18	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		22.7	mg/L	1	15.0	151	40.7 - 174

Sample: 130278 - 0213-EB-005-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39228	Date Analyzed:	2007-07-18	Analyzed By:	JG
Prep Batch:	33949	Sample Preparation:	2007-07-18	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	μg/L	1	1.00
Dichlorodifluoromethane		<1.00	μg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	μg/L	1	1.00
Vinyl Chloride		<1.00	μg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	μg/L	1	5.00
Chloroethane		<1.00	μg/L	1	1.00
Trichlorofluoromethane		<1.00	μg/L	1	1.00
Acetone		<10.0	μg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	μg/L	1	5.00
Carbon Disulfide		<1.00	μg/L	1	1.00
Acrylonitrile		<1.00	μg/L	1	1.00
2-Butanone (MEK)		<5.00	μg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	μg/L	1	5.00
2-Hexanone		<5.00	μg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	μg/L	1	10.0
1,1-Dichloroethene		<1.00	μg/L	1	1.00
Methylene chloride		<5.00	μg/L	1	5.00
MTBE		<1.00	μg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	μg/L	1	1.00
1,1-Dichloroethane		<1.00	μg/L	1	1.00

continued ...

sample 130278 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
cis-1,2-Dichloroethene		<1.00	μg/L	1	1.00
2,2-Dichloropropane		<1.00	μg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	μg/L	1	1.00
Chloroform		<1.00	μg/L	1	1.00
1,1,1-Trichloroethane		<1.00	μg/L	1	1.00
1,1-Dichloropropene		<1.00	μg/L	1	1.00
Benzene		<1.00	μg/L	1	1.00
Carbon Tetrachloride		<1.00	μg/L	1	1.00
1,2-Dichloropropane		<1.00	μg/L	1	1.00
Trichloroethene (TCE)		<1.00	μg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	μg/L	1	1.00
Bromodichloromethane		<1.00	μg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	μg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	μg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	μg/L	1	1.00
Toluene		<1.00	μg/L	1	1.00
1,1,2-Trichloroethane		<1.00	μg/L	1	1.00
1,3-Dichloropropane		<1.00	μg/L	1	1.00
Dibromochloromethane		<1.00	μg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	μg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	μg/L	1	1.00
Chlorobenzene		<1.00	μg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	μg/L	1	1.00
Ethylbenzene		<1.00	μg/L	1	1.00
m,p-Xylene		<1.00	μg/L	1	1.00
Bromoform		<1.00	μg/L	1	1.00
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	μg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.5	μg/L	1	50.0	99	82.4 - 115
Toluene-d8		48.0	μg/L	1	50.0	96	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.0	μg/L	1	50.0	88	84.6 - 114

Sample: 130279 - 0213-TB-900-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39228	Date Analyzed:	2007-07-18	Analyzed By:	JG
Prep Batch:	33949	Sample Preparation:	2007-07-18	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	μg/L	1	1.00
Dichlorodifluoromethane		<1.00	μg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	μg/L	1	1.00
Vinyl Chloride		<1.00	μg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	μg/L	1	5.00
Chloroethane		<1.00	μg/L	1	1.00
Trichlorofluoromethane		<1.00	μg/L	1	1.00
Acetone		**54.1**	μg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	μg/L	1	5.00
Carbon Disulfide		<1.00	μg/L	1	1.00
Acrylonitrile		<1.00	μg/L	1	1.00
2-Butanone (MEK)		<5.00	μg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	μg/L	1	5.00
2-Hexanone		<5.00	μg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	μg/L	1	10.0
1,1-Dichloroethene		**1.62**	μg/L	1	1.00
Methylene chloride		<5.00	μg/L	1	5.00
MTBE		<1.00	μg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	μg/L	1	1.00
1,1-Dichloroethane		<1.00	μg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	μg/L	1	1.00
2,2-Dichloropropane		<1.00	μg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	μg/L	1	1.00
Chloroform		<1.00	μg/L	1	1.00
1,1,1-Trichloroethane		<1.00	μg/L	1	1.00
1,1-Dichloropropene		<1.00	μg/L	1	1.00
Benzene		<1.00	μg/L	1	1.00
Carbon Tetrachloride		<1.00	μg/L	1	1.00
1,2-Dichloropropane		<1.00	μg/L	1	1.00
Trichloroethene (TCE)		<1.00	μg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	μg/L	1	1.00
Bromodichloromethane		<1.00	μg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	μg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	μg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	μg/L	1	1.00
Toluene		<1.00	μg/L	1	1.00
1,1,2-Trichloroethane		<1.00	μg/L	1	1.00
1,3-Dichloropropane		<1.00	μg/L	1	1.00

continued ...

sample 130279 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dibromochloromethane		<1.00	μg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	μg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	μg/L	1	1.00
Chlorobenzene		<1.00	μg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	μg/L	1	1.00
Ethylbenzene		<1.00	μg/L	1	1.00
m,p-Xylene		<1.00	μg/L	1	1.00
Bromoform		<1.00	μg/L	1	1.00
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	μg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.3	μg/L	1	50.0	99	82.4 - 115
Toluene-d8		48.5	μg/L	1	50.0	97	89.7 - 108
4-Bromofluorobenzene (4-BFB)		43.8	μg/L	1	50.0	88	84.6 - 114

Method Blank (1) QC Batch: 39220

QC Batch:	39220	Date Analyzed:	2007-07-18	Analyzed By:	TG
Prep Batch:	33942	QC Preparation:	2007-07-18	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<1.06	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		20.6	mg/L	1	15.0	137	40.7 - 174

Method Blank (1) QC Batch: 39228

QC Batch:	39228	Date Analyzed:	2007-07-18	Analyzed By:	JG
Prep Batch:	33949	QC Preparation:	2007-07-18	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		1.57	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Chlorobenzene		<0.363	μg/L	1
1,1,1,2-Tetrachloroethane		<0.338	μg/L	1
Ethylbenzene		<0.350	μg/L	1
m,p-Xylene		<0.752	μg/L	1
Bromoform		<0.275	μg/L	1
Styrene		<0.395	μg/L	1
o-Xylene		<0.375	μg/L	1
1,1,2,2-Tetrachloroethane		<0.283	μg/L	1
2-Chlorotoluene		<0.445	μg/L	1
1,2,3-Trichloropropane		<0.430	μg/L	1
Isopropylbenzene		<0.521	μg/L	1
Bromobenzene		<0.494	μg/L	1
n-Propylbenzene		<0.483	μg/L	1
1,3,5-Trimethylbenzene		<0.487	μg/L	1
tert-Butylbenzene		<0.496	μg/L	1
1,2,4-Trimethylbenzene		<0.532	μg/L	1
1,4-Dichlorobenzene (para)		<0.413	μg/L	1
sec-Butylbenzene		<0.449	μg/L	1
1,3-Dichlorobenzene (meta)		<0.451	μg/L	1
p-Isopropyltoluene		<0.450	μg/L	1
4-Chlorotoluene		<0.489	μg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	μg/L	1
n-Butylbenzene		<0.461	μg/L	1
1,2-Dibromo-3-chloropropane		<0.532	μg/L	5
1,2,3-Trichlorobenzene		<0.288	μg/L	5
1,2,4-Trichlorobenzene		<0.273	μg/L	5
Naphthalene		<0.299	μg/L	5
Hexachlorobutadiene		<0.483	μg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		46.7	μg/L	1	50.0	93	82.4 - 115
Toluene-d8		48.0	μg/L	1	50.0	96	89.7 - 108
4-Bromofluorobenzene (4-BFB)		44.7	μg/L	1	50.0	89	84.6 - 114

Method Blank (1) QC Batch: 39351

QC Batch:	39351	Date Analyzed:	2007-07-24	Analyzed By:	DS
Prep Batch:	34068	QC Preparation:	2007-07-23	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.00188	mg/L	0.005
N-Nitrosodimethylamine		<0.00180	mg/L	0.005
2-Picoline		<0.00181	mg/L	0.005
Methyl methanesulfonate		<0.00220	mg/L	0.005
Ethyl methanesulfonate		<0.00260	mg/L	0.005
Phenol		<0.00231	mg/L	0.005
Aniline		<0.00200	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
bis(2-chloroethyl)ether		<0.00180	mg/L	0.005
2-Chlorophenol		<0.00190	mg/L	0.005
1,3-Dichlorobenzene (meta)		<0.00181	mg/L	0.005
1,4-Dichlorobenzene (para)		<0.00179	mg/L	0.005
Benzyl alcohol		<0.00244	mg/L	0.005
1,2-Dichlorobenzene (ortho)		<0.00173	mg/L	0.005
2-Methylphenol		<0.00230	mg/L	0.005
bis(2-chloroisopropyl)ether		<0.00209	mg/L	0.005
4-Methylphenol / 3-Methylphenol		<0.00229	mg/L	0.005
N-Nitrosodi-n-propylamine		<0.00236	mg/L	0.005
Hexachloroethane		<0.00189	mg/L	0.005
Acetophenone		<0.00211	mg/L	0.005
Nitrobenzene		<0.00192	mg/L	0.005
N-Nitrosopiperidine		<0.00208	mg/L	0.005
Isophorone		<0.00206	mg/L	0.005
2-Nitrophenol		<0.00189	mg/L	0.005
2,4-Dimethylphenol		<0.00209	mg/L	0.005
bis(2-chloroethoxy)methane		<0.00216	mg/L	0.005
2,4-Dichlorophenol		<0.00192	mg/L	0.005
1,2,4-Trichlorobenzene		<0.00176	mg/L	0.005
Benzoic acid		<0.00765	mg/L	0.005
Naphthalene		<0.00187	mg/L	0.005
a,a-Dimethylphenethylamine		<0.00146	mg/L	0.005
4-Chloroaniline		<0.00210	mg/L	0.005
2,6-Dichlorophenol		<0.00199	mg/L	0.01
Hexachlorobutadiene		<0.00186	mg/L	0.005
N-Nitroso-di-n-butylamine		<0.00214	mg/L	0.005
4-Chloro-3-methylphenol		<0.00182	mg/L	0.005
2-Methylnaphthalene		<0.00206	mg/L	0.005
1-Methylnaphthalene		<0.00205	mg/L	0.005
1,2,4,5-Tetrachlorobenzene		<0.00211	mg/L	0.005
Hexachlorocyclopentadiene		<0.00175	mg/L	0.005
2,4,6-Trichlorophenol		<0.00200	mg/L	0.01
2,4,5-Trichlorophenol		<0.00176	mg/L	0.005
2-Chloronaphthalene		<0.00200	mg/L	0.005
1-Chloronaphthalene		<0.00259	mg/L	0.005
2-Nitroaniline		<0.00167	mg/L	0.005
Dimethylphthalate		<0.00160	mg/L	0.005
Acenaphthylene		<0.00201	mg/L	0.005
2,6-Dinitrotoluene		<0.00158	mg/L	0.005
3-Nitroaniline		<0.00166	mg/L	0.005
Acenaphthene		<0.00191	mg/L	0.005
2,4-Dinitrophenol		<0.000621	mg/L	0.005
Dibenzofuran		<0.00185	mg/L	0.005
Pentachlorobenzene		<0.00189	mg/L	0.005
4-Nitrophenol		<0.00156	mg/L	0.025
2,4-Dinitrotoluene		<0.00187	mg/L	0.005
1-Naphthylamine		<0.00149	mg/L	0.005
2,3,4,6-Tetrachlorophenol		<0.00162	mg/L	0.01
2-Naphthylamine		<0.00157	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Fluorene		<0.00182	mg/L	0.005
4-Chlorophenyl-phenylether		<0.00188	mg/L	0.005
Diethylphthalate		<0.00182	mg/L	0.005
4-Nitroaniline		<0.00182	mg/L	0.005
Diphenylhydrazine		<0.00184	mg/L	0.005
4,6-Dinitro-2-methylphenol		<0.00109	mg/L	0.005
Diphenylamine		<0.00193	mg/L	0.005
4-Bromophenyl-phenylether		<0.00179	mg/L	0.005
Phenacetin		<0.00190	mg/L	0.005
Hexachlorobenzene		<0.00193	mg/L	0.005
4-Aminobiphenyl		<0.00185	mg/L	0.005
Pentachlorophenol		<0.00130	mg/L	0.01
Anthracene		<0.00190	mg/L	0.005
Pentachloronitrobenzene		<0.00187	mg/L	0.005
Pronamide		<0.00182	mg/L	0.005
Phenanthrene		<0.00186	mg/L	0.005
Di-n-butylphthalate		<0.00180	mg/L	0.005
Fluoranthene		<0.00184	mg/L	0.005
Benzidine		<0.00156	mg/L	0.025
Pyrene		<0.00165	mg/L	0.005
p-Dimethylaminoazobenzene		<0.00145	mg/L	0.005
Butylbenzylphthalate		<0.00165	mg/L	0.005
Benzo(a)anthracene		<0.00157	mg/L	0.005
3,3-Dichlorobenzidine		<0.00162	mg/L	0.005
Chrysene		<0.00162	mg/L	0.005
bis(2-ethylhexyl)phthalate		<0.00171	mg/L	0.005
Di-n-octylphthalate		<0.00136	mg/L	0.005
Benzo(b)fluoranthene		<0.00160	mg/L	0.005
Benzo(k)fluoranthene		<0.00179	mg/L	0.005
7,12-Dimethylbenz(a)anthracene		<0.00152	mg/L	0.005
Benzo(a)pyrene		<0.00161	mg/L	0.005
3-Methylcholanthrene		<0.00147	mg/L	0.005
Dibenzo(a,j)acridine		<0.00154	mg/L	0.005
Indeno(1,2,3-cd)pyrene		<0.00160	mg/L	0.005
Dibenzo(a,h)anthracene		<0.00180	mg/L	0.005
Benzo(g,h,i)perylene		<0.00166	mg/L	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0188	mg/L	1	0.0800	24	10 - 66.9
Phenol-d5		0.0138	mg/L	1	0.0800	17	10 - 50.7
Nitrobenzene-d5		0.0381	mg/L	1	0.0800	48	10 - 124
2-Fluorobiphenyl		0.0339	mg/L	1	0.0800	42	10 - 127
2,4,6-Tribromophenol		0.0364	mg/L	1	0.0800	46	10 - 138
Terphenyl-d14		0.0721	mg/L	1	0.0800	90	10 - 143

Laboratory Control Spike (LCS-1)

QC Batch: 39220 Date Analyzed: 2007-07-18 Analyzed By: TG
Prep Batch: 33942 QC Preparation: 2007-07-18 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	25.7	mg/L	1	25.0	<1.06	103	56.9 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	25.4	mg/L	1	25.0	<1.06	102	56.9 - 128	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	19.2	18.8	mg/L	1	15.0	128	125	40.7 - 174

Laboratory Control Spike (LCS-1)

QC Batch: 39228 Date Analyzed: 2007-07-18 Analyzed By: JG
Prep Batch: 33949 QC Preparation: 2007-07-18 Prepared By: JG

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		51.7	µg/L	1	50.0	<0.351	103	85.7 - 113
Dichlorodifluoromethane		49.7	µg/L	1	50.0	<0.306	99	60.3 - 134
Chloromethane (methyl chloride)		42.0	µg/L	1	50.0	<0.240	84	72 - 120
Vinyl Chloride		45.1	µg/L	1	50.0	<0.224	90	64.4 - 132
Bromomethane (methyl bromide)		53.4	µg/L	1	50.0	<0.325	107	65.9 - 133
Chloroethane		43.9	µg/L	1	50.0	<0.303	88	65.3 - 132
Trichlorofluoromethane		48.9	µg/L	1	50.0	<0.255	98	52.7 - 159
Acetone		60.3	µg/L	1	50.0	<1.86	121	10 - 185
Iodomethane (methyl iodide)	[1]	58.9	µg/L	1	50.0	<0.397	118	80.9 - 112
Carbon Disulfide		50.3	µg/L	1	50.0	<0.354	101	73.7 - 120
Acrylonitrile		47.8	µg/L	1	50.0	<0.306	96	75.8 - 121
2-Butanone (MEK)	[2]	60.3	µg/L	1	50.0	<0.670	121	43.7 - 117
4-Methyl-2-pentanone (MIBK)		52.1	µg/L	1	50.0	<0.463	104	69.3 - 120
2-Hexanone		51.7	µg/L	1	50.0	<0.303	103	35.6 - 138
trans 1,4-Dichloro-2-butene		51.7	µg/L	1	50.0	<0.407	103	40 - 128
1,1-Dichloroethene		47.0	µg/L	1	50.0	<0.326	94	83.4 - 114
Methylene chloride		44.7	µg/L	1	50.0	<0.375	89	62.6 - 119
MTBE		47.0	µg/L	1	50.0	<0.352	94	70 - 132
trans-1,2-Dichloroethene		46.8	µg/L	1	50.0	<0.322	94	83.3 - 114
1,1-Dichloroethane		47.1	µg/L	1	50.0	<0.324	94	81 - 124
cis-1,2-Dichloroethene		47.6	µg/L	1	50.0	<0.331	95	83.8 - 115
2,2-Dichloropropane		49.9	µg/L	1	50.0	<0.440	100	37.9 - 136
1,2-Dichloroethane (EDC)		42.7	µg/L	1	50.0	<0.327	85	67.8 - 131

continued ...

[1]Spike recovery out of control limits. Concentration biased high. •
[2]Spike recovery out of control limits. Concentration biased high. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloroform	46.6	µg/L	1	50.0	<0.345	93	75.1 - 125
1,1,1-Trichloroethane	47.6	µg/L	1	50.0	<0.303	95	72.9 - 123
1,1-Dichloropropene	47.2	µg/L	1	50.0	<0.356	94	85.9 - 119
Benzene	47.7	µg/L	1	50.0	<0.356	95	83.5 - 115
Carbon Tetrachloride	51.8	µg/L	1	50.0	<0.342	104	62.7 - 144
1,2-Dichloropropane	47.0	µg/L	1	50.0	<0.366	94	88.8 - 114
Trichloroethene (TCE)	51.5	µg/L	1	50.0	<0.434	103	91.3 - 111
Dibromomethane (methylene bromide)	50.5	µg/L	1	50.0	<0.406	101	84.2 - 118
Bromodichloromethane	48.1	µg/L	1	50.0	<0.325	96	79.5 - 127
2-Chloroethyl vinyl ether	47.6	µg/L	1	50.0	<0.366	95	75.1 - 128
cis-1,3-Dichloropropene	52.0	µg/L	1	50.0	<0.387	104	83.2 - 119
trans-1,3-Dichloropropene	51.9	µg/L	1	50.0	<0.367	104	77.4 - 126
Toluene	46.1	µg/L	1	50.0	<0.366	92	82 - 110
1,1,2-Trichloroethane	45.8	µg/L	1	50.0	<0.397	92	77 - 123
1,3-Dichloropropane	45.6	µg/L	1	50.0	<0.355	91	81.1 - 124
Dibromochloromethane	52.1	µg/L	1	50.0	<0.315	104	79 - 129
1,2-Dibromoethane (EDB)	50.2	µg/L	1	50.0	<0.340	100	78.6 - 126
Tetrachloroethene (PCE)	50.4	µg/L	1	50.0	<0.355	101	36.7 - 173
Chlorobenzene	46.7	µg/L	1	50.0	<0.363	93	87.9 - 109
1,1,1,2-Tetrachloroethane	49.5	µg/L	1	50.0	<0.338	99	80.5 - 125
Ethylbenzene	46.1	µg/L	1	50.0	<0.350	92	82.4 - 116
m,p-Xylene	92.2	µg/L	1	100	<0.752	92	80 - 119
Bromoform	59.6	µg/L	1	50.0	<0.275	119	75.8 - 132
Styrene	54.2	µg/L	1	50.0	<0.395	108	84.2 - 117
o-Xylene	47.1	µg/L	1	50.0	<0.375	94	82.1 - 119
1,1,2,2-Tetrachloroethane	46.0	µg/L	1	50.0	<0.283	92	69.7 - 124
2-Chlorotoluene	44.7	µg/L	1	50.0	<0.445	89	76.5 - 123
1,2,3-Trichloropropane	47.3	µg/L	1	50.0	<0.430	95	66.3 - 130
Isopropylbenzene	46.5	µg/L	1	50.0	<0.521	93	78.3 - 123
Bromobenzene	44.7	µg/L	1	50.0	<0.494	89	79.9 - 122
n-Propylbenzene	43.7	µg/L	1	50.0	<0.483	87	72.6 - 122
1,3,5-Trimethylbenzene	46.0	µg/L	1	50.0	<0.487	92	69.6 - 127
tert-Butylbenzene	46.7	µg/L	1	50.0	<0.496	93	64 - 129
1,2,4-Trimethylbenzene	46.4	µg/L	1	50.0	<0.532	93	71 - 123
1,4-Dichlorobenzene (para)	45.7	µg/L	1	50.0	<0.413	91	74 - 118
sec-Butylbenzene	44.7	µg/L	1	50.0	<0.449	89	59.8 - 129
1,3-Dichlorobenzene (meta)	47.0	µg/L	1	50.0	<0.451	94	80.2 - 119
p-Isopropyltoluene	46.2	µg/L	1	50.0	<0.450	92	54.8 - 135
4-Chlorotoluene	45.4	µg/L	1	50.0	<0.489	91	78.9 - 124
1,2-Dichlorobenzene (ortho)	48.6	µg/L	1	50.0	<0.438	97	80 - 120
n-Butylbenzene	44.0	µg/L	1	50.0	<0.461	88	51.1 - 136
1,2-Dibromo-3-chloropropane	51.4	µg/L	1	50.0	<0.532	103	38.2 - 151
1,2,3-Trichlorobenzene	62.8	µg/L	1	50.0	<0.288	126	25.4 - 158
1,2,4-Trichlorobenzene	52.4	µg/L	1	50.0	<0.273	105	38.2 - 140
Naphthalene	64.8	µg/L	1	50.0	<0.299	130	33.3 - 152
Hexachlorobutadiene	49.9	µg/L	1	50.0	<0.483	100	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	52.2	μg/L	1	50.0	<0.351	104	85.7 - 113	1	20
Dichlorodifluoromethane	49.5	μg/L	1	50.0	<0.306	99	60.3 - 134	0	20
Chloromethane (methyl chloride)	42.6	μg/L	1	50.0	<0.240	85	72 - 120	1	20
Vinyl Chloride	45.7	μg/L	1	50.0	<0.224	91	64.4 - 132	1	20
Bromomethane (methyl bromide)	53.8	μg/L	1	50.0	<0.325	108	65.9 - 133	1	20
Chloroethane	44.1	μg/L	1	50.0	<0.303	88	65.3 - 132	0	20
Trichlorofluoromethane	49.9	μg/L	1	50.0	<0.255	100	52.7 - 159	2	20
Acetone	57.1	μg/L	1	50.0	<1.86	114	10 - 185	5	20
Iodomethane (methyl iodide) [3]	60.1	μg/L	1	50.0	<0.397	120	80.9 - 112	2	20
Carbon Disulfide	51.2	μg/L	1	50.0	<0.354	102	73.7 - 120	2	20
Acrylonitrile	49.1	μg/L	1	50.0	<0.306	98	75.8 - 121	3	20
2-Butanone (MEK) [4]	59.8	μg/L	1	50.0	<0.670	120	43.7 - 117	1	20
4-Methyl-2-pentanone (MIBK)	54.8	μg/L	1	50.0	<0.463	110	69.3 - 120	5	20
2-Hexanone	50.8	μg/L	1	50.0	<0.303	102	35.6 - 138	2	20
trans 1,4-Dichloro-2-butene	52.0	μg/L	1	50.0	<0.407	104	40 - 128	1	20
1,1-Dichloroethene	47.4	μg/L	1	50.0	<0.326	95	83.4 - 114	1	20
Methylene chloride	45.5	μg/L	1	50.0	<0.375	91	62.6 - 119	2	20
MTBE	47.5	μg/L	1	50.0	<0.352	95	70 - 132	1	20
trans-1,2-Dichloroethene	47.2	μg/L	1	50.0	<0.322	94	83.3 - 114	1	20
1,1-Dichloroethane	47.8	μg/L	1	50.0	<0.324	96	81 - 124	2	20
cis-1,2-Dichloroethene	48.4	μg/L	1	50.0	<0.331	97	83.8 - 115	2	20
2,2-Dichloropropane	49.6	μg/L	1	50.0	<0.440	99	37.9 - 136	1	20
1,2-Dichloroethane (EDC)	43.3	μg/L	1	50.0	<0.327	87	67.8 - 131	1	20
Chloroform	46.9	μg/L	1	50.0	<0.345	94	75.1 - 125	1	20
1,1,1-Trichloroethane	47.9	μg/L	1	50.0	<0.303	96	72.9 - 123	1	20
1,1-Dichloropropene	48.1	μg/L	1	50.0	<0.356	96	85.9 - 119	2	20
Benzene	48.2	μg/L	1	50.0	<0.356	96	83.5 - 115	1	20
Carbon Tetrachloride	52.5	μg/L	1	50.0	<0.342	105	62.7 - 144	1	20
1,2-Dichloropropane	47.3	μg/L	1	50.0	<0.366	95	88.8 - 114	1	20
Trichloroethene (TCE)	52.0	μg/L	1	50.0	<0.434	104	91.3 - 111	1	20
Dibromomethane (methylene bromide)	50.9	μg/L	1	50.0	<0.406	102	84.2 - 118	1	20
Bromodichloromethane	48.8	μg/L	1	50.0	<0.325	98	79.5 - 127	1	20
2-Chloroethyl vinyl ether	47.9	μg/L	1	50.0	<0.366	96	75.1 - 128	1	20
cis-1,3-Dichloropropene	52.6	μg/L	1	50.0	<0.387	105	83.2 - 119	1	20
trans-1,3-Dichloropropene	52.9	μg/L	1	50.0	<0.367	106	77.4 - 126	2	20
Toluene	46.5	μg/L	1	50.0	<0.366	93	82 - 110	1	20
1,1,2-Trichloroethane	46.4	μg/L	1	50.0	<0.397	93	77 - 123	1	20
1,3-Dichloropropane	46.1	μg/L	1	50.0	<0.355	92	81.1 - 124	1	20
Dibromochloromethane	52.6	μg/L	1	50.0	<0.315	105	79 - 129	1	20
1,2-Dibromoethane (EDB)	51.0	μg/L	1	50.0	<0.340	102	78.6 - 126	2	20
Tetrachloroethene (PCE)	51.2	μg/L	1	50.0	<0.355	102	36.7 - 173	2	20
Chlorobenzene	47.3	μg/L	1	50.0	<0.363	95	87.9 - 109	1	20
1,1,1,2-Tetrachloroethane	49.8	μg/L	1	50.0	<0.338	100	80.5 - 125	1	20
Ethylbenzene	46.5	μg/L	1	50.0	<0.350	93	82.4 - 116	1	20
m,p-Xylene	92.9	μg/L	1	100	<0.752	93	80 - 119	1	20

continued ...

[3] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[4] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromoform	60.7	µg/L	1	50.0	<0.275	121	75.8 - 132	2	20
Styrene	54.4	µg/L	1	50.0	<0.395	109	84.2 - 117	0	20
o-Xylene	47.2	µg/L	1	50.0	<0.375	94	82.1 - 119	0	20
1,1,2,2-Tetrachloroethane	46.8	µg/L	1	50.0	<0.283	94	69.7 - 124	2	20
2-Chlorotoluene	45.1	µg/L	1	50.0	<0.445	90	76.5 - 123	1	20
1,2,3-Trichloropropane	47.4	µg/L	1	50.0	<0.430	95	66.3 - 130	0	20
Isopropylbenzene	46.9	µg/L	1	50.0	<0.521	94	78.3 - 123	1	20
Bromobenzene	44.9	µg/L	1	50.0	<0.494	90	79.9 - 122	0	20
n-Propylbenzene	44.0	µg/L	1	50.0	<0.483	88	72.6 - 122	1	20
1,3,5-Trimethylbenzene	46.1	µg/L	1	50.0	<0.487	92	69.6 - 127	0	20
tert-Butylbenzene	47.1	µg/L	1	50.0	<0.496	94	64 - 129	1	20
1,2,4-Trimethylbenzene	46.9	µg/L	1	50.0	<0.532	94	71 - 123	1	20
1,4-Dichlorobenzene (para)	45.9	µg/L	1	50.0	<0.413	92	74 - 118	0	20
sec-Butylbenzene	45.1	µg/L	1	50.0	<0.449	90	59.8 - 129	1	20
1,3-Dichlorobenzene (meta)	47.5	µg/L	1	50.0	<0.451	95	80.2 - 119	1	20
p-Isopropyltoluene	46.6	µg/L	1	50.0	<0.450	93	54.8 - 135	1	20
4-Chlorotoluene	45.9	µg/L	1	50.0	<0.489	92	78.9 - 124	1	20
1,2-Dichlorobenzene (ortho)	49.1	µg/L	1	50.0	<0.438	98	80 - 120	1	20
n-Butylbenzene	44.1	µg/L	1	50.0	<0.461	88	51.1 - 136	0	20
1,2-Dibromo-3-chloropropane	52.0	µg/L	1	50.0	<0.532	104	38.2 - 151	1	20
1,2,3-Trichlorobenzene	64.3	µg/L	1	50.0	<0.288	129	25.4 - 158	2	20
1,2,4-Trichlorobenzene	53.9	µg/L	1	50.0	<0.273	108	38.2 - 140	3	20
Naphthalene	66.5	µg/L	1	50.0	<0.299	133	33.3 - 152	3	20
Hexachlorobutadiene	50.6	µg/L	1	50.0	<0.483	101	49.1 - 134	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	47.6	47.7	µg/L	1	50.0	95	95	82.4 - 115
Toluene-d8	46.9	46.7	µg/L	1	50.0	94	93	89.7 - 108
4-Bromofluorobenzene (4-BFB)	48.3	48.3	µg/L	1	50.0	97	97	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 39351 Date Analyzed: 2007-07-24 Analyzed By: DS
Prep Batch: 34068 QC Preparation: 2007-07-23 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.0103	mg/L	1	0.0800	0	13	10 - 46.1
2-Chlorophenol	0.0266	mg/L	1	0.0800	0	33	10 - 123
1,4-Dichlorobenzene (para)	0.0376	mg/L	1	0.0800	0	47	10 - 118
N-Nitrosodi-n-propylamine	0.0783	mg/L	1	0.0800	0	98	10 - 132
1,2,4-Trichlorobenzene	0.0422	mg/L	1	0.0800	0	53	10 - 130
Naphthalene	0.0448	mg/L	1	0.0800	0	56	20.3 - 121
4-Chloro-3-methylphenol	0.0322	mg/L	1	0.0800	0	40	10 - 140
Acenaphthylene	0.0608	mg/L	1	0.0800	0	76	22.3 - 124
Acenaphthene	0.0561	mg/L	1	0.0800	0	70	18.8 - 134
Dibenzofuran	0.0597	mg/L	1	0.0800	0	75	37.5 - 102

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
4-Nitrophenol [5]	0.00646	mg/L	1	0.0800	0	8	10 - 135
2,4-Dinitrotoluene	0.0666	mg/L	1	0.0800	0	83	13.6 - 152
Fluorene	0.0586	mg/L	1	0.0800	0	73	29.7 - 114
Pentachlorophenol	0.0234	mg/L	1	0.0800	0	29	10 - 144
Anthracene	0.0662	mg/L	1	0.0800	0	83	48.2 - 118
Phenanthrene	0.0656	mg/L	1	0.0800	0	82	45.5 - 121
Fluoranthene	0.0709	mg/L	1	0.0800	0	89	42.7 - 126
Pyrene	0.0614	mg/L	1	0.0800	0	77	26.8 - 155
Benzo(a)anthracene	0.0620	mg/L	1	0.0800	0	78	60.2 - 97.3
Chrysene	0.0639	mg/L	1	0.0800	0	80	56 - 92.4
Benzo(b)fluoranthene	0.0603	mg/L	1	0.0800	0	75	73.9 - 102
Benzo(k)fluoranthene	0.0650	mg/L	1	0.0800	0	81	45.6 - 143
Benzo(a)pyrene	0.0682	mg/L	1	0.0800	0	85	54.8 - 122
Indeno(1,2,3-cd)pyrene	0.0723	mg/L	1	0.0800	0	90	61.4 - 118
Dibenzo(a,h)anthracene	0.0705	mg/L	1	0.0800	0	88	64.9 - 118
Benzo(g,h,i)perylene	0.0700	mg/L	1	0.0800	0	88	46.8 - 129

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.0102	mg/L	1	0.0800	0	13	10 - 46.1	1	20
2-Chlorophenol	0.0266	mg/L	1	0.0800	0	33	10 - 123	0	20
1,4-Dichlorobenzene (para)	0.0374	mg/L	1	0.0800	0	47	10 - 118	0	20
N-Nitrosodi-n-propylamine	0.0795	mg/L	1	0.0800	0	99	10 - 132	2	20
1,2,4-Trichlorobenzene	0.0417	mg/L	1	0.0800	0	52	10 - 130	1	20
Naphthalene	0.0445	mg/L	1	0.0800	0	56	20.3 - 121	1	20
4-Chloro-3-methylphenol	0.0322	mg/L	1	0.0800	0	40	10 - 140	0	20
Acenaphthylene	0.0609	mg/L	1	0.0800	0	76	22.3 - 124	0	20
Acenaphthene	0.0560	mg/L	1	0.0800	0	70	18.8 - 134	0	20
Dibenzofuran	0.0594	mg/L	1	0.0800	0	74	37.5 - 102	0	20
4-Nitrophenol [6]	0.00624	mg/L	1	0.0800	0	8	10 - 135	4	20
2,4-Dinitrotoluene	0.0651	mg/L	1	0.0800	0	81	13.6 - 152	2	20
Fluorene	0.0577	mg/L	1	0.0800	0	72	29.7 - 114	2	20
Pentachlorophenol	0.0228	mg/L	1	0.0800	0	28	10 - 144	3	20
Anthracene	0.0658	mg/L	1	0.0800	0	82	48.2 - 118	1	20
Phenanthrene	0.0655	mg/L	1	0.0800	0	82	45.5 - 121	0	20
Fluoranthene	0.0706	mg/L	1	0.0800	0	88	42.7 - 126	0	20
Pyrene	0.0613	mg/L	1	0.0800	0	77	26.8 - 155	0	20
Benzo(a)anthracene	0.0619	mg/L	1	0.0800	0	77	60.2 - 97.3	0	20
Chrysene	0.0636	mg/L	1	0.0800	0	80	56 - 92.4	0	20
Benzo(b)fluoranthene	0.0599	mg/L	1	0.0800	0	75	73.9 - 102	1	20
Benzo(k)fluoranthene	0.0640	mg/L	1	0.0800	0	80	45.6 - 143	2	20
Benzo(a)pyrene	0.0682	mg/L	1	0.0800	0	85	54.8 - 122	0	20
Indeno(1,2,3-cd)pyrene	0.0717	mg/L	1	0.0800	0	90	61.4 - 118	1	20
Dibenzo(a,h)anthracene	0.0700	mg/L	1	0.0800	0	88	64.9 - 118	1	20
Benzo(g,h,i)perylene	0.0692	mg/L	1	0.0800	0	86	46.8 - 129	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[5] 4-Nitrophenol out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •
[6] 4-Nitrophenol out of control limits for LCS/LCSD. Majority of analytes within range show process is within control. •

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0144	0.0141	mg/L	1	0.0800	18	18	10 - 109
Phenol-d5	0.0115	0.0114	mg/L	1	0.0800	14	14	10 - 61.5
Nitrobenzene-d5	0.0630	0.0626	mg/L	1	0.0800	79	78	10 - 139
2-Fluorobiphenyl	0.0598	0.0595	mg/L	1	0.0800	75	74	10 - 139
2,4,6-Tribromophenol	0.0394	0.0387	mg/L	1	0.0800	49	48	10 - 161
Terphenyl-d14	0.0750	0.0752	mg/L	1	0.0800	94	94	10 - 144

Matrix Spike (MS-1) Spiked Sample: 130278

QC Batch: 39220 Date Analyzed: 2007-07-18 Analyzed By: TG
Prep Batch: 33942 QC Preparation: 2007-07-18 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO [7]	29.3	mg/L	1	25.0	<1.06	117	61.9 - 112.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	25.1	mg/L	1	25.0	<1.06	100	61.9 - 112.2	15	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	22.9	22.9	mg/L	1	15	153	153	40.7 - 174

Matrix Spike (MS-1) Spiked Sample: 130278

QC Batch: 39228 Date Analyzed: 2007-07-18 Analyzed By: JG
Prep Batch: 33949 QC Preparation: 2007-07-18 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	55.7	µg/L	1	50.0	<0.0699	111	82.5 - 118
Dichlorodifluoromethane	57.0	µg/L	1	50.0	<0.0598	114	46.8 - 125
Chloromethane (methyl chloride)	51.2	µg/L	1	50.0	<0.230	102	67.1 - 127
Vinyl Chloride	54.7	µg/L	1	50.0	<0.0902	109	63.7 - 129
Bromomethane (methyl bromide)	61.5	µg/L	1	50.0	<0.740	123	65.7 - 127
Chloroethane	50.7	µg/L	1	50.0	<0.195	101	69.9 - 131
Trichlorofluoromethane	54.4	µg/L	1	50.0	<0.160	109	60.2 - 134
Acetone	46.3	µg/L	1	50.0	<0.854	93	12.1 - 136
Iodomethane (methyl iodide) [8]	61.9	µg/L	1	50.0	<0.112	124	75.7 - 115
Carbon Disulfide	57.3	µg/L	1	50.0	<0.0764	115	67.6 - 131
Acrylonitrile	53.3	µg/L	1	50.0	<0.184	107	79.9 - 131
2-Butanone (MEK)	53.4	µg/L	1	50.0	<0.394	107	28.7 - 137
4-Methyl-2-pentanone (MIBK)	55.2	µg/L	1	50.0	<0.484	110	77.1 - 122

continued . . .

[7] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[8] Spike recovery out of control limits. Concentration biased high. •

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
2-Hexanone	52.9	µg/L	1	50.0	<0.0975	106	42.3 - 145
trans 1,4-Dichloro-2-butene	52.3	µg/L	1	50.0	<0.421	105	38.5 - 122
1,1-Dichloroethene	52.1	µg/L	1	50.0	<0.0736	104	78.7 - 119
Methylene chloride	49.2	µg/L	1	50.0	<0.689	98	64.9 - 121
MTBE	51.7	µg/L	1	50.0	<0.0504	103	46.6 - 162
trans-1,2-Dichloroethene	52.1	µg/L	1	50.0	<0.0598	104	75.1 - 119
1,1-Dichloroethane	53.7	µg/L	1	50.0	<0.0299	107	86.3 - 119
cis-1,2-Dichloroethene	52.8	µg/L	1	50.0	<0.101	106	82.6 - 116
2,2-Dichloropropane	43.0	µg/L	1	50.0	<0.0665	86	7.8 - 109
1,2-Dichloroethane (EDC)	50.1	µg/L	1	50.0	<0.0557	100	82.7 - 130
Chloroform	52.9	µg/L	1	50.0	<0.0475	106	83.6 - 119
1,1,1-Trichloroethane	52.3	µg/L	1	50.0	<0.0846	105	69.6 - 126
1,1-Dichloropropene	51.8	µg/L	1	50.0	<0.0423	104	79.2 - 121
Benzene	53.9	µg/L	1	50.0	<0.0495	108	75.8 - 125
Carbon Tetrachloride	54.3	µg/L	1	50.0	<0.121	109	58.7 - 143
1,2-Dichloropropane	51.3	µg/L	1	50.0	<0.0933	103	88.4 - 117
Trichloroethene (TCE)	52.3	µg/L	1	50.0	<0.0495	105	83.6 - 112
Dibromomethane (methylene bromide)	54.0	µg/L	1	50.0	<0.0640	108	90.7 - 117
Bromodichloromethane	51.6	µg/L	1	50.0	<0.0651	103	83.4 - 127
2-Chloroethyl vinyl ether	52.0	µg/L	1	50.0	<0.0905	104	10 - 211
cis-1,3-Dichloropropene	53.0	µg/L	1	50.0	<0.0640	106	78.6 - 113
trans-1,3-Dichloropropene	54.8	µg/L	1	50.0	<0.0504	110	81.8 - 113
Toluene	55.0	µg/L	1	50.0	<0.0736	110	81.6 - 115
1,1,2-Trichloroethane	49.4	µg/L	1	50.0	<0.106	99	83.2 - 122
1,3-Dichloropropane	50.5	µg/L	1	50.0	<0.0625	101	87.3 - 123
Dibromochloromethane	53.0	µg/L	1	50.0	<0.0791	106	81.4 - 130
1,2-Dibromoethane (EDB)	52.5	µg/L	1	50.0	<0.0460	105	91.4 - 118
Tetrachloroethene (PCE)	50.3	µg/L	1	50.0	<0.0696	101	51.8 - 111
Chlorobenzene	49.0	µg/L	1	50.0	<0.0217	98	83.9 - 113
1,1,1,2-Tetrachloroethane	51.8	µg/L	1	50.0	<0.125	104	79.5 - 127
Ethylbenzene	50.3	µg/L	1	50.0	<0.0566	101	75.4 - 121
m,p-Xylene	101	µg/L	1	100	<0.0363	101	74 - 124
Bromoform	59.6	µg/L	1	50.0	<0.0859	119	77.5 - 134
Styrene	57.5	µg/L	1	50.0	<0.0394	115	10 - 180
o-Xylene	51.7	µg/L	1	50.0	<0.0504	103	75.4 - 126
1,1,2,2-Tetrachloroethane	49.4	µg/L	1	50.0	<0.0672	99	86.4 - 122
2-Chlorotoluene	47.7	µg/L	1	50.0	<0.0283	95	69.2 - 128
1,2,3-Trichloropropane	48.5	µg/L	1	50.0	<0.0679	97	75.8 - 121
Isopropylbenzene	48.3	µg/L	1	50.0	<0.0406	97	69.6 - 127
Bromobenzene	47.8	µg/L	1	50.0	<0.103	96	77.1 - 125
n-Propylbenzene	46.6	µg/L	1	50.0	<0.0423	93	67.1 - 125
1,3,5-Trimethylbenzene	48.0	µg/L	1	50.0	<0.0557	96	66.1 - 126
tert-Butylbenzene	48.3	µg/L	1	50.0	<0.0770	97	63.9 - 126
1,2,4-Trimethylbenzene	48.8	µg/L	1	50.0	<0.0336	98	65 - 123
1,4-Dichlorobenzene (para)	46.6	µg/L	1	50.0	<0.0672	93	66.7 - 119
sec-Butylbenzene	46.7	µg/L	1	50.0	<0.0439	93	57.6 - 127
1,3-Dichlorobenzene (meta)	48.4	µg/L	1	50.0	<0.0672	97	78.8 - 118
p-Isopropyltoluene	47.6	µg/L	1	50.0	<0.0513	95	56.6 - 128
4-Chlorotoluene	47.9	µg/L	1	50.0	<0.0460	96	74 - 127
1,2-Dichlorobenzene (ortho)	49.6	µg/L	1	50.0	<0.0629	99	81.2 - 119

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
n-Butylbenzene	46.0	µg/L	1	50.0	<0.0400	92	50.4 - 130
1,2-Dibromo-3-chloropropane	48.4	µg/L	1	50.0	<0.538	97	55.7 - 152
1,2,3-Trichlorobenzene	49.7	µg/L	1	50.0	<0.504	99	32.6 - 149
1,2,4-Trichlorobenzene	48.0	µg/L	1	50.0	<0.166	96	35.8 - 144
Naphthalene	52.4	µg/L	1	50.0	<0.417	105	36.7 - 156
Hexachlorobutadiene	46.1	µg/L	1	50.0	<0.176	92	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	54.5	µg/L	1	50.0	<0.0699	109	82.5 - 118	2	20
Dichlorodifluoromethane	52.2	µg/L	1	50.0	<0.0598	104	46.8 - 125	9	20
Chloromethane (methyl chloride)	48.5	µg/L	1	50.0	<0.230	97	67.1 - 127	5	20
Vinyl Chloride	51.6	µg/L	1	50.0	<0.0902	103	63.7 - 129	6	20
Bromomethane (methyl bromide)	59.0	µg/L	1	50.0	<0.740	118	65.7 - 127	4	20
Chloroethane	48.2	µg/L	1	50.0	<0.195	96	69.9 - 131	5	20
Trichlorofluoromethane	52.7	µg/L	1	50.0	<0.160	105	60.2 - 134	3	20
Acetone	45.6	µg/L	1	50.0	<0.854	91	12.1 - 136	2	20
Iodomethane (methyl iodide) [9]	60.5	µg/L	1	50.0	<0.112	121	75.7 - 115	2	20
Carbon Disulfide	55.6	µg/L	1	50.0	<0.0764	111	67.6 - 131	3	20
Acrylonitrile	52.6	µg/L	1	50.0	<0.184	105	79.9 - 131	1	20
2-Butanone (MEK)	52.9	µg/L	1	50.0	<0.394	106	28.7 - 137	1	20
4-Methyl-2-pentanone (MIBK)	55.6	µg/L	1	50.0	<0.484	111	77.1 - 122	1	20
2-Hexanone	52.4	µg/L	1	50.0	<0.0975	105	42.3 - 145	1	20
trans 1,4-Dichloro-2-butene	51.5	µg/L	1	50.0	<0.421	103	38.5 - 122	2	20
1,1-Dichloroethene	50.5	µg/L	1	50.0	<0.0736	101	78.7 - 119	3	20
Methylene chloride	47.4	µg/L	1	50.0	<0.689	95	64.9 - 121	4	20
MTBE	51.1	µg/L	1	50.0	<0.0504	102	46.6 - 162	1	20
trans-1,2-Dichloroethene	50.5	µg/L	1	50.0	<0.0598	101	75.1 - 119	3	20
1,1-Dichloroethane	52.3	µg/L	1	50.0	<0.0299	105	86.3 - 119	3	20
cis-1,2-Dichloroethene	51.7	µg/L	1	50.0	<0.101	103	82.6 - 116	2	20
2,2-Dichloropropane	40.9	µg/L	1	50.0	<0.0665	82	7.8 - 109	5	20
1,2-Dichloroethane (EDC)	48.8	µg/L	1	50.0	<0.0557	98	82.7 - 130	3	20
Chloroform	51.6	µg/L	1	50.0	<0.0475	103	83.6 - 119	2	20
1,1,1-Trichloroethane	51.3	µg/L	1	50.0	<0.0846	103	69.6 - 126	2	20
1,1-Dichloropropene	51.2	µg/L	1	50.0	<0.0423	102	79.2 - 121	1	20
Benzene	51.6	µg/L	1	50.0	<0.0495	103	75.8 - 125	4	20
Carbon Tetrachloride	54.0	µg/L	1	50.0	<0.121	108	58.7 - 143	1	20
1,2-Dichloropropane	51.0	µg/L	1	50.0	<0.0933	102	88.4 - 117	1	20
Trichloroethene (TCE)	52.4	µg/L	1	50.0	<0.0495	105	83.6 - 112	0	20
Dibromomethane (methylene bromide)	53.9	µg/L	1	50.0	<0.0640	108	90.7 - 117	0	20
Bromodichloromethane	51.7	µg/L	1	50.0	<0.0651	103	83.4 - 127	0	20
2-Chloroethyl vinyl ether	51.7	µg/L	1	50.0	<0.0905	103	10 - 211	1	20
cis-1,3-Dichloropropene	53.5	µg/L	1	50.0	<0.0640	107	78.6 - 113	1	20
trans-1,3-Dichloropropene	53.6	µg/L	1	50.0	<0.0504	107	81.8 - 113	2	20
Toluene	49.6	µg/L	1	50.0	<0.0736	99	81.6 - 115	10	20
1,1,2-Trichloroethane	48.7	µg/L	1	50.0	<0.106	97	83.2 - 122	1	20
1,3-Dichloropropane	49.6	µg/L	1	50.0	<0.0625	99	87.3 - 123	2	20
Dibromochloromethane	53.2	µg/L	1	50.0	<0.0791	106	81.4 - 130	0	20

continued . . .

[9] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly. •

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2-Dibromoethane (EDB)	52.0	µg/L	1	50.0	<0.0460	104	91.4 - 118	1	20
Tetrachloroethene (PCE)	50.1	µg/L	1	50.0	<0.0696	100	51.8 - 111	0	20
Chlorobenzene	48.3	µg/L	1	50.0	<0.0217	97	83.9 - 113	1	20
1,1,1,2-Tetrachloroethane	51.2	µg/L	1	50.0	<0.125	102	79.5 - 127	1	20
Ethylbenzene	48.9	µg/L	1	50.0	<0.0566	98	75.4 - 121	3	20
m,p-Xylene	98.0	µg/L	1	100	<0.0363	98	74 - 124	3	20
Bromoform	60.4	µg/L	1	50.0	<0.0859	121	77.5 - 134	1	20
Styrene	56.4	µg/L	1	50.0	<0.0394	113	10 - 180	2	20
o-Xylene	50.0	µg/L	1	50.0	<0.0504	100	75.4 - 126	3	20
1,1,2,2-Tetrachloroethane	49.0	µg/L	1	50.0	<0.0672	98	86.4 - 122	1	20
2-Chlorotoluene	47.7	µg/L	1	50.0	<0.0283	95	69.2 - 128	0	20
1,2,3-Trichloropropane	49.1	µg/L	1	50.0	<0.0679	98	75.8 - 121	1	20
Isopropylbenzene	48.4	µg/L	1	50.0	<0.0406	97	69.6 - 127	0	20
Bromobenzene	47.7	µg/L	1	50.0	<0.103	95	77.1 - 125	0	20
n-Propylbenzene	46.5	µg/L	1	50.0	<0.0423	93	67.1 - 125	0	20
1,3,5-Trimethylbenzene	47.9	µg/L	1	50.0	<0.0557	96	66.1 - 126	0	20
tert-Butylbenzene	48.2	µg/L	1	50.0	<0.0770	96	63.9 - 126	0	20
1,2,4-Trimethylbenzene	48.4	µg/L	1	50.0	<0.0336	97	65 - 123	1	20
1,4-Dichlorobenzene (para)	47.1	µg/L	1	50.0	<0.0672	94	66.7 - 119	1	20
sec-Butylbenzene	46.7	µg/L	1	50.0	<0.0439	93	57.6 - 127	0	20
1,3-Dichlorobenzene (meta)	48.3	µg/L	1	50.0	<0.0672	97	78.8 - 118	0	20
p-Isopropyltoluene	47.9	µg/L	1	50.0	<0.0513	96	56.6 - 128	1	20
4-Chlorotoluene	48.1	µg/L	1	50.0	<0.0460	96	74 - 127	0	20
1,2-Dichlorobenzene (ortho)	49.9	µg/L	1	50.0	<0.0629	100	81.2 - 119	1	20
n-Butylbenzene	46.2	µg/L	1	50.0	<0.0400	92	50.4 - 130	0	20
1,2-Dibromo-3-chloropropane	53.0	µg/L	1	50.0	<0.538	106	55.7 - 152	9	20
1,2,3-Trichlorobenzene	60.5	µg/L	1	50.0	<0.504	121	32.6 - 149	20	20
1,2,4-Trichlorobenzene	51.9	µg/L	1	50.0	<0.166	104	35.8 - 144	8	20
Naphthalene	63.7	µg/L	1	50.0	<0.417	127	36.7 - 156	20	20
Hexachlorobutadiene	48.3	µg/L	1	50.0	<0.176	97	39.6 - 125	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	51.9	50.3	µg/L	1	50	104	101	86.6 - 114
Toluene-d8	49.8	48.1	µg/L	1	50	100	96	91 - 109
4-Bromofluorobenzene (4-BFB)	51.1	49.5	µg/L	1	50	102	99	87.2 - 113

Standard (ICV-1)

QC Batch: 39220 Date Analyzed: 2007-07-18 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	251	100	85 - 115	2007-07-18

Standard (CCV-1)

QC Batch: 39220 Date Analyzed: 2007-07-18 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	244	98	85 - 115	2007-07-18

Standard (CCV-1)

QC Batch: 39228 Date Analyzed: 2007-07-18 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	49.2	98	70 - 130	2007-07-18
Dichlorodifluoromethane		µg/L	50.0	48.4	97	70 - 130	2007-07-18
Chloromethane (methyl chloride)		µg/L	50.0	41.6	83	70 - 130	2007-07-18
Vinyl Chloride		µg/L	50.0	44.9	90	80 - 120	2007-07-18
Bromomethane (methyl bromide)		µg/L	50.0	52.8	106	70 - 130	2007-07-18
Chloroethane		µg/L	50.0	42.9	86	70 - 130	2007-07-18
Trichlorofluoromethane		µg/L	50.0	48.2	96	70 - 130	2007-07-18
Acetone		µg/L	50.0	41.3	83	70 - 130	2007-07-18
Iodomethane (methyl iodide)		µg/L	50.0	57.1	114	70 - 130	2007-07-18
Carbon Disulfide		µg/L	50.0	49.1	98	70 - 130	2007-07-18
Acrylonitrile		µg/L	50.0	44.8	90	70 - 130	2007-07-18
2-Butanone (MEK)		µg/L	50.0	47.7	95	70 - 130	2007-07-18
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	50.1	100	70 - 130	2007-07-18
2-Hexanone		µg/L	50.0	43.4	87	70 - 130	2007-07-18
trans 1,4-Dichloro-2-butene		µg/L	50.0	48.9	98	70 - 130	2007-07-18
1,1-Dichloroethene		µg/L	50.0	45.7	91	80 - 120	2007-07-18
Methylene chloride		µg/L	50.0	43.8	88	70 - 130	2007-07-18
MTBE		µg/L	50.0	45.1	90	70 - 130	2007-07-18
trans-1,2-Dichloroethene		µg/L	50.0	44.9	90	70 - 130	2007-07-18
1,1-Dichloroethane		µg/L	50.0	45.4	91	70 - 130	2007-07-18
cis-1,2-Dichloroethene		µg/L	50.0	46.1	92	70 - 130	2007-07-18
2,2-Dichloropropane		µg/L	50.0	49.1	98	70 - 130	2007-07-18
1,2-Dichloroethane (EDC)		µg/L	50.0	41.0	82	70 - 130	2007-07-18
Chloroform		µg/L	50.0	44.8	90	80 - 120	2007-07-18
1,1,1-Trichloroethane		µg/L	50.0	45.5	91	70 - 130	2007-07-18
1,1-Dichloropropene		µg/L	50.0	46.1	92	70 - 130	2007-07-18
Benzene		µg/L	50.0	46.3	93	70 - 130	2007-07-18
Carbon Tetrachloride		µg/L	50.0	50.0	100	70 - 130	2007-07-18
1,2-Dichloropropane		µg/L	50.0	45.2	90	80 - 120	2007-07-18
Trichloroethene (TCE)		µg/L	50.0	49.7	99	70 - 130	2007-07-18
Dibromomethane (methylene bromide)		µg/L	50.0	48.8	98	70 - 130	2007-07-18
Bromodichloromethane		µg/L	50.0	46.7	93	70 - 130	2007-07-18
2-Chloroethyl vinyl ether		µg/L	50.0	45.8	92	70 - 130	2007-07-18
cis-1,3-Dichloropropene		µg/L	50.0	50.3	101	70 - 130	2007-07-18
trans-1,3-Dichloropropene		µg/L	50.0	50.4	101	70 - 130	2007-07-18
Toluene		µg/L	50.0	44.8	90	80 - 120	2007-07-18
1,1,2-Trichloroethane		µg/L	50.0	43.7	87	70 - 130	2007-07-18
1,3-Dichloropropane		µg/L	50.0	44.1	88	70 - 130	2007-07-18
Dibromochloromethane		µg/L	50.0	49.6	99	70 - 130	2007-07-18
1,2-Dibromoethane (EDB)		µg/L	50.0	48.2	96	70 - 130	2007-07-18

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Tetrachloroethene (PCE)		µg/L	50.0	48.8	98	70 - 130	2007-07-18
Chlorobenzene		µg/L	50.0	45.1	90	80 - 120	2007-07-18
1,1,1,2-Tetrachloroethane		µg/L	50.0	47.6	95	70 - 130	2007-07-18
Ethylbenzene		µg/L	50.0	45.0	90	80 - 120	2007-07-18
m,p-Xylene		µg/L	100	89.5	90	70 - 130	2007-07-18
Bromoform		µg/L	50.0	56.1	112	70 - 130	2007-07-18
Styrene		µg/L	50.0	52.2	104	70 - 130	2007-07-18
o-Xylene		µg/L	50.0	45.4	91	70 - 130	2007-07-18
1,1,2,2-Tetrachloroethane		µg/L	50.0	43.7	87	70 - 130	2007-07-18
2-Chlorotoluene		µg/L	50.0	43.4	87	70 - 130	2007-07-18
1,2,3-Trichloropropane		µg/L	50.0	45.0	90	70 - 130	2007-07-18
Isopropylbenzene		µg/L	50.0	44.9	90	70 - 130	2007-07-18
Bromobenzene		µg/L	50.0	43.2	86	70 - 130	2007-07-18
n-Propylbenzene		µg/L	50.0	42.4	85	70 - 130	2007-07-18
1,3,5-Trimethylbenzene		µg/L	50.0	44.2	88	70 - 130	2007-07-18
tert-Butylbenzene		µg/L	50.0	45.1	90	70 - 130	2007-07-18
1,2,4-Trimethylbenzene		µg/L	50.0	44.8	90	70 - 130	2007-07-18
1,4-Dichlorobenzene (para)		µg/L	50.0	43.8	88	70 - 130	2007-07-18
sec-Butylbenzene		µg/L	50.0	43.3	87	70 - 130	2007-07-18
1,3-Dichlorobenzene (meta)		µg/L	50.0	45.4	91	70 - 130	2007-07-18
p-Isopropyltoluene		µg/L	50.0	45.1	90	70 - 130	2007-07-18
4-Chlorotoluene		µg/L	50.0	43.7	87	70 - 130	2007-07-18
1,2-Dichlorobenzene (ortho)		µg/L	50.0	46.4	93	70 - 130	2007-07-18
n-Butylbenzene		µg/L	50.0	42.6	85	70 - 130	2007-07-18
1,2-Dibromo-3-chloropropane		µg/L	50.0	45.9	92	70 - 130	2007-07-18
1,2,3-Trichlorobenzene		µg/L	50.0	52.7	105	70 - 130	2007-07-18
1,2,4-Trichlorobenzene		µg/L	50.0	48.1	96	70 - 130	2007-07-18
Naphthalene		µg/L	50.0	51.9	104	70 - 130	2007-07-18
Hexachlorobutadiene		µg/L	50.0	48.2	96	70 - 130	2007-07-18

Standard (CCV-1)

QC Batch: 39351 Date Analyzed: 2007-07-24 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60.0	67.8	113	80 - 120	2007-07-24
1,4-Dichlorobenzene (para)		mg/L	60.0	59.8	100	80 - 120	2007-07-24
2-Nitrophenol		mg/L	60.0	63.9	106	80 - 120	2007-07-24
2,4-Dichlorophenol		mg/L	60.0	63.3	106	80 - 120	2007-07-24
Hexachlorobutadiene		mg/L	60.0	60.5	101	80 - 120	2007-07-24
4-Chloro-3-methylphenol		mg/L	60.0	57.5	96	80 - 120	2007-07-24
2,4,6-Trichlorophenol		mg/L	60.0	62.7	104	80 - 120	2007-07-24
Acenaphthene		mg/L	60.0	57.6	96	80 - 120	2007-07-24
Diphenylamine		mg/L	60.0	62.3	104	80 - 120	2007-07-24
Pentachlorophenol		mg/L	60.0	63.4	106	80 - 120	2007-07-24
Fluoranthene		mg/L	60.0	59.5	99	80 - 120	2007-07-24
Di-n-octylphthalate		mg/L	60.0	63.4	106	80 - 120	2007-07-24

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzo(a)pyrene		mg/L	60.0	61.1	102	80 - 120	2007-07-24

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		61.4	mg/L	1	60.0	102	80 - 120
Phenol-d5		64.0	mg/L	1	60.0	107	80 - 120
Nitrobenzene-d5		61.4	mg/L	1	60.0	102	80 - 120
2-Fluorobiphenyl		57.8	mg/L	1	60.0	96	80 - 120
2,4,6-Tribromophenol		67.8	mg/L	1	60.0	113	80 - 120
Terphenyl-d14		61.2	mg/L	1	60.0	102	80 - 120

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WES

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.

PROJECT NAME: POL ASTS

SAMPLER'S SIGNATURE

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH DRO	VOCs	SVOCs	REMARKS
7-17-07	1045	0213-CF-001-20.0	Soil	130271	1	X	X	X	
7-17-07	1050	0213-CF-002-15.0	Soil	272	1	X	X	X	
7-17-07	1055	0213-CF-003-15.0	Soil	273	1	X	X	X	
7-17-07	1045	0213-CF-101-20.0	Soil	274	1	X	X	X	
7-17-07	1210	0213-CF-004-15.0	Soil	275	1	X	X	X	
7-17-07	1230	0213-CF-005-15.0	Soil	276	1	X	X	X	
7-17-07	1300	0213-CF-006-20.0	Soil	277	1	X	X	X	
7-17-07	1315	0213-CF-EB-005-0707	Water	278	7	X	X	X	
7-17-07	1315	0213-TB-900-0707	Water	279	2		X		
		Temperature Blank	Water		1				Temperature Blank

130271 + 132274 label - lids do not match; assigned by jar label.

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS		(PRINTED NAME) GABRIEL GARCIA	(PRINTED NAME)	(PRINTED NAME) Sabrina Multer
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
	GOOD CONDITION/CHILLED	4°	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 07/18/07 930
VIA: Fed EX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: Rush on TPH DRO - 1 day verbal Brad Davis (505) 993-6890		

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - ...

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: July 25, 2007

Work Order: 7071819

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
130271	0213-CF-001-20.0	soil	2007-07-17	10:45	2007-07-18
130272	0213-CF-002-15.0	soil	2007-07-17	10:50	2007-07-18
130273	0213-CF-003-15.0	soil	2007-07-17	10:55	2007-07-18
130274	0213-CF-101-20.0	soil	2007-07-17	10:45	2007-07-18
130275	0213-CF-004-15.0	soil	2007-07-17	12:10	2007-07-18
130276	0213-CF-005-15.0	soil	2007-07-17	12:30	2007-07-18
130277	0213-CF-006-20.0	soil	2007-07-17	13:00	2007-07-18

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 52 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-18 and assigned to work order 7071819. Samples for work order 7071819 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C
TPH DRO	Mod. 8015B
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7071819 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 130271 - 0213-CF-001-20.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39273	Date Analyzed:	2007-07-19	Analyzed By:	DS
Prep Batch:	33993	Sample Preparation:	2007-07-19	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250

continued ...

sample 130271 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.38	mg/Kg	1	2.67	52	10 - 98.8
Phenol-d5		1.55	mg/Kg	1	2.67	58	10 - 105
Nitrobenzene-d5		1.68	mg/Kg	1	2.67	63	10 - 114
2-Fluorobiphenyl		1.70	mg/Kg	1	2.67	64	10 - 122
2,4,6-Tribromophenol		2.85	mg/Kg	1	2.67	107	10 - 117
Terphenyl-d14		2.41	mg/Kg	1	2.67	90	10 - 116

Sample: 130271 - 0213-CF-001-20.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39218	Date Analyzed:	2007-07-18	Analyzed By:	TG
Prep Batch:	33941	Sample Preparation:	2007-07-18	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[1]	252	mg/Kg	1	150	168	62.5 - 164

Sample: 130271 - 0213-CF-001-20.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39355	Date Analyzed:	2007-07-23	Analyzed By:	JG
Prep Batch:	34071	Sample Preparation:	2007-07-23	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0
Carbon Disulfide		<10.0	μg/Kg	1	10.0
Acrylonitrile		<10.0	μg/Kg	1	10.0
2-Butanone (MEK)		<50.0	μg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	μg/Kg	1	50.0
2-Hexanone		<50.0	μg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	μg/Kg	1	100
1,1-Dichloroethene		<10.0	μg/Kg	1	10.0
Methylene chloride		<50.0	μg/Kg	1	50.0
MTBE		<10.0	μg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
1,1-Dichloroethane		<10.0	μg/Kg	1	10.0

[1] High surrogate recovery. Sample non-detect, result bias high.

continued ...

sample 130271 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
cis-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
2,2-Dichloropropane		<10.0	μg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	1	10.0
Chloroform		<10.0	μg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	μg/Kg	1	10.0
1,1-Dichloropropene		<10.0	μg/Kg	1	10.0
Benzene		<10.0	μg/Kg	1	10.0
Carbon Tetrachloride		<10.0	μg/Kg	1	10.0
1,2-Dichloropropane		<10.0	μg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	μg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	μg/Kg	1	10.0
Bromodichloromethane		<10.0	μg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	μg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		448	μg/Kg	1	500	90	79.7 - 120
Toluene-d8		510	μg/Kg	1	500	102	86.8 - 107
4-Bromofluorobenzene (4-BFB)		509	μg/Kg	1	500	102	82.5 - 116

Sample: 130272 - 0213-CF-002-15.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39273	Date Analyzed:	2007-07-19	Analyzed By:	DS
Prep Batch:	33993	Sample Preparation:	2007-07-19	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250

continued ...

sample 130272 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250

continued . . .

sample 130272 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.14	mg/Kg	1	2.67	43	10 - 98.8
Phenol-d5		1.54	mg/Kg	1	2.67	58	10 - 105
Nitrobenzene-d5		1.63	mg/Kg	1	2.67	61	10 - 114
2-Fluorobiphenyl		1.65	mg/Kg	1	2.67	62	10 - 122
2,4,6-Tribromophenol		2.60	mg/Kg	1	2.67	97	10 - 117
Terphenyl-d14		2.26	mg/Kg	1	2.67	85	10 - 116

Sample: 130272 - 0213-CF-002-15.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39218	Date Analyzed:	2007-07-18	Analyzed By:	TG
Prep Batch:	33941	Sample Preparation:	2007-07-18	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		242	mg/Kg	1	150	161	62.5 - 164

Sample: 130272 - 0213-CF-002-15.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39355	Date Analyzed:	2007-07-23	Analyzed By:	JG
Prep Batch:	34071	Sample Preparation:	2007-07-23	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0

continued . . .

sample 130272 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0

continued . . .

sample 130272 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		439	μg/Kg	1	500	88	79.7 - 120
Toluene-d8		503	μg/Kg	1	500	101	86.8 - 107
4-Bromofluorobenzene (4-BFB)		503	μg/Kg	1	500	101	82.5 - 116

Sample: 130273 - 0213-CF-003-15.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39273	Date Analyzed:	2007-07-19	Analyzed By:	DS
Prep Batch:	33993	Sample Preparation:	2007-07-19	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250

continued ...

sample 130273 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250

continued ...

sample 130273 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.66	mg/Kg	1	2.67	62	10 - 98.8
Phenol-d5		1.86	mg/Kg	1	2.67	70	10 - 105
Nitrobenzene-d5		2.01	mg/Kg	1	2.67	75	10 - 114
2-Fluorobiphenyl		2.03	mg/Kg	1	2.67	76	10 - 122
2,4,6-Tribromophenol		2.90	mg/Kg	1	2.67	109	10 - 117
Terphenyl-d14		2.64	mg/Kg	1	2.67	99	10 - 116

Sample: 130273 - 0213-CF-003-15.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39218	Date Analyzed:	2007-07-18	Analyzed By:	TG
Prep Batch:	33941	Sample Preparation:	2007-07-18	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		227	mg/Kg	1	150	151	62.5 - 164

Sample: 130273 - 0213-CF-003-15.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39355	Date Analyzed:	2007-07-23	Analyzed By:	JG
Prep Batch:	34071	Sample Preparation:	2007-07-23	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0

continued . . .

sample 130273 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		436	µg/Kg	1	500	87	79.7 - 120
Toluene-d8		498	µg/Kg	1	500	100	86.8 - 107
4-Bromofluorobenzene (4-BFB)		495	µg/Kg	1	500	99	82.5 - 116

Sample: 130274 - 0213-CF-101-20.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39273	Date Analyzed:	2007-07-19	Analyzed By:	DS
Prep Batch:	33993	Sample Preparation:	2007-07-19	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250

continued ...

sample 130274 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250

continued ...

sample 130274 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.07	mg/Kg	1	2.67	40	10 - 98.8
Phenol-d5		1.18	mg/Kg	1	2.67	44	10 - 105
Nitrobenzene-d5		1.26	mg/Kg	1	2.67	47	10 - 114
2-Fluorobiphenyl		1.25	mg/Kg	1	2.67	47	10 - 122
2,4,6-Tribromophenol		2.28	mg/Kg	1	2.67	85	10 - 117
Terphenyl-d14		2.15	mg/Kg	1	2.67	80	10 - 116

Sample: 130274 - 0213-CF-101-20.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39218	Date Analyzed:	2007-07-18	Analyzed By:	TG
Prep Batch:	33941	Sample Preparation:	2007-07-18	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		239	mg/Kg	1	150	159	62.5 - 164

Sample: 130274 - 0213-CF-101-20.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39355	Date Analyzed:	2007-07-23	Analyzed By:	JG
Prep Batch:	34071	Sample Preparation:	2007-07-23	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0

continued . . .

sample 130274 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		440	μg/Kg	1	500	88	79.7 - 120
Toluene-d8		499	μg/Kg	1	500	100	86.8 - 107
4-Bromofluorobenzene (4-BFB)		501	μg/Kg	1	500	100	82.5 - 116

Sample: 130275 - 0213-CF-004-15.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39273	Date Analyzed:	2007-07-19	Analyzed By:	DS
Prep Batch:	33993	Sample Preparation:	2007-07-19	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250

continued ...

sample 130275 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.11	mg/Kg	1	2.67	42	10 - 98.8
Phenol-d5		1.29	mg/Kg	1	2.67	48	10 - 105
Nitrobenzene-d5		1.33	mg/Kg	1	2.67	50	10 - 114
2-Fluorobiphenyl		1.39	mg/Kg	1	2.67	52	10 - 122

continued . . .

sample continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2,4,6-Tribromophenol		2.53	mg/Kg	1	2.67	95	10 - 117
Terphenyl-d14		2.38	mg/Kg	1	2.67	89	10 - 116

Sample: 130275 - 0213-CF-004-15.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39218	Date Analyzed:	2007-07-18	Analyzed By:	TG
Prep Batch:	33941	Sample Preparation:	2007-07-18	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		238	mg/Kg	1	150	159	62.5 - 164

Sample: 130275 - 0213-CF-004-15.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39355	Date Analyzed:	2007-07-23	Analyzed By:	JG
Prep Batch:	34071	Sample Preparation:	2007-07-23	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0

continued ...

sample 130275 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Chloroform		<10.0	μg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	μg/Kg	1	10.0
1,1-Dichloropropene		<10.0	μg/Kg	1	10.0
Benzene		<10.0	μg/Kg	1	10.0
Carbon Tetrachloride		<10.0	μg/Kg	1	10.0
1,2-Dichloropropane		<10.0	μg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	μg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	μg/Kg	1	10.0
Bromodichloromethane		<10.0	μg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	μg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		435	μg/Kg	1	500	87	79.7 - 120
Toluene-d8		501	μg/Kg	1	500	100	86.8 - 107
4-Bromofluorobenzene (4-BFB)		501	μg/Kg	1	500	100	82.5 - 116

Sample: 130276 - 0213-CF-005-15.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39273	Date Analyzed:	2007-07-19	Analyzed By:	DS
Prep Batch:	33993	Sample Preparation:	2007-07-19	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250

continued ...

sample 130276 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250

continued ...

sample 130276 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.01	mg/Kg	1	2.67	38	10 - 98.8
Phenol-d5		1.22	mg/Kg	1	2.67	46	10 - 105
Nitrobenzene-d5		1.20	mg/Kg	1	2.67	45	10 - 114
2-Fluorobiphenyl		1.29	mg/Kg	1	2.67	48	10 - 122
2,4,6-Tribromophenol		2.51	mg/Kg	1	2.67	94	10 - 117
Terphenyl-d14		2.45	mg/Kg	1	2.67	92	10 - 116

Sample: 130276 - 0213-CF-005-15.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39218	Date Analyzed:	2007-07-18	Analyzed By:	TG
Prep Batch:	33941	Sample Preparation:	2007-07-18	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		227	mg/Kg	1	150	151	62.5 - 164

Sample: 130276 - 0213-CF-005-15.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39355	Date Analyzed:	2007-07-23	Analyzed By:	JG
Prep Batch:	34071	Sample Preparation:	2007-07-23	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0

continued . . .

sample 130276 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0

continued . . .

sample 130276 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		438	μg/Kg	1	500	88	79.7 - 120
Toluene-d8		501	μg/Kg	1	500	100	86.8 - 107
4-Bromofluorobenzene (4-BFB)		500	μg/Kg	1	500	100	82.5 - 116

Sample: 130277 - 0213-CF-006-20.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39273	Date Analyzed:	2007-07-19	Analyzed By:	DS
Prep Batch:	33993	Sample Preparation:	2007-07-19	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250

continued ...

sample 130277 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250

continued ...

sample 130277 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		**0.511**	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.03	mg/Kg	1	2.67	38	10 - 98.8
Phenol-d5		1.15	mg/Kg	1	2.67	43	10 - 105
Nitrobenzene-d5		1.22	mg/Kg	1	2.67	46	10 - 114
2-Fluorobiphenyl		1.25	mg/Kg	1	2.67	47	10 - 122
2,4,6-Tribromophenol		2.50	mg/Kg	1	2.67	94	10 - 117
Terphenyl-d14		2.44	mg/Kg	1	2.67	91	10 - 116

Sample: 130277 - 0213-CF-006-20.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39218	Date Analyzed:	2007-07-18	Analyzed By:	TG
Prep Batch:	33941	Sample Preparation:	2007-07-18	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		231	mg/Kg	1	150	154	62.5 - 164

Sample: 130277 - 0213-CF-006-20.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39355	Date Analyzed:	2007-07-23	Analyzed By:	JG
Prep Batch:	34071	Sample Preparation:	2007-07-23	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0

continued . . .

sample 130277 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		447	μg/Kg	1	500	89	79.7 - 120
Toluene-d8		509	μg/Kg	1	500	102	86.8 - 107
4-Bromofluorobenzene (4-BFB)		507	μg/Kg	1	500	101	82.5 - 116

Method Blank (1) QC Batch: 39218

QC Batch:	39218	Date Analyzed:	2007-07-18	Analyzed By:	TG
Prep Batch:	33941	QC Preparation:	2007-07-18	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		238	mg/Kg	1	150	159	62.5 - 164

Method Blank (1) QC Batch: 39273

QC Batch:	39273	Date Analyzed:	2007-07-19	Analyzed By:	DS
Prep Batch:	33993	QC Preparation:	2007-07-19	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.0665	mg/Kg	0.25
N-Nitrosodimethylamine		<0.0894	mg/Kg	0.25
2-Picoline		<0.0472	mg/Kg	0.25
Methyl methanesulfonate		<0.0754	mg/Kg	0.25
Ethyl methanesulfonate		<0.0943	mg/Kg	0.25
Phenol		<0.0778	mg/Kg	0.25
Aniline		<0.0720	mg/Kg	0.25
bis(2-chloroethyl)ether		<0.0700	mg/Kg	0.25
2-Chlorophenol		<0.0676	mg/Kg	0.25
1,3-Dichlorobenzene (meta)		<0.0631	mg/Kg	0.25
1,4-Dichlorobenzene (para)		<0.0618	mg/Kg	0.25
Benzyl alcohol		<0.107	mg/Kg	0.25
1,2-Dichlorobenzene (ortho)		<0.0658	mg/Kg	0.25
2-Methylphenol		<0.0849	mg/Kg	0.25
bis(2-chloroisopropyl)ether		<0.0812	mg/Kg	0.25
4-Methylphenol / 3-Methylphenol		<0.0918	mg/Kg	0.25
Acetophenone		<0.0709	mg/Kg	0.25
N-Nitrosodi-n-propylamine		<0.106	mg/Kg	0.25
Hexachloroethane		<0.0662	mg/Kg	0.25
Nitrobenzene		<0.0641	mg/Kg	0.25
N-Nitrosopiperidine		<0.0870	mg/Kg	0.25
Isophorone		<0.0794	mg/Kg	0.25
2-Nitrophenol		<0.0653	mg/Kg	0.25
2,4-Dimethylphenol		<0.0745	mg/Kg	0.25
bis(2-chloroethoxy)methane		<0.0774	mg/Kg	0.25
Benzoic acid		<0.0273	mg/Kg	0.25
2,4-Dichlorophenol		<0.0780	mg/Kg	0.25
1,2,4-Trichlorobenzene		<0.0583	mg/Kg	0.25
a,a-Dimethylphenethylamine		<0.0471	mg/Kg	0.25
Naphthalene		<0.0597	mg/Kg	0.25
4-Chloroaniline		<0.0789	mg/Kg	0.25
2,6-Dichlorophenol		<0.0728	mg/Kg	0.25
Hexachlorobutadiene		<0.0528	mg/Kg	0.25
N-Nitroso-di-n-butylamine		<0.0818	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.0610	mg/Kg	0.25
1-Methylnaphthalene		<0.0713	mg/Kg	0.25
2-Methylnaphthalene		<0.0720	mg/Kg	0.25
1,2,4,5-Tetrachlorobenzene		<0.0682	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.0491	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.0648	mg/Kg	0.25
2,4,5-Trichlorophenol		<0.0493	mg/Kg	0.25
2-Chloronaphthalene		<0.0690	mg/Kg	0.25
1-Chloronaphthalene		<0.0621	mg/Kg	0.25
2-Nitroaniline		<0.0500	mg/Kg	0.25
Dimethylphthalate		<0.0505	mg/Kg	0.25
Acenaphthylene		<0.0659	mg/Kg	0.25
2,6-Dinitrotoluene		<0.0488	mg/Kg	0.25
3-Nitroaniline		<0.0492	mg/Kg	0.25
Acenaphthene		<0.0611	mg/Kg	0.25
2,4-Dinitrophenol		<0.0245	mg/Kg	0.25
Dibenzofuran		<0.0639	mg/Kg	0.25

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Pentachlorobenzene		<0.0562	mg/Kg	0.25
4-Nitrophenol		<0.0416	mg/Kg	0.25
1-Naphthylamine		<0.0487	mg/Kg	0.25
2,4-Dinitrotoluene		<0.0502	mg/Kg	0.25
2-Naphthylamine		<0.0428	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.0446	mg/Kg	0.25
Fluorene		<0.0520	mg/Kg	0.25
Diethylphthalate		<0.0484	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.0602	mg/Kg	0.25
4-Nitroaniline		<0.0278	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.0375	mg/Kg	0.25
Diphenylamine		<0.0628	mg/Kg	0.25
Diphenylhydrazine		<0.0519	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.0672	mg/Kg	0.25
Phenacetin		<0.0649	mg/Kg	0.25
Hexachlorobenzene		<0.0596	mg/Kg	0.25
4-Aminobiphenyl		<0.0631	mg/Kg	0.25
Pentachlorophenol		<0.0426	mg/Kg	0.25
Pentachloronitrobenzene		<0.0607	mg/Kg	0.25
Pronamide		<0.0702	mg/Kg	0.25
Phenanthrene		<0.0614	mg/Kg	0.25
Anthracene		<0.0648	mg/Kg	0.25
Di-n-butylphthalate		<0.0614	mg/Kg	0.25
Fluoranthene		<0.0636	mg/Kg	0.25
Benzidine		<0.0631	mg/Kg	0.25
Pyrene		<0.0583	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.0544	mg/Kg	0.25
Butylbenzylphthalate		<0.0531	mg/Kg	0.25
Benzo(a)anthracene		<0.0603	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.0570	mg/Kg	0.25
Chrysene		<0.0643	mg/Kg	0.25
bis(2-ethylhexyl)phthalate		<0.0622	mg/Kg	0.25
Di-n-octylphthalate		<0.0514	mg/Kg	0.25
Benzo(b)fluoranthene		<0.0585	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.0582	mg/Kg	0.25
Benzo(k)fluoranthene		<0.0536	mg/Kg	0.25
Benzo(a)pyrene		<0.0564	mg/Kg	0.25
3-Methylcholanthrene		<0.0571	mg/Kg	0.25
Dibenzo(a,j)acridine		<0.0618	mg/Kg	0.25
Indeno(1,2,3-cd)pyrene		<0.0576	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.0543	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.0631	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.75	mg/Kg	1	2.67	66	10 - 98.8
Phenol-d5		1.95	mg/Kg	1	2.67	73	10 - 105
Nitrobenzene-d5		2.11	mg/Kg	1	2.67	79	10 - 114
2-Fluorobiphenyl		2.35	mg/Kg	1	2.67	88	10 - 122
2,4,6-Tribromophenol		2.88	mg/Kg	1	2.67	108	10 - 117

continued . . .

method blank continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Terphenyl-d14		2.42	mg/Kg	1	2.67	91	10 - 116

Method Blank (1) QC Batch: 39355

QC Batch:	39355	Date Analyzed:	2007-07-23	Analyzed By:	JG
Prep Batch:	34071	QC Preparation:	2007-07-23	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<2.06	µg/Kg	10
Dichlorodifluoromethane		<4.16	µg/Kg	10
Chloromethane (methyl chloride)		<2.49	µg/Kg	10
Vinyl Chloride		<2.80	µg/Kg	10
Bromomethane (methyl bromide)		<2.99	µg/Kg	50
Chloroethane		<3.26	µg/Kg	10
Trichlorofluoromethane		<2.49	µg/Kg	10
Acetone		<51.4	µg/Kg	100
Iodomethane (methyl iodide)		<2.41	µg/Kg	50
Carbon Disulfide		<2.12	µg/Kg	10
Acrylonitrile		<2.12	µg/Kg	10
2-Butanone (MEK)		<13.9	µg/Kg	50
4-Methyl-2-pentanone (MIBK)		<3.95	µg/Kg	50
2-Hexanone		<2.13	µg/Kg	50
trans 1,4-Dichloro-2-butene		<2.92	µg/Kg	100
1,1-Dichloroethene		<1.89	µg/Kg	10
Methylene chloride		<3.03	µg/Kg	50
MTBE		<1.71	µg/Kg	10
trans-1,2-Dichloroethene		<2.67	µg/Kg	10
1,1-Dichloroethane		<1.76	µg/Kg	10
cis-1,2-Dichloroethene		<2.27	µg/Kg	10
2,2-Dichloropropane		<2.90	µg/Kg	10
1,2-Dichloroethane (EDC)		<1.90	µg/Kg	10
Chloroform		<2.21	µg/Kg	10
1,1,1-Trichloroethane		<2.06	µg/Kg	10
1,1-Dichloropropene		<2.44	µg/Kg	10
Benzene		<1.51	µg/Kg	10
Carbon Tetrachloride		<2.26	µg/Kg	10
1,2-Dichloropropane		<1.51	µg/Kg	10
Trichloroethene (TCE)		<1.93	µg/Kg	10
Dibromomethane (methylene bromide)		<1.78	µg/Kg	10
Bromodichloromethane		<1.81	µg/Kg	10
2-Chloroethyl vinyl ether		<1.51	µg/Kg	50
cis-1,3-Dichloropropene		<2.32	µg/Kg	10
trans-1,3-Dichloropropene		<2.00	µg/Kg	10
Toluene		<2.02	µg/Kg	10
1,1,2-Trichloroethane		<1.41	µg/Kg	10
1,3-Dichloropropane		<2.28	µg/Kg	10
Dibromochloromethane		<1.65	µg/Kg	10
1,2-Dibromoethane (EDB)		<1.53	µg/Kg	10

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Tetrachloroethene (PCE)		<1.27	μg/Kg	10
Chlorobenzene		<2.02	μg/Kg	10
1,1,1,2-Tetrachloroethane		<1.62	μg/Kg	10
Ethylbenzene		<1.96	μg/Kg	10
m,p-Xylene		<3.03	μg/Kg	10
Bromoform		<1.94	μg/Kg	10
Styrene		<1.99	μg/Kg	10
o-Xylene		<2.12	μg/Kg	10
1,1,2,2-Tetrachloroethane		<2.19	μg/Kg	10
2-Chlorotoluene		<3.12	μg/Kg	10
1,2,3-Trichloropropane		<2.84	μg/Kg	10
Isopropylbenzene		<2.52	μg/Kg	10
Bromobenzene		<3.08	μg/Kg	10
n-Propylbenzene		<2.90	μg/Kg	10
1,3,5-Trimethylbenzene		<2.70	μg/Kg	10
tert-Butylbenzene		<3.32	μg/Kg	10
1,2,4-Trimethylbenzene		<3.19	μg/Kg	10
1,4-Dichlorobenzene (para)		<2.46	μg/Kg	10
sec-Butylbenzene		<2.75	μg/Kg	10
1,3-Dichlorobenzene (meta)		<2.44	μg/Kg	10
p-Isopropyltoluene		<2.73	μg/Kg	10
4-Chlorotoluene		<2.72	μg/Kg	10
1,2-Dichlorobenzene (ortho)		<2.22	μg/Kg	10
n-Butylbenzene		<2.74	μg/Kg	10
1,2-Dibromo-3-chloropropane		<7.25	μg/Kg	50
1,2,3-Trichlorobenzene		<4.91	μg/Kg	50
1,2,4-Trichlorobenzene		<3.95	μg/Kg	50
Naphthalene		9.52	μg/Kg	50
Hexachlorobutadiene		21.8	μg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		435	μg/Kg	1	500	87	79.7 - 120
Toluene-d8		495	μg/Kg	1	500	99	86.8 - 107
4-Bromofluorobenzene (4-BFB)		490	μg/Kg	1	500	98	82.5 - 116

Laboratory Control Spike (LCS-1)

QC Batch: 39218 Date Analyzed: 2007-07-18 Analyzed By: TG
Prep Batch: 33941 QC Preparation: 2007-07-18 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	266	mg/Kg	1	250	<10.7	106	64.1 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued . . .

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	262	mg/Kg	1	250	<10.7	105	64.1 - 124	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	197	199	mg/Kg	1	150	131	133	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 39273 Date Analyzed: 2007-07-19 Analyzed By: DS
Prep Batch: 33993 QC Preparation: 2007-07-19 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.71	mg/Kg	1	2.67	0	64	10 - 117
2-Chlorophenol	1.58	mg/Kg	1	2.67	0	59	10 - 117
1,4-Dichlorobenzene (para)	1.50	mg/Kg	1	2.67	0	56	10 - 116
N-Nitrosodi-n-propylamine	2.06	mg/Kg	1	2.67	0	77	10 - 121
1,2,4-Trichlorobenzene	1.69	mg/Kg	1	2.67	0	63	10 - 126
Naphthalene	1.67	mg/Kg	1	2.67	0	62	10 - 165
4-Chloro-3-methylphenol	1.84	mg/Kg	1	2.67	0	69	10 - 148
Acenaphthylene	2.06	mg/Kg	1	2.67	0	77	10 - 165
Acenaphthene	1.94	mg/Kg	1	2.67	0	73	10 - 154
Dibenzofuran	2.15	mg/Kg	1	2.67	0	80	10 - 165
4-Nitrophenol	1.93	mg/Kg	1	2.67	0	72	10 - 142
2,4-Dinitrotoluene	2.38	mg/Kg	1	2.67	0	89	10 - 170
Fluorene	2.21	mg/Kg	1	2.67	0	83	10 - 165
Pentachlorophenol	1.60	mg/Kg	1	2.67	0	60	10 - 145
Anthracene	2.36	mg/Kg	1	2.67	0	88	10 - 165
Phenanthrene	2.34	mg/Kg	1	2.67	0	88	10 - 165
Fluoranthene	2.64	mg/Kg	1	2.67	0	99	10 - 165
Pyrene	2.21	mg/Kg	1	2.67	0	83	10 - 227
Benzo(a)anthracene	2.27	mg/Kg	1	2.67	0	85	10 - 165
Chrysene	2.34	mg/Kg	1	2.67	0	88	10 - 165
Benzo(b)fluoranthene	2.17	mg/Kg	1	2.67	0	81	10 - 165
Benzo(k)fluoranthene	2.39	mg/Kg	1	2.67	0	90	10 - 165
Benzo(a)pyrene	2.48	mg/Kg	1	2.67	0	93	10 - 165
Indeno(1,2,3-cd)pyrene	2.73	mg/Kg	1	2.67	0	102	10 - 165
Dibenzo(a,h)anthracene	2.64	mg/Kg	1	2.67	0	99	10 - 165
Benzo(g,h,i)perylene	2.66	mg/Kg	1	2.67	0	100	10 - 165

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	1.96	mg/Kg	1	2.67	0	73	10 - 117	14	20
2-Chlorophenol	1.79	mg/Kg	1	2.67	0	67	10 - 117	12	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,4-Dichlorobenzene (para)	1.70	mg/Kg	1	2.67	0	64	10 - 116	12	20
N-Nitrosodi-n-propylamine	2.44	mg/Kg	1	2.67	0	91	10 - 121	17	20
1,2,4-Trichlorobenzene	1.89	mg/Kg	1	2.67	0	71	10 - 126	11	20
Naphthalene	1.85	mg/Kg	1	2.67	0	69	10 - 165	10	20
4-Chloro-3-methylphenol	2.12	mg/Kg	1	2.67	0	79	10 - 148	14	20
Acenaphthylene	2.30	mg/Kg	1	2.67	0	86	10 - 165	11	20
Acenaphthene	2.17	mg/Kg	1	2.67	0	81	10 - 154	11	20
Dibenzofuran	2.43	mg/Kg	1	2.67	0	91	10 - 165	12	20
4-Nitrophenol	2.16	mg/Kg	1	2.67	0	81	10 - 142	11	20
2,4-Dinitrotoluene	2.62	mg/Kg	1	2.67	0	98	10 - 170	10	20
Fluorene	2.51	mg/Kg	1	2.67	0	94	10 - 165	13	20
Pentachlorophenol	1.88	mg/Kg	1	2.67	0	70	10 - 145	16	20
Anthracene	2.64	mg/Kg	1	2.67	0	99	10 - 165	11	20
Phenanthrene	2.64	mg/Kg	1	2.67	0	99	10 - 165	12	20
Fluoranthene	2.94	mg/Kg	1	2.67	0	110	10 - 165	11	20
Pyrene	2.45	mg/Kg	1	2.67	0	92	10 - 227	10	20
Benzo(a)anthracene	2.51	mg/Kg	1	2.67	0	94	10 - 165	10	20
Chrysene	2.62	mg/Kg	1	2.67	0	98	10 - 165	11	20
Benzo(b)fluoranthene	2.48	mg/Kg	1	2.67	0	93	10 - 165	13	20
Benzo(k)fluoranthene	2.65	mg/Kg	1	2.67	0	99	10 - 165	10	20
Benzo(a)pyrene	2.76	mg/Kg	1	2.67	0	103	10 - 165	11	20
Indeno(1,2,3-cd)pyrene	3.07	mg/Kg	1	2.67	0	115	10 - 165	12	20
Dibenzo(a,h)anthracene	2.97	mg/Kg	1	2.67	0	111	10 - 165	12	20
Benzo(g,h,i)perylene	2.96	mg/Kg	1	2.67	0	111	10 - 165	11	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	1.72	1.96	mg/Kg	1	2.67	64	73	10 - 103
Phenol-d5	1.99	2.28	mg/Kg	1	2.67	74	85	10 - 120
Nitrobenzene-d5	2.11	2.38	mg/Kg	1	2.67	79	89	10 - 125
2-Fluorobiphenyl	2.24	2.48	mg/Kg	1	2.67	84	93	10 - 123
2,4,6-Tribromophenol [2]	3.43	3.90	mg/Kg	1	2.67	128	146	14.4 - 145
Terphenyl-d14	2.77	3.09	mg/Kg	1	2.67	104	116	16.3 - 168

Laboratory Control Spike (LCS-1)

QC Batch: 39355 Date Analyzed: 2007-07-23 Analyzed By: JG
Prep Batch: 34071 QC Preparation: 2007-07-23 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	482	μg/Kg	1	500	<0.825	96	85 - 114
Dichlorodifluoromethane	519	μg/Kg	1	500	<0.889	104	57.1 - 129
Chloromethane (methyl chloride)	381	μg/Kg	1	500	<0.929	76	66.7 - 111
Vinyl Chloride	470	μg/Kg	1	500	<0.463	94	66.6 - 116
Bromomethane (methyl bromide)	496	μg/Kg	1	500	<1.71	99	43.4 - 143

continued ...

[2] LCSD analyte out of range. LCS/LCSD has an RPD within limits. Therefore, LCS shows extraction occurred properly.

control spikes continued ...

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloroethane		416	µg/Kg	1	500	<3.68	83	44.9 - 135
Trichlorofluoromethane		502	µg/Kg	1	500	<0.306	100	57.6 - 131
Acetone	[3]	726	µg/Kg	1	500	<1.70	145	16.7 - 142
Iodomethane (methyl iodide)		574	µg/Kg	1	500	<0.640	115	81.1 - 116
Carbon Disulfide		499	µg/Kg	1	500	<0.346	100	79.7 - 112
Acrylonitrile		444	µg/Kg	1	500	<1.51	89	74.9 - 124
2-Butanone (MEK)	[4]	661	µg/Kg	1	500	<3.78	132	50.9 - 124
4-Methyl-2-pentanone (MIBK)		508	µg/Kg	1	500	<7.86	102	71.2 - 134
2-Hexanone		597	µg/Kg	1	500	<5.70	119	43.1 - 135
trans 1,4-Dichloro-2-butene		508	µg/Kg	1	500	<1.33	102	46 - 134
1,1-Dichloroethene		454	µg/Kg	1	500	<0.639	91	76 - 118
Methylene chloride		451	µg/Kg	1	500	<1.19	90	64.4 - 110
MTBE		444	µg/Kg	1	500	<0.362	89	84.8 - 120
trans-1,2-Dichloroethene		440	µg/Kg	1	500	<0.419	88	82 - 112
1,1-Dichloroethane		433	µg/Kg	1	500	<0.257	87	81.4 - 113
cis-1,2-Dichloroethene		446	µg/Kg	1	500	<0.627	89	84.9 - 113
2,2-Dichloropropane		475	µg/Kg	1	500	<0.593	95	35.1 - 136
1,2-Dichloroethane (EDC)		393	µg/Kg	1	500	<0.524	79	35.1 - 136
Chloroform		432	µg/Kg	1	500	<0.440	86	81 - 115
1,1,1-Trichloroethane		441	µg/Kg	1	500	<0.750	88	80.2 - 113
1,1-Dichloropropene		451	µg/Kg	1	500	<0.622	90	75.4 - 113
Benzene		456	µg/Kg	1	500	<0.644	91	84.6 - 114
Carbon Tetrachloride		502	µg/Kg	1	500	<0.485	100	86.6 - 113
1,2-Dichloropropane		446	µg/Kg	1	500	<0.547	89	67 - 127
Trichloroethene (TCE)		488	µg/Kg	1	500	<0.836	98	84.9 - 115
Dibromomethane (methylene bromide)		484	µg/Kg	1	500	<0.435	97	92.6 - 114
Bromodichloromethane		459	µg/Kg	1	500	<0.457	92	87.7 - 114
2-Chloroethyl vinyl ether		452	µg/Kg	1	500	<0.547	90	81.1 - 121
cis-1,3-Dichloropropene		497	µg/Kg	1	500	<0.596	99	84.9 - 115
trans-1,3-Dichloropropene		502	µg/Kg	1	500	<0.561	100	85.8 - 118
Toluene		440	µg/Kg	1	500	<1.12	88	80.7 - 109
1,1,2-Trichloroethane		457	µg/Kg	1	500	<3.25	91	89 - 115
1,3-Dichloropropane		457	µg/Kg	1	500	<0.505	91	90.3 - 115
Dibromochloromethane		516	µg/Kg	1	500	<0.552	103	82.6 - 129
1,2-Dibromoethane (EDB)		506	µg/Kg	1	500	<0.688	101	93.3 - 117
Tetrachloroethene (PCE)		515	µg/Kg	1	500	<0.826	103	50.2 - 143
Chlorobenzene		469	µg/Kg	1	500	<0.426	94	86.1 - 111
1,1,1,2-Tetrachloroethane		503	µg/Kg	1	500	<0.289	101	81.4 - 122
Ethylbenzene		459	µg/Kg	1	500	<0.376	92	84.4 - 106
m,p-Xylene		913	µg/Kg	1	1000	<0.714	91	84 - 108
Bromoform		611	µg/Kg	1	500	<0.426	122	77 - 139
Styrene		543	µg/Kg	1	500	<0.796	109	87.6 - 122
o-Xylene		468	µg/Kg	1	500	<0.679	94	86.6 - 111
1,1,2,2-Tetrachloroethane		482	µg/Kg	1	500	<0.703	96	76.4 - 124
2-Chlorotoluene		429	µg/Kg	1	500	<1.26	86	81.7 - 115
1,2,3-Trichloropropane		471	µg/Kg	1	500	<0.504	94	75.7 - 134
Isopropylbenzene		437	µg/Kg	1	500	<1.30	87	81 - 118
Bromobenzene		434	µg/Kg	1	500	<0.480	87	82.7 - 121

continued ...

[3]Spike recovery out of control limits. Concentration biased high. •
[4]Spike recovery out of control limits. Concentration biased high. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
n-Propylbenzene	412	µg/Kg	1	500	<0.421	82	73.4 - 115
1,3,5-Trimethylbenzene	438	µg/Kg	1	500	<2.10	88	76 - 113
tert-Butylbenzene	448	µg/Kg	1	500	<0.410	90	70 - 116
1,2,4-Trimethylbenzene	451	µg/Kg	1	500	<0.535	90	78.6 - 115
1,4-Dichlorobenzene (para)	460	µg/Kg	1	500	<0.387	92	78.6 - 109
sec-Butylbenzene	426	µg/Kg	1	500	<0.632	85	64 - 114
1,3-Dichlorobenzene (meta)	475	µg/Kg	1	500	<0.534	95	86.8 - 109
p-Isopropyltoluene	450	µg/Kg	1	500	<0.679	90	64.8 - 115
4-Chlorotoluene	438	µg/Kg	1	500	<0.675	88	83.3 - 117
1,2-Dichlorobenzene (ortho)	507	µg/Kg	1	500	<0.475	101	88.4 - 110
n-Butylbenzene	432	µg/Kg	1	500	<0.979	86	61.5 - 112
1,2-Dibromo-3-chloropropane	614	µg/Kg	1	500	<0.883	123	47.4 - 147
1,2,3-Trichlorobenzene [5]	866	µg/Kg	1	500	<3.64	173	19.4 - 159
1,2,4-Trichlorobenzene	669	µg/Kg	1	500	<2.28	134	37.6 - 135
Naphthalene	896	µg/Kg	1	500	<4.41	179	20.8 - 179
Hexachlorobutadiene	570	µg/Kg	1	500	<3.24	114	54.5 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	486	µg/Kg	1	500	<0.825	97	85 - 114	1	20
Dichlorodifluoromethane	512	µg/Kg	1	500	<0.889	102	57.1 - 129	1	20
Chloromethane (methyl chloride)	373	µg/Kg	1	500	<0.929	75	66.7 - 111	2	20
Vinyl Chloride	457	µg/Kg	1	500	<0.463	91	66.6 - 116	3	20
Bromomethane (methyl bromide)	486	µg/Kg	1	500	<1.71	97	43.4 - 143	2	20
Chloroethane	406	µg/Kg	1	500	<3.68	81	44.9 - 135	2	20
Trichlorofluoromethane	495	µg/Kg	1	500	<0.306	99	57.6 - 131	1	20
Acetone	684	µg/Kg	1	500	<1.70	137	16.7 - 142	6	20
Iodomethane (methyl iodide)	577	µg/Kg	1	500	<0.640	115	81.1 - 116	0	20
Carbon Disulfide	506	µg/Kg	1	500	<0.346	101	79.7 - 112	1	20
Acrylonitrile	455	µg/Kg	1	500	<1.51	91	74.9 - 124	2	20
2-Butanone (MEK) [6]	654	µg/Kg	1	500	<3.78	131	50.9 - 124	1	20
4-Methyl-2-pentanone (MIBK)	530	µg/Kg	1	500	<7.86	106	71.2 - 134	4	20
2-Hexanone	573	µg/Kg	1	500	<5.70	115	43.1 - 135	4	20
trans 1,4-Dichloro-2-butene	516	µg/Kg	1	500	<1.33	103	46 - 134	2	20
1,1-Dichloroethene	453	µg/Kg	1	500	<0.639	91	76 - 118	0	20
Methylene chloride	449	µg/Kg	1	500	<1.19	90	64.4 - 110	0	20
MTBE	447	µg/Kg	1	500	<0.362	89	84.8 - 120	1	20
trans-1,2-Dichloroethene	442	µg/Kg	1	500	<0.419	88	82 - 112	0	20
1,1-Dichloroethane	436	µg/Kg	1	500	<0.257	87	81.4 - 113	1	20
cis-1,2-Dichloroethene	449	µg/Kg	1	500	<0.627	90	84.9 - 113	1	20
2,2-Dichloropropane	467	µg/Kg	1	500	<0.593	93	35.1 - 136	2	20
1,2-Dichloroethane (EDC)	394	µg/Kg	1	500	<0.524	79	35.1 - 136	0	20
Chloroform	431	µg/Kg	1	500	<0.440	86	81 - 115	0	20
1,1,1-Trichloroethane	442	µg/Kg	1	500	<0.750	88	80.2 - 113	0	20
1,1-Dichloropropene	452	µg/Kg	1	500	<0.622	90	75.4 - 113	0	20
Benzene	460	µg/Kg	1	500	<0.644	92	84.6 - 114	1	20
Carbon Tetrachloride	503	µg/Kg	1	500	<0.485	101	86.6 - 113	0	20

continued ...

[5] Spike recovery out of control limits. Concentration biased high. •
[6] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2-Dichloropropane	449	µg/Kg	1	500	<0.547	90	67 - 127	1	20
Trichloroethene (TCE)	496	µg/Kg	1	500	<0.836	99	84.9 - 115	2	20
Dibromomethane (methylene bromide)	488	µg/Kg	1	500	<0.435	98	92.6 - 114	1	20
Bromodichloromethane	456	µg/Kg	1	500	<0.457	91	87.7 - 114	1	20
2-Chloroethyl vinyl ether	455	µg/Kg	1	500	<0.547	91	81.1 - 121	1	20
cis-1,3-Dichloropropene	496	µg/Kg	1	500	<0.596	99	84.9 - 115	0	20
trans-1,3-Dichloropropene	499	µg/Kg	1	500	<0.561	100	85.8 - 118	1	20
Toluene	442	µg/Kg	1	500	<1.12	88	80.7 - 109	0	20
1,1,2-Trichloroethane	460	µg/Kg	1	500	<3.25	92	89 - 115	1	20
1,3-Dichloropropane	464	µg/Kg	1	500	<0.505	93	90.3 - 115	2	20
Dibromochloromethane	525	µg/Kg	1	500	<0.552	105	82.6 - 129	2	20
1,2-Dibromoethane (EDB)	514	µg/Kg	1	500	<0.688	103	93.3 - 117	2	20
Tetrachloroethene (PCE)	524	µg/Kg	1	500	<0.826	105	50.2 - 143	2	20
Chlorobenzene	472	µg/Kg	1	500	<0.426	94	86.1 - 111	1	20
1,1,1,2-Tetrachloroethane	503	µg/Kg	1	500	<0.289	101	81.4 - 122	0	20
Ethylbenzene	462	µg/Kg	1	500	<0.376	92	84.4 - 106	1	20
m,p-Xylene	921	µg/Kg	1	1000	<0.714	92	84 - 108	1	20
Bromoform	623	µg/Kg	1	500	<0.426	125	77 - 139	2	20
Styrene	545	µg/Kg	1	500	<0.796	109	87.6 - 122	0	20
o-Xylene	472	µg/Kg	1	500	<0.679	94	86.6 - 111	1	20
1,1,2,2-Tetrachloroethane	484	µg/Kg	1	500	<0.703	97	76.4 - 124	0	20
2-Chlorotoluene	436	µg/Kg	1	500	<1.26	87	81.7 - 115	2	20
1,2,3-Trichloropropane	477	µg/Kg	1	500	<0.504	95	75.7 - 134	1	20
Isopropylbenzene	445	µg/Kg	1	500	<1.30	89	81 - 118	2	20
Bromobenzene	439	µg/Kg	1	500	<0.480	88	82.7 - 121	1	20
n-Propylbenzene	416	µg/Kg	1	500	<0.421	83	73.4 - 115	1	20
1,3,5-Trimethylbenzene	445	µg/Kg	1	500	<2.10	89	76 - 113	2	20
tert-Butylbenzene	454	µg/Kg	1	500	<0.410	91	70 - 116	1	20
1,2,4-Trimethylbenzene	457	µg/Kg	1	500	<0.535	91	78.6 - 115	1	20
1,4-Dichlorobenzene (para)	466	µg/Kg	1	500	<0.387	93	78.6 - 109	1	20
sec-Butylbenzene	430	µg/Kg	1	500	<0.632	86	64 - 114	1	20
1,3-Dichlorobenzene (meta)	480	µg/Kg	1	500	<0.534	96	86.8 - 109	1	20
p-Isopropyltoluene	454	µg/Kg	1	500	<0.679	91	64.8 - 115	1	20
4-Chlorotoluene	443	µg/Kg	1	500	<0.675	89	83.3 - 117	1	20
1,2-Dichlorobenzene (ortho)	513	µg/Kg	1	500	<0.475	103	88.4 - 110	1	20
n-Butylbenzene	437	µg/Kg	1	500	<0.979	87	61.5 - 112	1	20
1,2-Dibromo-3-chloropropane	623	µg/Kg	1	500	<0.883	125	47.4 - 147	1	20
1,2,3-Trichlorobenzene [7]	899	µg/Kg	1	500	<3.64	180	19.4 - 159	4	20
1,2,4-Trichlorobenzene [8]	682	µg/Kg	1	500	<2.28	136	37.6 - 135	2	20
Naphthalene [9]	908	µg/Kg	1	500	<4.41	182	20.8 - 179	1	20
Hexachlorobutadiene	585	µg/Kg	1	500	<3.24	117	54.5 - 128	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	457	454	µg/Kg	1	500	91	91	79.7 - 120
Toluene-d8	486	483	µg/Kg	1	500	97	97	86.8 - 107

continued ...

[7] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[8] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.
[9] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

control spikes continued ...

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
4-Bromofluorobenzene (4-BFB)	489	486	μg/Kg	1	500	98	97	82.5 - 116

Matrix Spike (MS-1) Spiked Sample: 130271

QC Batch: 39218 Date Analyzed: 2007-07-18 Analyzed By: TG
Prep Batch: 33941 QC Preparation: 2007-07-18 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	305	mg/Kg	1	250	<10.7	122	47.5 - 127

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	309	mg/Kg	1	250	<10.7	124	47.5 - 127	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	230	230	mg/Kg	1	150	153	153	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 129946

QC Batch: 39273 Date Analyzed: 2007-07-19 Analyzed By: DS
Prep Batch: 33993 QC Preparation: 2007-07-19 Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.29	mg/Kg	1	2.67	0	48	10 - 117
2-Chlorophenol	1.14	mg/Kg	1	2.67	0	43	10 - 117
1,4-Dichlorobenzene (para)	1.03	mg/Kg	1	2.67	0	38	10 - 116
N-Nitrosodi-n-propylamine	1.73	mg/Kg	1	2.67	0	65	10 - 121
1,2,4-Trichlorobenzene	1.27	mg/Kg	1	2.67	0	48	10 - 126
Naphthalene	1.29	mg/Kg	1	2.67	0	48	10 - 165
4-Chloro-3-methylphenol	2.38	mg/Kg	1	2.67	0	89	10 - 148
Acenaphthylene	1.80	mg/Kg	1	2.67	0	67	10 - 165
Acenaphthene	1.67	mg/Kg	1	2.67	0	62	10 - 154
Dibenzofuran	1.88	mg/Kg	1	2.67	0	70	10 - 165
4-Nitrophenol	1.96	mg/Kg	1	2.67	0	73	10 - 142
2,4-Dinitrotoluene	1.89	mg/Kg	1	2.67	0	71	10 - 170
Fluorene	2.00	mg/Kg	1	2.67	0	75	10 - 165
Pentachlorophenol	2.27	mg/Kg	1	2.67	0	85	10 - 145
Anthracene	2.30	mg/Kg	1	2.67	0	86	10 - 165
Phenanthrene	2.26	mg/Kg	1	2.67	0	85	10 - 165
Fluoranthene	2.74	mg/Kg	1	2.67	0	103	10 - 165
Pyrene	2.30	mg/Kg	1	2.67	0	86	10 - 227
Benzo(a)anthracene	2.25	mg/Kg	1	2.67	0	84	10 - 165

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chrysene	2.36	mg/Kg	1	2.67	0.456	71	10 - 165
Benzo(b)fluoranthene	2.47	mg/Kg	1	2.67	0.461	75	10 - 165
Benzo(k)fluoranthene	2.29	mg/Kg	1	2.67	0	86	10 - 165
Benzo(a)pyrene	2.43	mg/Kg	1	2.67	0	91	10 - 165
Indeno(1,2,3-cd)pyrene	2.68	mg/Kg	1	2.67	0	100	10 - 165
Dibenzo(a,h)anthracene	2.47	mg/Kg	1	2.67	0	92	10 - 165
Benzo(g,h,i)perylene	2.63	mg/Kg	1	2.67	0	98	10 - 165

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	1.27	mg/Kg	1	2.67	0	48	10 - 117	1	20
2-Chlorophenol	1.13	mg/Kg	1	2.67	0	42	10 - 117	1	20
1,4-Dichlorobenzene (para)	0.996	mg/Kg	1	2.67	0	37	10 - 116	4	20
N-Nitrosodi-n-propylamine	1.70	mg/Kg	1	2.67	0	64	10 - 121	2	20
1,2,4-Trichlorobenzene	1.21	mg/Kg	1	2.67	0	45	10 - 126	5	20
Naphthalene	1.25	mg/Kg	1	2.67	0	47	10 - 165	3	20
4-Chloro-3-methylphenol	2.29	mg/Kg	1	2.67	0	86	10 - 148	4	20
Acenaphthylene	1.72	mg/Kg	1	2.67	0	64	10 - 165	4	20
Acenaphthene	1.60	mg/Kg	1	2.67	0	60	10 - 154	4	20
Dibenzofuran	1.81	mg/Kg	1	2.67	0	68	10 - 165	4	20
4-Nitrophenol	1.88	mg/Kg	1	2.67	0	70	10 - 142	4	20
2,4-Dinitrotoluene	1.79	mg/Kg	1	2.67	0	67	10 - 170	5	20
Fluorene	1.91	mg/Kg	1	2.67	0	72	10 - 165	4	20
Pentachlorophenol	2.23	mg/Kg	1	2.67	0	84	10 - 145	2	20
Anthracene	2.22	mg/Kg	1	2.67	0	83	10 - 165	3	20
Phenanthrene	2.17	mg/Kg	1	2.67	0	81	10 - 165	4	20
Fluoranthene	2.64	mg/Kg	1	2.67	0	99	10 - 165	4	20
Pyrene	2.20	mg/Kg	1	2.67	0	82	10 - 227	4	20
Benzo(a)anthracene	2.17	mg/Kg	1	2.67	0	81	10 - 165	4	20
Chrysene	2.26	mg/Kg	1	2.67	0.456	68	10 - 165	4	20
Benzo(b)fluoranthene	2.32	mg/Kg	1	2.67	0.461	70	10 - 165	6	20
Benzo(k)fluoranthene	2.22	mg/Kg	1	2.67	0	83	10 - 165	3	20
Benzo(a)pyrene	2.31	mg/Kg	1	2.67	0	86	10 - 165	5	20
Indeno(1,2,3-cd)pyrene	2.57	mg/Kg	1	2.67	0	96	10 - 165	4	20
Dibenzo(a,h)anthracene	2.37	mg/Kg	1	2.67	0	89	10 - 165	4	20
Benzo(g,h,i)perylene	2.52	mg/Kg	1	2.67	0	94	10 - 165	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	1.10	1.08	mg/Kg	1	2.67	41	40	10 - 103
Phenol-d5	1.33	1.34	mg/Kg	1	2.67	50	50	10 - 120
Nitrobenzene-d5	1.55	1.49	mg/Kg	1	2.67	58	56	10 - 125
2-Fluorobiphenyl	1.55	1.51	mg/Kg	1	2.67	58	56	10 - 123
2,4,6-Tribromophenol	2.94	2.81	mg/Kg	1	2.67	110	105	14.4 - 145
Terphenyl-d14	2.33	2.25	mg/Kg	1	2.67	87	84	16.3 - 168

Matrix Spike (MS-1) Spiked Sample: 130275

QC Batch: 39355 Date Analyzed: 2007-07-23 Analyzed By: JG
Prep Batch: 34071 QC Preparation: 2007-07-23 Prepared By: JG

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		521	µg/Kg	1	500	<0.825	104	70.6 - 131
Dichlorodifluoromethane		397	µg/Kg	1	500	<0.889	79	52.9 - 135
Chloromethane (methyl chloride)	[10]	285	µg/Kg	1	500	<0.929	57	60.7 - 119
Vinyl Chloride		381	µg/Kg	1	500	<0.463	76	66 - 119
Bromomethane (methyl bromide)		102	µg/Kg	1	500	<1.71	20	15.5 - 148
Chloroethane	[11]	56.0	µg/Kg	1	500	<3.68	11	42.5 - 123
Trichlorofluoromethane	[12]	54.7	µg/Kg	1	500	<0.306	11	50.7 - 144
Acetone		475	µg/Kg	1	500	<1.70	95	10 - 161
Iodomethane (methyl iodide)	[13]	604	µg/Kg	1	500	<0.640	121	75.9 - 111
Carbon Disulfide		443	µg/Kg	1	500	<0.346	89	64 - 121
Acrylonitrile		434	µg/Kg	1	500	<1.51	87	77.7 - 116
2-Butanone (MEK)	[14]	712	µg/Kg	1	500	<3.78	142	28.3 - 136
4-Methyl-2-pentanone (MIBK)		493	µg/Kg	1	500	<7.86	99	78.8 - 115
2-Hexanone		505	µg/Kg	1	500	<5.70	101	34.9 - 129
trans 1,4-Dichloro-2-butene		429	µg/Kg	1	500	<1.33	86	43.6 - 112
1,1-Dichloroethene		486	µg/Kg	1	500	<0.639	97	76.1 - 115
Methylene chloride		484	µg/Kg	1	500	<1.19	97	59.4 - 113
MTBE		435	µg/Kg	1	500	<0.362	87	60 - 129
trans-1,2-Dichloroethene		463	µg/Kg	1	500	<0.419	93	78.2 - 110
1,1-Dichloroethane		429	µg/Kg	1	500	<0.257	86	79.7 - 111
cis-1,2-Dichloroethene		472	µg/Kg	1	500	<0.627	94	78.6 - 111
2,2-Dichloropropane		324	µg/Kg	1	500	<0.593	65	10 - 120
1,2-Dichloroethane (EDC)	[15]	373	µg/Kg	1	500	<0.524	75	75.7 - 123
Chloroform		446	µg/Kg	1	500	<0.440	89	78.4 - 116
1,1,1-Trichloroethane		431	µg/Kg	1	500	<0.750	86	68.9 - 119
1,1-Dichloropropene		471	µg/Kg	1	500	<0.622	94	80.3 - 120
Benzene		490	µg/Kg	1	500	<0.644	98	82.1 - 110
Carbon Tetrachloride		497	µg/Kg	1	500	<0.485	99	60.8 - 138
1,2-Dichloropropane		460	µg/Kg	1	500	<0.547	92	84.2 - 111
Trichloroethene (TCE)	[16]	902	µg/Kg	1	500	<0.836	180	75.5 - 129
Dibromomethane (methylene bromide)		504	µg/Kg	1	500	<0.435	101	81.8 - 117
Bromodichloromethane		467	µg/Kg	1	500	<0.457	93	70 - 130
2-Chloroethyl vinyl ether		466	µg/Kg	1	500	<0.547	93	84.2 - 111
cis-1,3-Dichloropropene		480	µg/Kg	1	500	<0.596	96	75.3 - 114
trans-1,3-Dichloropropene		476	µg/Kg	1	500	<0.561	95	75.7 - 117
Toluene		476	µg/Kg	1	500	<1.12	95	82.3 - 108
1,1,2-Trichloroethane		481	µg/Kg	1	500	<3.25	96	83.4 - 113
1,3-Dichloropropane		463	µg/Kg	1	500	<0.505	93	88.2 - 115
Dibromochloromethane		562	µg/Kg	1	500	<0.552	112	78.2 - 127
1,2-Dibromoethane (EDB)		540	µg/Kg	1	500	<0.688	108	88.9 - 115

continued ...

[10] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[11] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[12] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[13] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[14] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[15] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[16] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued . . .

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Tetrachloroethene (PCE)	[17]	1040	µg/Kg	1	500	<0.826	208	35.1 - 201
Chlorobenzene		533	µg/Kg	1	500	<0.426	107	84.1 - 111
1,1,1,2-Tetrachloroethane		522	µg/Kg	1	500	<0.289	104	77.2 - 129
Ethylbenzene		486	µg/Kg	1	500	<0.376	97	81.2 - 113
m,p-Xylene		995	µg/Kg	1	1000	<0.714	100	79 - 118
Bromoform		570	µg/Kg	1	500	<0.426	114	70.1 - 136
Styrene	[18]	601	µg/Kg	1	500	<0.796	120	86.8 - 112
o-Xylene		501	µg/Kg	1	500	<0.679	100	78.7 - 120
1,1,2,2-Tetrachloroethane	[19]	87.8	µg/Kg	1	500	<0.703	18	55.8 - 131
2-Chlorotoluene		463	µg/Kg	1	500	<1.26	93	72.4 - 128
1,2,3-Trichloropropane		432	µg/Kg	1	500	<0.504	86	80.5 - 119
Isopropylbenzene		480	µg/Kg	1	500	<1.30	96	73.5 - 130
Bromobenzene		453	µg/Kg	1	500	<0.480	91	75.5 - 129
n-Propylbenzene		456	µg/Kg	1	500	<0.421	91	70.5 - 123
1,3,5-Trimethylbenzene		505	µg/Kg	1	500	<2.10	101	59.2 - 141
tert-Butylbenzene		516	µg/Kg	1	500	<0.410	103	55.6 - 142
1,2,4-Trimethylbenzene		546	µg/Kg	1	500	<0.535	109	50 - 150
1,4-Dichlorobenzene (para)		538	µg/Kg	1	500	<0.387	108	63.6 - 127
sec-Butylbenzene		496	µg/Kg	1	500	<0.632	99	52.8 - 134
1,3-Dichlorobenzene (meta)		556	µg/Kg	1	500	<0.534	111	75.6 - 125
p-Isopropyltoluene		534	µg/Kg	1	500	<0.679	107	46.1 - 145
4-Chlorotoluene		488	µg/Kg	1	500	<0.675	98	78.4 - 126
1,2-Dichlorobenzene (ortho)		571	µg/Kg	1	500	<0.475	114	76.3 - 127
n-Butylbenzene		511	µg/Kg	1	500	<0.979	102	45.3 - 135
1,2-Dibromo-3-chloropropane		444	µg/Kg	1	500	<0.883	89	60.8 - 136
1,2,3-Trichlorobenzene		671	µg/Kg	1	500	<3.64	134	20.8 - 136
1,2,4-Trichlorobenzene		744	µg/Kg	1	500	<2.28	149	15 - 172
Naphthalene		667	µg/Kg	1	500	<4.41	133	10 - 219
Hexachlorobutadiene	[20]	705	µg/Kg	1	500	<3.24	141	55.4 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		494	µg/Kg	1	500	<0.825	99	70.6 - 131	5	20
Dichlorodifluoromethane		400	µg/Kg	1	500	<0.889	80	52.9 - 135	1	20
Chloromethane (methyl chloride)	[21]	288	µg/Kg	1	500	<0.929	58	60.7 - 119	1	20
Vinyl Chloride		393	µg/Kg	1	500	<0.463	79	66 - 119	3	20
Bromomethane (methyl bromide)		93.8	µg/Kg	1	500	<1.71	19	15.5 - 148	8	20
Chloroethane	[22]	50.6	µg/Kg	1	500	<3.68	10	42.5 - 123	10	20
Trichlorofluoromethane	[23]	52.1	µg/Kg	1	500	<0.306	10	50.7 - 144	5	20
Acetone	[24]	724	µg/Kg	1	500	<1.70	145	10 - 161	42	20
Iodomethane (methyl iodide)	[25]	568	µg/Kg	1	500	<0.640	114	75.9 - 111	6	20

continued . . .

[17] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[18] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[19] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[20] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[21] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[22] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[23] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[24] RPD out of control due to purging characteristics of ketones. •
[25] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued ...

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Carbon Disulfide		419	µg/Kg	1	500	<0.346	84	64 - 121	6	20
Acrylonitrile		400	µg/Kg	1	500	<1.51	80	77.7 - 116	8	20
2-Butanone (MEK)		660	µg/Kg	1	500	<3.78	132	28.3 - 136	8	20
4-Methyl-2-pentanone (MIBK)		462	µg/Kg	1	500	<7.86	92	78.8 - 115	6	20
2-Hexanone		433	µg/Kg	1	500	<5.70	87	34.9 - 129	15	20
trans 1,4-Dichloro-2-butene		376	µg/Kg	1	500	<1.33	75	43.6 - 112	13	20
1,1-Dichloroethene		456	µg/Kg	1	500	<0.639	91	76.1 - 115	6	20
Methylene chloride		457	µg/Kg	1	500	<1.19	91	59.4 - 113	6	20
MTBE		408	µg/Kg	1	500	<0.362	82	60 - 129	6	20
trans-1,2-Dichloroethene		437	µg/Kg	1	500	<0.419	87	78.2 - 110	6	20
1,1-Dichloroethane		406	µg/Kg	1	500	<0.257	81	79.7 - 111	6	20
cis-1,2-Dichloroethene		446	µg/Kg	1	500	<0.627	89	78.6 - 111	6	20
2,2-Dichloropropane		304	µg/Kg	1	500	<0.593	61	10 - 120	6	20
1,2-Dichloroethane (EDC)	[26]	351	µg/Kg	1	500	<0.524	70	75.7 - 123	6	20
Chloroform		422	µg/Kg	1	500	<0.440	84	78.4 - 116	6	20
1,1,1-Trichloroethane		408	µg/Kg	1	500	<0.750	82	68.9 - 119	6	20
1,1-Dichloropropene		450	µg/Kg	1	500	<0.622	90	80.3 - 120	5	20
Benzene		464	µg/Kg	1	500	<0.644	93	82.1 - 110	5	20
Carbon Tetrachloride		475	µg/Kg	1	500	<0.485	95	60.8 - 138	4	20
1,2-Dichloropropane		437	µg/Kg	1	500	<0.547	87	84.2 - 111	5	20
Trichloroethene (TCE)	[27]	853	µg/Kg	1	500	<0.836	171	75.5 - 129	6	20
Dibromomethane (methylene bromide)		472	µg/Kg	1	500	<0.435	94	81.8 - 117	7	20
Bromodichloromethane		441	µg/Kg	1	500	<0.457	88	70 - 130	6	20
2-Chloroethyl vinyl ether		442	µg/Kg	1	500	<0.547	88	84.2 - 111	5	20
cis-1,3-Dichloropropene		456	µg/Kg	1	500	<0.596	91	75.3 - 114	5	20
trans-1,3-Dichloropropene		448	µg/Kg	1	500	<0.561	90	75.7 - 117	6	20
Toluene		452	µg/Kg	1	500	<1.12	90	82.3 - 108	5	20
1,1,2-Trichloroethane		446	µg/Kg	1	500	<3.25	89	83.4 - 113	8	20
1,3-Dichloropropane	[28]	437	µg/Kg	1	500	<0.505	87	88.2 - 115	6	20
Dibromochloromethane		503	µg/Kg	1	500	<0.552	101	78.2 - 127	11	20
1,2-Dibromoethane (EDB)		509	µg/Kg	1	500	<0.688	102	88.9 - 115	6	20
Tetrachloroethene (PCE)		1000	µg/Kg	1	500	<0.826	200	35.1 - 201	4	20
Chlorobenzene		506	µg/Kg	1	500	<0.426	101	84.1 - 111	5	20
1,1,1,2-Tetrachloroethane		504	µg/Kg	1	500	<0.289	101	77.2 - 129	4	20
Ethylbenzene		471	µg/Kg	1	500	<0.376	94	81.2 - 113	3	20
m,p-Xylene		951	µg/Kg	1	1000	<0.714	95	79 - 118	4	20
Bromoform		537	µg/Kg	1	500	<0.426	107	70.1 - 136	6	20
Styrene	[29]	574	µg/Kg	1	500	<0.796	115	86.8 - 112	5	20
o-Xylene		480	µg/Kg	1	500	<0.679	96	78.7 - 120	4	20
1,1,2,2-Tetrachloroethane	[30]	82.0	µg/Kg	1	500	<0.703	16	55.8 - 131	7	20
2-Chlorotoluene		447	µg/Kg	1	500	<1.26	89	72.4 - 128	4	20
1,2,3-Trichloropropane		406	µg/Kg	1	500	<0.504	81	80.5 - 119	6	20
Isopropylbenzene		466	µg/Kg	1	500	<1.30	93	73.5 - 130	3	20
Bromobenzene		432	µg/Kg	1	500	<0.480	86	75.5 - 129	5	20
n-Propylbenzene		436	µg/Kg	1	500	<0.421	87	70.5 - 123	4	20
1,3,5-Trimethylbenzene		484	µg/Kg	1	500	<2.10	97	59.2 - 141	4	20

continued ...

[26] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[27] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[28] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[29] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[30] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued . . .

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
tert-Butylbenzene		503	μg/Kg	1	500	<0.410	101	55.6 - 142	3	20
1,2,4-Trimethylbenzene		508	μg/Kg	1	500	<0.535	102	50 - 150	7	20
1,4-Dichlorobenzene (para)		516	μg/Kg	1	500	<0.387	103	63.6 - 127	4	20
sec-Butylbenzene		483	μg/Kg	1	500	<0.632	97	52.8 - 134	3	20
1,3-Dichlorobenzene (meta)		536	μg/Kg	1	500	<0.534	107	75.6 - 125	4	20
p-Isopropyltoluene		515	μg/Kg	1	500	<0.679	103	46.1 - 145	4	20
4-Chlorotoluene		470	μg/Kg	1	500	<0.675	94	78.4 - 126	4	20
1,2-Dichlorobenzene (ortho)		552	μg/Kg	1	500	<0.475	110	76.3 - 127	3	20
n-Butylbenzene		498	μg/Kg	1	500	<0.979	100	45.3 - 135	3	20
1,2-Dibromo-3-chloropropane		479	μg/Kg	1	500	<0.883	96	60.8 - 136	8	20
1,2,3-Trichlorobenzene	[31]	965	μg/Kg	1	500	<3.64	193	20.8 - 136	36	20
1,2,4-Trichlorobenzene		836	μg/Kg	1	500	<2.28	167	15 - 172	12	20
Naphthalene	[32]	867	μg/Kg	1	500	<4.41	173	10 - 219	26	20
Hexachlorobutadiene	[33]	727	μg/Kg	1	500	<3.24	145	55.4 - 122	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	427	420	μg/Kg	1	500	85	84	79.1 - 110
Toluene-d8	484	482	μg/Kg	1	500	97	96	84.3 - 108
4-Bromofluorobenzene (4-BFB)	499	492	μg/Kg	1	500	100	98	84.5 - 109

Standard (ICV-1)

QC Batch: 39218 Date Analyzed: 2007-07-18 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	265	106	85 - 115	2007-07-18

Standard (CCV-1)

QC Batch: 39218 Date Analyzed: 2007-07-18 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	255	102	85 - 115	2007-07-18

Standard (CCV-2)

QC Batch: 39218 Date Analyzed: 2007-07-18 Analyzed By: TG

[31] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[32] RPD out of control due to carryover. •
[33] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	255	102	85 - 115	2007-07-18

Standard (CCV-1)

QC Batch: 39273 Date Analyzed: 2007-07-19 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60.0	59.0	98	80 - 120	2007-07-19
1,4-Dichlorobenzene (para)		mg/Kg	60.0	59.1	98	80 - 120	2007-07-19
2-Nitrophenol		mg/Kg	60.0	62.8	105	80 - 120	2007-07-19
2,4-Dichlorophenol		mg/Kg	60.0	68.2	114	80 - 120	2007-07-19
Hexachlorobutadiene		mg/Kg	60.0	69.1	115	80 - 120	2007-07-19
4-Chloro-3-methylphenol		mg/Kg	60.0	67.2	112	80 - 120	2007-07-19
2,4,6-Trichlorophenol		mg/Kg	60.0	64.2	107	80 - 120	2007-07-19
Acenaphthene		mg/Kg	60.0	56.0	93	80 - 120	2007-07-19
Diphenylamine		mg/Kg	60.0	61.5	102	80 - 120	2007-07-19
Pentachlorophenol		mg/Kg	60.0	69.2	115	80 - 120	2007-07-19
Fluoranthene		mg/Kg	60.0	60.3	100	80 - 120	2007-07-19
Di-n-octylphthalate		mg/Kg	60.0	49.2	82	80 - 120	2007-07-19
Benzo(a)pyrene		mg/Kg	60.0	58.9	98	80 - 120	2007-07-19

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		56.9	mg/Kg	1	60.0	95	80 - 120
Phenol-d5		54.4	mg/Kg	1	60.0	91	80 - 120
Nitrobenzene-d5		64.9	mg/Kg	1	60.0	108	80 - 120
2-Fluorobiphenyl		55.8	mg/Kg	1	60.0	93	80 - 120
2,4,6-Tribromophenol	[34]	76.3	mg/Kg	1	60.0	127	80 - 120
Terphenyl-d14		62.5	mg/Kg	1	60.0	104	80 - 120

Standard (CCV-1)

QC Batch: 39355 Date Analyzed: 2007-07-23 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/Kg	50.0	49.2	98	70 - 130	2007-07-23
Dichlorodifluoromethane		µg/Kg	50.0	52.2	104	70 - 130	2007-07-23
Chloromethane (methyl chloride)		µg/Kg	50.0	38.7	77	70 - 130	2007-07-23
Vinyl Chloride		µg/Kg	50.0	47.4	95	80 - 120	2007-07-23
Bromomethane (methyl bromide)		µg/Kg	50.0	51.2	102	70 - 130	2007-07-23
Chloroethane		µg/Kg	50.0	42.7	85	70 - 130	2007-07-23
Trichlorofluoromethane		µg/Kg	50.0	51.2	102	70 - 130	2007-07-23

continued ...

[34] 2,4,6-Tribromophenol outside of control limits on CCV(ICV). CCV(ICV) component average is 103% which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Acetone	[35]	µg/Kg	50.0	73.5	147	70 - 130	2007-07-23
Iodomethane (methyl iodide)		µg/Kg	50.0	58.2	116	70 - 130	2007-07-23
Carbon Disulfide		µg/Kg	50.0	51.1	102	70 - 130	2007-07-23
Acrylonitrile		µg/Kg	50.0	44.9	90	70 - 130	2007-07-23
2-Butanone (MEK)	[36]	µg/Kg	50.0	67.5	135	70 - 130	2007-07-23
4-Methyl-2-pentanone (MIBK)		µg/Kg	50.0	52.9	106	70 - 130	2007-07-23
2-Hexanone		µg/Kg	50.0	61.5	123	70 - 130	2007-07-23
trans 1,4-Dichloro-2-butene		µg/Kg	50.0	51.1	102	70 - 130	2007-07-23
1,1-Dichloroethene		µg/Kg	50.0	45.9	92	80 - 120	2007-07-23
Methylene chloride		µg/Kg	50.0	45.8	92	70 - 130	2007-07-23
MTBE		µg/Kg	50.0	45.2	90	70 - 130	2007-07-23
trans-1,2-Dichloroethene		µg/Kg	50.0	44.6	89	70 - 130	2007-07-23
1,1-Dichloroethane		µg/Kg	50.0	44.2	88	70 - 130	2007-07-23
cis-1,2-Dichloroethene		µg/Kg	50.0	45.1	90	70 - 130	2007-07-23
2,2-Dichloropropane		µg/Kg	50.0	49.1	98	70 - 130	2007-07-23
1,2-Dichloroethane (EDC)		µg/Kg	50.0	39.9	80	70 - 130	2007-07-23
Chloroform		µg/Kg	50.0	43.6	87	80 - 120	2007-07-23
1,1,1-Trichloroethane		µg/Kg	50.0	44.8	90	70 - 130	2007-07-23
1,1-Dichloropropene		µg/Kg	50.0	45.6	91	70 - 130	2007-07-23
Benzene		µg/Kg	50.0	45.9	92	70 - 130	2007-07-23
Carbon Tetrachloride		µg/Kg	50.0	50.7	101	70 - 130	2007-07-23
1,2-Dichloropropane		µg/Kg	50.0	45.3	91	80 - 120	2007-07-23
Trichloroethene (TCE)		µg/Kg	50.0	49.3	99	70 - 130	2007-07-23
Dibromomethane (methylene bromide)		µg/Kg	50.0	49.0	98	70 - 130	2007-07-23
Bromodichloromethane		µg/Kg	50.0	46.0	92	70 - 130	2007-07-23
2-Chloroethyl vinyl ether		µg/Kg	50.0	45.9	92	70 - 130	2007-07-23
cis-1,3-Dichloropropene		µg/Kg	50.0	49.8	100	70 - 130	2007-07-23
trans-1,3-Dichloropropene		µg/Kg	50.0	50.9	102	70 - 130	2007-07-23
Toluene		µg/Kg	50.0	44.4	89	80 - 120	2007-07-23
1,1,2-Trichloroethane		µg/Kg	50.0	46.3	93	70 - 130	2007-07-23
1,3-Dichloropropane		µg/Kg	50.0	46.1	92	70 - 130	2007-07-23
Dibromochloromethane		µg/Kg	50.0	52.0	104	70 - 130	2007-07-23
1,2-Dibromoethane (EDB)		µg/Kg	50.0	50.6	101	70 - 130	2007-07-23
Tetrachloroethene (PCE)		µg/Kg	50.0	51.4	103	70 - 130	2007-07-23
Chlorobenzene		µg/Kg	50.0	47.3	95	80 - 120	2007-07-23
1,1,1,2-Tetrachloroethane		µg/Kg	50.0	50.5	101	70 - 130	2007-07-23
Ethylbenzene		µg/Kg	50.0	46.2	92	80 - 120	2007-07-23
m,p-Xylene		µg/Kg	100	92.0	92	70 - 130	2007-07-23
Bromoform		µg/Kg	50.0	61.0	122	70 - 130	2007-07-23
Styrene		µg/Kg	50.0	54.9	110	70 - 130	2007-07-23
o-Xylene		µg/Kg	50.0	47.4	95	70 - 130	2007-07-23
1,1,2,2-Tetrachloroethane		µg/Kg	50.0	47.8	96	70 - 130	2007-07-23
2-Chlorotoluene		µg/Kg	50.0	43.1	86	70 - 130	2007-07-23
1,2,3-Trichloropropane		µg/Kg	50.0	47.4	95	70 - 130	2007-07-23
Isopropylbenzene		µg/Kg	50.0	43.8	88	70 - 130	2007-07-23

continued ...

[35] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

[36] 2-Butanone outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromobenzene		µg/Kg	50.0	43.4	87	70 - 130	2007-07-23
n-Propylbenzene		µg/Kg	50.0	40.9	82	70 - 130	2007-07-23
1,3,5-Trimethylbenzene		µg/Kg	50.0	43.9	88	70 - 130	2007-07-23
tert-Butylbenzene		µg/Kg	50.0	44.5	89	70 - 130	2007-07-23
1,2,4-Trimethylbenzene		µg/Kg	50.0	44.9	90	70 - 130	2007-07-23
1,4-Dichlorobenzene (para)		µg/Kg	50.0	45.7	91	70 - 130	2007-07-23
sec-Butylbenzene		µg/Kg	50.0	41.7	83	70 - 130	2007-07-23
1,3-Dichlorobenzene (meta)		µg/Kg	50.0	46.9	94	70 - 130	2007-07-23
p-Isopropyltoluene		µg/Kg	50.0	44.2	88	70 - 130	2007-07-23
4-Chlorotoluene		µg/Kg	50.0	43.9	88	70 - 130	2007-07-23
1,2-Dichlorobenzene (ortho)		µg/Kg	50.0	50.3	101	70 - 130	2007-07-23
n-Butylbenzene		µg/Kg	50.0	42.4	85	70 - 130	2007-07-23
1,2-Dibromo-3-chloropropane		µg/Kg	50.0	55.7	111	70 - 130	2007-07-23
1,2,3-Trichlorobenzene	[37]	µg/Kg	50.0	70.7	141	70 - 130	2007-07-23
1,2,4-Trichlorobenzene		µg/Kg	50.0	59.6	119	70 - 130	2007-07-23
Naphthalene	[38]	µg/Kg	50.0	69.8	140	70 - 130	2007-07-23
Hexachlorobutadiene		µg/Kg	50.0	51.9	104	70 - 130	2007-07-23

Standard (CCV-2)

QC Batch: 39355 Date Analyzed: 2007-07-23 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/Kg	50.0	47.2	94	70 - 130	2007-07-23
Dichlorodifluoromethane		µg/Kg	50.0	47.0	94	70 - 130	2007-07-23
Chloromethane (methyl chloride)	[39]	µg/Kg	50.0	30.3	61	70 - 130	2007-07-23
Vinyl Chloride	[40]	µg/Kg	50.0	37.6	75	80 - 120	2007-07-23
Bromomethane (methyl bromide)		µg/Kg	50.0	37.5	75	70 - 130	2007-07-23
Chloroethane	[41]	µg/Kg	50.0	32.6	65	70 - 130	2007-07-23
Trichlorofluoromethane		µg/Kg	50.0	45.2	90	70 - 130	2007-07-23
Acetone		µg/Kg	50.0	51.4	103	70 - 130	2007-07-23
Iodomethane (methyl iodide)		µg/Kg	50.0	55.4	111	70 - 130	2007-07-23
Carbon Disulfide		µg/Kg	50.0	46.2	92	70 - 130	2007-07-23
Acrylonitrile		µg/Kg	50.0	41.0	82	70 - 130	2007-07-23
2-Butanone (MEK)		µg/Kg	50.0	51.3	103	70 - 130	2007-07-23
4-Methyl-2-pentanone (MIBK)		µg/Kg	50.0	51.8	104	70 - 130	2007-07-23
2-Hexanone		µg/Kg	50.0	42.5	85	70 - 130	2007-07-23
trans 1,4-Dichloro-2-butene		µg/Kg	50.0	40.2	80	70 - 130	2007-07-23

continued ...

[37] 1,2,3-Tichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

[38] Naphthanlene outside of control limits on CCV(ICV). CCV(ICV) component average is 100 which is within acceptable range. This is acceptable by Method 8000.

[39] Chloromethane outside of control limits on CCV(ICV). CCV(ICV) component average is 93 which is within acceptable range. This is acceptable by Method 8000.

[40] Vinyl Chloride outside of control limits on CCV(ICV). CCV(ICV) component average is 93 which is within acceptable range. This is acceptable by Method 8000.

[41] Chloroethane outside of control limits on CCV(ICV). CCV(ICV) component average is 93 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,1-Dichloroethene		µg/Kg	50.0	43.1	86	80 - 120	2007-07-23
Methylene chloride		µg/Kg	50.0	42.2	84	70 - 130	2007-07-23
MTBE		µg/Kg	50.0	42.3	85	70 - 130	2007-07-23
trans-1,2-Dichloroethene		µg/Kg	50.0	41.6	83	70 - 130	2007-07-23
1,1-Dichloroethane		µg/Kg	50.0	40.1	80	70 - 130	2007-07-23
cis-1,2-Dichloroethene		µg/Kg	50.0	42.6	85	70 - 130	2007-07-23
2,2-Dichloropropane	[42]	µg/Kg	50.0	29.3	59	70 - 130	2007-07-23
1,2-Dichloroethane (EDC)		µg/Kg	50.0	35.4	71	70 - 130	2007-07-23
Chloroform		µg/Kg	50.0	40.2	80	80 - 120	2007-07-23
1,1,1-Trichloroethane		µg/Kg	50.0	41.2	82	70 - 130	2007-07-23
1,1-Dichloropropene		µg/Kg	50.0	42.9	86	70 - 130	2007-07-23
Benzene		µg/Kg	50.0	44.1	88	70 - 130	2007-07-23
Carbon Tetrachloride		µg/Kg	50.0	46.3	93	70 - 130	2007-07-23
1,2-Dichloropropane		µg/Kg	50.0	42.5	85	80 - 120	2007-07-23
Trichloroethene (TCE)		µg/Kg	50.0	49.1	98	70 - 130	2007-07-23
Dibromomethane (methylene bromide)		µg/Kg	50.0	47.0	94	70 - 130	2007-07-23
Bromodichloromethane		µg/Kg	50.0	42.6	85	70 - 130	2007-07-23
2-Chloroethyl vinyl ether		µg/Kg	50.0	43.0	86	70 - 130	2007-07-23
cis-1,3-Dichloropropene		µg/Kg	50.0	44.0	88	70 - 130	2007-07-23
trans-1,3-Dichloropropene		µg/Kg	50.0	44.6	89	70 - 130	2007-07-23
Toluene		µg/Kg	50.0	42.7	85	80 - 120	2007-07-23
1,1,2-Trichloroethane		µg/Kg	50.0	45.3	91	70 - 130	2007-07-23
1,3-Dichloropropane		µg/Kg	50.0	44.0	88	70 - 130	2007-07-23
Dibromochloromethane		µg/Kg	50.0	50.2	100	70 - 130	2007-07-23
1,2-Dibromoethane (EDB)		µg/Kg	50.0	50.8	102	70 - 130	2007-07-23
Tetrachloroethene (PCE)		µg/Kg	50.0	63.8	128	70 - 130	2007-07-23
Chlorobenzene		µg/Kg	50.0	46.3	93	80 - 120	2007-07-23
1,1,1,2-Tetrachloroethane		µg/Kg	50.0	47.6	95	70 - 130	2007-07-23
Ethylbenzene		µg/Kg	50.0	44.0	88	80 - 120	2007-07-23
m,p-Xylene		µg/Kg	100	87.2	87	70 - 130	2007-07-23
Bromoform		µg/Kg	50.0	58.0	116	70 - 130	2007-07-23
Styrene		µg/Kg	50.0	52.9	106	70 - 130	2007-07-23
o-Xylene		µg/Kg	50.0	44.6	89	70 - 130	2007-07-23
1,1,2,2-Tetrachloroethane		µg/Kg	50.0	46.4	93	70 - 130	2007-07-23
2-Chlorotoluene		µg/Kg	50.0	41.0	82	70 - 130	2007-07-23
1,2,3-Trichloropropane		µg/Kg	50.0	43.4	87	70 - 130	2007-07-23
Isopropylbenzene		µg/Kg	50.0	42.2	84	70 - 130	2007-07-23
Bromobenzene		µg/Kg	50.0	41.1	82	70 - 130	2007-07-23
n-Propylbenzene		µg/Kg	50.0	39.1	78	70 - 130	2007-07-23
1,3,5-Trimethylbenzene		µg/Kg	50.0	42.1	84	70 - 130	2007-07-23
tert-Butylbenzene		µg/Kg	50.0	43.5	87	70 - 130	2007-07-23
1,2,4-Trimethylbenzene		µg/Kg	50.0	43.6	87	70 - 130	2007-07-23
1,4-Dichlorobenzene (para)		µg/Kg	50.0	45.0	90	70 - 130	2007-07-23
sec-Butylbenzene		µg/Kg	50.0	40.3	81	70 - 130	2007-07-23
1,3-Dichlorobenzene (meta)		µg/Kg	50.0	46.4	93	70 - 130	2007-07-23
p-Isopropyltoluene		µg/Kg	50.0	42.8	86	70 - 130	2007-07-23
4-Chlorotoluene		µg/Kg	50.0	42.1	84	70 - 130	2007-07-23

continued ...

[42] 2,2-Dichloropropane outside of control limits on CCV(ICV). CCV(ICV) component average is 93 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2-Dichlorobenzene (ortho)		µg/Kg	50.0	49.8	100	70 - 130	2007-07-23
n-Butylbenzene		µg/Kg	50.0	40.8	82	70 - 130	2007-07-23
1,2-Dibromo-3-chloropropane		µg/Kg	50.0	55.0	110	70 - 130	2007-07-23
1,2,3-Trichlorobenzene	[43]	µg/Kg	50.0	75.2	150	70 - 130	2007-07-23
1,2,4-Trichlorobenzene		µg/Kg	50.0	64.0	128	70 - 130	2007-07-23
Naphthalene	[44]	µg/Kg	50.0	82.3	165	70 - 130	2007-07-23
Hexachlorobutadiene		µg/Kg	50.0	53.3	107	70 - 130	2007-07-23

[43] 1,2,3-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 93 which is within acceptable range. This is acceptable by Method 8000.

[44] Naphthalene outside of control limits on CCV(ICV). CCV(ICV) component average is 93 which is within acceptable range. This is acceptable by Method 8000.

7071819

P.O. BOX 363, Bldg 126, 3rd Floor, WSMR, NM 88002
Office: (505) 678-0263 Fax: (505) 678-6096

900

WES

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.

PROJECT NAME: POL ASTS

SAMPLER'S SIGNATURE

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH DRO	VOCs	SVOCs	REMARKS
7-17-07	1045	0213-CF-001-20.0	Soil	130271	1	X	X	X	
7-17-07	1050	0213-CF-002-15.0	Soil	272	1	X	X	X	
7-17-07	1055	0213-CF-003-15.0	Soil	273	1	X	X	X	
7-17-07	1045	0213-CF-101-20.0	Soil	274	1	X	X	X	
7-17-07	1210	0213-CF-004-15.0	Soil	275	1	X	X	X	
7-17-07	1230	0213-CF-005-15.0	Soil	276	1	X	X	X	
7-17-07	1300	0213-CF-006-20.0	Soil	277	1	X	X	X	
7-17-07	1315	0213-CF-EB-005-0707	Water	278	7	X	X	X	
7-17-07	1315	0213-TB-900-0707	Water	279	2		X		
		Temperature Blank	Water		1				Temperature Blank

130271 + 132274 label - lids do not match; assigned by jar label.

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS		(PRINTED NAME) GABRIEL GARCIA	(PRINTED NAME)	(PRINTED NAME) Sabrina Multer
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
	GOOD CONDITION/CHILLED	4°	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 07/18/07 930
VIA: Fed EX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: Rush on TPH DRO - 1 day verbal Brad Davis (505) 993-6890		

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - ...

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: July 24, 2007

Work Order: 7070603

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
129151	0209-EB-002-0707	water	2007-07-03	11:40	2007-07-06
129152	0209-TB-897-0707	water	2007-07-03	11:40	2007-07-06

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 23 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-06 and assigned to work order 7070603. Samples for work order 7070603 were received intact without headspace and at a temperature of 3.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C
TPH DRO	Mod. 8015B
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7070603 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 129151 - 0209-EB-002-0707

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	39096	Date Analyzed:	2007-07-12	Analyzed By:	DS
Prep Batch:	33841	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500	mg/L	1	0.00500
Isophorone		<0.00500	mg/L	1	0.00500
2-Nitrophenol		<0.00500	mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500	mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500	mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500	mg/L	1	0.00500
Benzoic acid		<0.00500	mg/L	1	0.00500
Naphthalene		<0.00500	mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500	mg/L	1	0.00500
4-Chloroaniline		<0.00500	mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100	mg/L	1	0.0100
Hexachlorobutadiene		<0.00500	mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500	mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500	mg/L	1	0.00500
2-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500	mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500	mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100	mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500	mg/L	1	0.00500
2-Chloronaphthalene		<0.00500	mg/L	1	0.00500
1-Chloronaphthalene		<0.00500	mg/L	1	0.00500
2-Nitroaniline		<0.00500	mg/L	1	0.00500

continued ...

sample 129151 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.00500	mg/L	1	0.00500
Acenaphthylene		<0.00500	mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500	mg/L	1	0.00500
3-Nitroaniline		<0.00500	mg/L	1	0.00500
Acenaphthene		<0.00500	mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500	mg/L	1	0.00500
Dibenzofuran		<0.00500	mg/L	1	0.00500
Pentachlorobenzene		<0.00500	mg/L	1	0.00500
4-Nitrophenol		<0.0250	mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500	mg/L	1	0.00500
1-Naphthylamine		<0.00500	mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100	mg/L	1	0.0100
2-Naphthylamine		<0.00500	mg/L	1	0.00500
Fluorene		<0.00500	mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500	mg/L	1	0.00500
Diethylphthalate		<0.00500	mg/L	1	0.00500
4-Nitroaniline		<0.00500	mg/L	1	0.00500
Diphenylhydrazine		<0.00500	mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500	mg/L	1	0.00500
Diphenylamine		<0.00500	mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500	mg/L	1	0.00500
Phenacetin		<0.00500	mg/L	1	0.00500
Hexachlorobenzene		<0.00500	mg/L	1	0.00500
4-Aminobiphenyl		<0.00500	mg/L	1	0.00500
Pentachlorophenol		<0.0100	mg/L	1	0.0100
Anthracene		<0.00500	mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500	mg/L	1	0.00500
Pronamide		<0.00500	mg/L	1	0.00500
Phenanthrene		<0.00500	mg/L	1	0.00500
Di-n-butylphthalate		<0.00500	mg/L	1	0.00500
Fluoranthene		<0.00500	mg/L	1	0.00500
Benzidine		<0.0250	mg/L	1	0.0250
Pyrene		<0.00500	mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500	mg/L	1	0.00500
Butylbenzylphthalate		<0.00500	mg/L	1	0.00500
Benzo(a)anthracene		<0.00500	mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500	mg/L	1	0.00500
Chrysene		<0.00500	mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500	mg/L	1	0.00500
Di-n-octylphthalate		<0.00500	mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500	mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500	mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500	mg/L	1	0.00500
Benzo(a)pyrene		<0.00500	mg/L	1	0.00500
3-Methylcholanthrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500	mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500	mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500	mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0172	mg/L	1	0.0800	22	10 - 84.7
Phenol-d5		0.0121	mg/L	1	0.0800	15	10 - 54.9
Nitrobenzene-d5		0.0372	mg/L	1	0.0800	46	10 - 202
2-Fluorobiphenyl		0.0385	mg/L	1	0.0800	48	10 - 199
2,4,6-Tribromophenol		0.0398	mg/L	1	0.0800	50	10 - 141
Terphenyl-d14		0.0486	mg/L	1	0.0800	61	10 - 160

Sample: 129151 - 0209-EB-002-0707

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38857	Date Analyzed:	2007-07-06	Analyzed By:	TG
Prep Batch:	33631	Sample Preparation:	2007-07-06	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		19.0	mg/L	1	15.0	127	40.7 - 174

Sample: 129151 - 0209-EB-002-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38872	Date Analyzed:	2007-07-06	Analyzed By:	JG
Prep Batch:	33645	Sample Preparation:	2007-07-06	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	μg/L	1	1.00
Dichlorodifluoromethane		<1.00	μg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	μg/L	1	1.00
Vinyl Chloride		<1.00	μg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	μg/L	1	5.00
Chloroethane		<1.00	μg/L	1	1.00
Trichlorofluoromethane		<1.00	μg/L	1	1.00
Acetone		<10.0	μg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	μg/L	1	5.00
Carbon Disulfide		<1.00	μg/L	1	1.00
Acrylonitrile		<1.00	μg/L	1	1.00
2-Butanone (MEK)		<5.00	μg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	μg/L	1	5.00
2-Hexanone		<5.00	μg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	μg/L	1	10.0
1,1-Dichloroethene		<1.00	μg/L	1	1.00
Methylene chloride		<5.00	μg/L	1	5.00
MTBE		<1.00	μg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	μg/L	1	1.00
1,1-Dichloroethane		<1.00	μg/L	1	1.00

continued ...

sample 129151 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
cis-1,2-Dichloroethene		<1.00	μg/L	1	1.00
2,2-Dichloropropane		<1.00	μg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	μg/L	1	1.00
Chloroform		<1.00	μg/L	1	1.00
1,1,1-Trichloroethane		<1.00	μg/L	1	1.00
1,1-Dichloropropene		<1.00	μg/L	1	1.00
Benzene		<1.00	μg/L	1	1.00
Carbon Tetrachloride		<1.00	μg/L	1	1.00
1,2-Dichloropropane		<1.00	μg/L	1	1.00
Trichloroethene (TCE)		<1.00	μg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	μg/L	1	1.00
Bromodichloromethane		<1.00	μg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	μg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	μg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	μg/L	1	1.00
Toluene		<1.00	μg/L	1	1.00
1,1,2-Trichloroethane		<1.00	μg/L	1	1.00
1,3-Dichloropropane		<1.00	μg/L	1	1.00
Dibromochloromethane		<1.00	μg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	μg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	μg/L	1	1.00
Chlorobenzene		<1.00	μg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	μg/L	1	1.00
Ethylbenzene		<1.00	μg/L	1	1.00
m,p-Xylene		<1.00	μg/L	1	1.00
Bromoform		<1.00	μg/L	1	1.00
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	μg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.6	μg/L	1	50.0	99	82.4 - 115
Toluene-d8		51.0	μg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.8	μg/L	1	50.0	96	84.6 - 114

Sample: 129152 - 0209-TB-897-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38872	Date Analyzed:	2007-07-06	Analyzed By:	JG
Prep Batch:	33645	Sample Preparation:	2007-07-06	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	μg/L	1	1.00
Dichlorodifluoromethane		<1.00	μg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	μg/L	1	1.00
Vinyl Chloride		<1.00	μg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	μg/L	1	5.00
Chloroethane		<1.00	μg/L	1	1.00
Trichlorofluoromethane		**2.83**	μg/L	1	1.00
Acetone		**76.0**	μg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	μg/L	1	5.00
Carbon Disulfide		<1.00	μg/L	1	1.00
Acrylonitrile		<1.00	μg/L	1	1.00
2-Butanone (MEK)		<5.00	μg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	μg/L	1	5.00
2-Hexanone		<5.00	μg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	μg/L	1	10.0
1,1-Dichloroethene		<1.00	μg/L	1	1.00
Methylene chloride		<5.00	μg/L	1	5.00
MTBE		<1.00	μg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	μg/L	1	1.00
1,1-Dichloroethane		<1.00	μg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	μg/L	1	1.00
2,2-Dichloropropane		<1.00	μg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	μg/L	1	1.00
Chloroform		<1.00	μg/L	1	1.00
1,1,1-Trichloroethane		<1.00	μg/L	1	1.00
1,1-Dichloropropene		<1.00	μg/L	1	1.00
Benzene		<1.00	μg/L	1	1.00
Carbon Tetrachloride		<1.00	μg/L	1	1.00
1,2-Dichloropropane		<1.00	μg/L	1	1.00
Trichloroethene (TCE)		<1.00	μg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	μg/L	1	1.00
Bromodichloromethane		<1.00	μg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	μg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	μg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	μg/L	1	1.00
Toluene		<1.00	μg/L	1	1.00
1,1,2-Trichloroethane		<1.00	μg/L	1	1.00
1,3-Dichloropropane		<1.00	μg/L	1	1.00

continued ...

sample 129152 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dibromochloromethane		<1.00	μg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	μg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	μg/L	1	1.00
Chlorobenzene		<1.00	μg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	μg/L	1	1.00
Ethylbenzene		<1.00	μg/L	1	1.00
m,p-Xylene		<1.00	μg/L	1	1.00
Bromoform		<1.00	μg/L	1	1.00
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	μg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.7	μg/L	1	50.0	99	82.4 - 115
Toluene-d8		50.6	μg/L	1	50.0	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.3	μg/L	1	50.0	95	84.6 - 114

Method Blank (1) QC Batch: 38857

QC Batch:	38857	Date Analyzed:	2007-07-06	Analyzed By:	TG
Prep Batch:	33631	QC Preparation:	2007-07-06	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<1.06	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		18.6	mg/L	1	15.0	124	40.7 - 174

Method Blank (1) QC Batch: 38872

QC Batch:	38872	Date Analyzed:	2007-07-06	Analyzed By:	JG
Prep Batch:	33645	QC Preparation:	2007-07-06	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		0.640	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Chlorobenzene		<0.363	μg/L	1
1,1,1,2-Tetrachloroethane		<0.338	μg/L	1
Ethylbenzene		<0.350	μg/L	1
m,p-Xylene		<0.752	μg/L	1
Bromoform		<0.275	μg/L	1
Styrene		<0.395	μg/L	1
o-Xylene		<0.375	μg/L	1
1,1,2,2-Tetrachloroethane		<0.283	μg/L	1
2-Chlorotoluene		<0.445	μg/L	1
1,2,3-Trichloropropane		<0.430	μg/L	1
Isopropylbenzene		<0.521	μg/L	1
Bromobenzene		<0.494	μg/L	1
n-Propylbenzene		<0.483	μg/L	1
1,3,5-Trimethylbenzene		<0.487	μg/L	1
tert-Butylbenzene		<0.496	μg/L	1
1,2,4-Trimethylbenzene		<0.532	μg/L	1
1,4-Dichlorobenzene (para)		<0.413	μg/L	1
sec-Butylbenzene		<0.449	μg/L	1
1,3-Dichlorobenzene (meta)		<0.451	μg/L	1
p-Isopropyltoluene		<0.450	μg/L	1
4-Chlorotoluene		<0.489	μg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	μg/L	1
n-Butylbenzene		<0.461	μg/L	1
1,2-Dibromo-3-chloropropane		<0.532	μg/L	5
1,2,3-Trichlorobenzene		<0.288	μg/L	5
1,2,4-Trichlorobenzene		<0.273	μg/L	5
Naphthalene		0.450	μg/L	5
Hexachlorobutadiene		<0.483	μg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.7	μg/L	1	50.0	103	82.4 - 115
Toluene-d8		51.5	μg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.6	μg/L	1	50.0	95	84.6 - 114

Method Blank (1) QC Batch: 39096

QC Batch:	39096	Date Analyzed:	2007-07-12	Analyzed By:	DS
Prep Batch:	33841	QC Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.00188	mg/L	0.005
N-Nitrosodimethylamine		<0.00180	mg/L	0.005
2-Picoline		<0.00181	mg/L	0.005
Methyl methanesulfonate		<0.00220	mg/L	0.005
Ethyl methanesulfonate		<0.00260	mg/L	0.005
Phenol		<0.00231	mg/L	0.005
Aniline		<0.00200	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
bis(2-chloroethyl)ether		<0.00180	mg/L	0.005
2-Chlorophenol		<0.00190	mg/L	0.005
1,3-Dichlorobenzene (meta)		<0.00181	mg/L	0.005
1,4-Dichlorobenzene (para)		<0.00179	mg/L	0.005
Benzyl alcohol		<0.00244	mg/L	0.005
1,2-Dichlorobenzene (ortho)		<0.00173	mg/L	0.005
2-Methylphenol		<0.00230	mg/L	0.005
bis(2-chloroisopropyl)ether		<0.00209	mg/L	0.005
4-Methylphenol / 3-Methylphenol		<0.00229	mg/L	0.005
N-Nitrosodi-n-propylamine		<0.00236	mg/L	0.005
Hexachloroethane		<0.00189	mg/L	0.005
Acetophenone		<0.00211	mg/L	0.005
Nitrobenzene		<0.00192	mg/L	0.005
N-Nitrosopiperidine		<0.00208	mg/L	0.005
Isophorone		<0.00206	mg/L	0.005
2-Nitrophenol		<0.00189	mg/L	0.005
2,4-Dimethylphenol		<0.00209	mg/L	0.005
bis(2-chloroethoxy)methane		<0.00216	mg/L	0.005
2,4-Dichlorophenol		<0.00192	mg/L	0.005
1,2,4-Trichlorobenzene		<0.00176	mg/L	0.005
Benzoic acid		<0.00765	mg/L	0.005
Naphthalene		<0.00187	mg/L	0.005
a,a-Dimethylphenethylamine		<0.00146	mg/L	0.005
4-Chloroaniline		<0.00210	mg/L	0.005
2,6-Dichlorophenol		<0.00199	mg/L	0.01
Hexachlorobutadiene		<0.00186	mg/L	0.005
N-Nitroso-di-n-butylamine		<0.00214	mg/L	0.005
4-Chloro-3-methylphenol		<0.00182	mg/L	0.005
2-Methylnaphthalene		<0.00206	mg/L	0.005
1-Methylnaphthalene		<0.00205	mg/L	0.005
1,2,4,5-Tetrachlorobenzene		<0.00211	mg/L	0.005
Hexachlorocyclopentadiene		<0.00175	mg/L	0.005
2,4,6-Trichlorophenol		<0.00200	mg/L	0.01
2,4,5-Trichlorophenol		<0.00176	mg/L	0.005
2-Chloronaphthalene		<0.00200	mg/L	0.005
1-Chloronaphthalene		<0.00259	mg/L	0.005
2-Nitroaniline		<0.00167	mg/L	0.005
Dimethylphthalate		<0.00160	mg/L	0.005
Acenaphthylene		<0.00201	mg/L	0.005
2,6-Dinitrotoluene		<0.00158	mg/L	0.005
3-Nitroaniline		<0.00166	mg/L	0.005
Acenaphthene		<0.00191	mg/L	0.005
2,4-Dinitrophenol		<0.000621	mg/L	0.005
Dibenzofuran		<0.00185	mg/L	0.005
Pentachlorobenzene		<0.00189	mg/L	0.005
4-Nitrophenol		<0.00156	mg/L	0.025
2,4-Dinitrotoluene		<0.00187	mg/L	0.005
1-Naphthylamine		<0.00149	mg/L	0.005
2,3,4,6-Tetrachlorophenol		<0.00162	mg/L	0.01
2-Naphthylamine		<0.00157	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Fluorene		<0.00182	mg/L	0.005
4-Chlorophenyl-phenylether		<0.00188	mg/L	0.005
Diethylphthalate		<0.00182	mg/L	0.005
4-Nitroaniline		<0.00182	mg/L	0.005
Diphenylhydrazine		<0.00184	mg/L	0.005
4,6-Dinitro-2-methylphenol		<0.00109	mg/L	0.005
Diphenylamine		<0.00193	mg/L	0.005
4-Bromophenyl-phenylether		<0.00179	mg/L	0.005
Phenacetin		<0.00190	mg/L	0.005
Hexachlorobenzene		<0.00193	mg/L	0.005
4-Aminobiphenyl		<0.00185	mg/L	0.005
Pentachlorophenol		<0.00130	mg/L	0.01
Anthracene		<0.00190	mg/L	0.005
Pentachloronitrobenzene		<0.00187	mg/L	0.005
Pronamide		<0.00182	mg/L	0.005
Phenanthrene		<0.00186	mg/L	0.005
Di-n-butylphthalate		<0.00180	mg/L	0.005
Fluoranthene		<0.00184	mg/L	0.005
Benzidine		<0.00156	mg/L	0.025
Pyrene		<0.00165	mg/L	0.005
p-Dimethylaminoazobenzene		<0.00145	mg/L	0.005
Butylbenzylphthalate		<0.00165	mg/L	0.005
Benzo(a)anthracene		<0.00157	mg/L	0.005
3,3-Dichlorobenzidine		<0.00162	mg/L	0.005
Chrysene		<0.00162	mg/L	0.005
bis(2-ethylhexyl)phthalate		<0.00171	mg/L	0.005
Di-n-octylphthalate		<0.00136	mg/L	0.005
Benzo(b)fluoranthene		<0.00160	mg/L	0.005
Benzo(k)fluoranthene		<0.00179	mg/L	0.005
7,12-Dimethylbenz(a)anthracene		<0.00152	mg/L	0.005
Benzo(a)pyrene		<0.00161	mg/L	0.005
3-Methylcholanthrene		<0.00147	mg/L	0.005
Dibenzo(a,j)acridine		<0.00154	mg/L	0.005
Indeno(1,2,3-cd)pyrene		<0.00160	mg/L	0.005
Dibenzo(a,h)anthracene		<0.00180	mg/L	0.005
Benzo(g,h,i)perylene		<0.00166	mg/L	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0115	mg/L	1	0.0800	14	10 - 66.9
Phenol-d5		0.0105	mg/L	1	0.0800	13	10 - 50.7
Nitrobenzene-d5		0.0505	mg/L	1	0.0800	63	10 - 124
2-Fluorobiphenyl		0.0542	mg/L	1	0.0800	68	10 - 127
2,4,6-Tribromophenol		0.0324	mg/L	1	0.0800	40	10 - 138
Terphenyl-d14		0.0688	mg/L	1	0.0800	86	10 - 143

Laboratory Control Spike (LCS-1)

QC Batch: 38857 Date Analyzed: 2007-07-06 Analyzed By: TG
Prep Batch: 33631 QC Preparation: 2007-07-06 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	28.6	mg/L	1	25.0	<1.06	114	56.9 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	27.2	mg/L	1	25.0	<1.06	109	56.9 - 128	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	19.1	18.9	mg/L	1	15.0	127	126	40.7 - 174

Laboratory Control Spike (LCS-1)

QC Batch: 38872 Date Analyzed: 2007-07-06 Analyzed By: JG
Prep Batch: 33645 QC Preparation: 2007-07-06 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	50.0	µg/L	1	50.0	<0.351	100	85.7 - 113
Dichlorodifluoromethane	51.5	µg/L	1	50.0	<0.306	103	60.3 - 134
Chloromethane (methyl chloride)	52.1	µg/L	1	50.0	<0.240	104	72 - 120
Vinyl Chloride	52.5	µg/L	1	50.0	<0.224	105	64.4 - 132
Bromomethane (methyl bromide)	53.7	µg/L	1	50.0	<0.325	107	65.9 - 133
Chloroethane	51.8	µg/L	1	50.0	<0.303	104	65.3 - 132
Trichlorofluoromethane	54.3	µg/L	1	50.0	<0.255	109	52.7 - 159
Acetone	42.4	µg/L	1	50.0	<1.86	85	10 - 185
Iodomethane (methyl iodide)	49.8	µg/L	1	50.0	<0.397	100	80.9 - 112
Carbon Disulfide	49.9	µg/L	1	50.0	<0.354	100	73.7 - 120
Acrylonitrile	53.1	µg/L	1	50.0	<0.306	106	75.8 - 121
2-Butanone (MEK)	50.3	µg/L	1	50.0	<0.670	101	43.7 - 117
4-Methyl-2-pentanone (MIBK)	50.3	µg/L	1	50.0	<0.463	101	69.3 - 120
2-Hexanone	54.6	µg/L	1	50.0	<0.303	109	35.6 - 138
trans 1,4-Dichloro-2-butene	54.0	µg/L	1	50.0	<0.407	108	40 - 128
1,1-Dichloroethene	49.3	µg/L	1	50.0	<0.326	99	83.4 - 114
Methylene chloride	48.0	µg/L	1	50.0	<0.375	96	62.6 - 119
MTBE	51.0	µg/L	1	50.0	<0.352	102	70 - 132
trans-1,2-Dichloroethene	49.4	µg/L	1	50.0	<0.322	99	83.3 - 114
1,1-Dichloroethane	49.4	µg/L	1	50.0	<0.324	99	87.8 - 113
cis-1,2-Dichloroethene	50.4	µg/L	1	50.0	<0.331	101	83.8 - 115
2,2-Dichloropropane	53.0	µg/L	1	50.0	<0.440	106	37.9 - 136
1,2-Dichloroethane (EDC)	49.2	µg/L	1	50.0	<0.327	98	82.6 - 122
Chloroform	50.0	µg/L	1	50.0	<0.345	100	84.8 - 116
1,1,1-Trichloroethane	49.0	µg/L	1	50.0	<0.303	98	72.9 - 123

continued . . .

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloropropene	49.3	µg/L	1	50.0	<0.356	99	85.9 - 119
Benzene	49.3	µg/L	1	50.0	<0.356	99	83.5 - 115
Carbon Tetrachloride	49.4	µg/L	1	50.0	<0.342	99	62.7 - 144
1,2-Dichloropropane	50.0	µg/L	1	50.0	<0.366	100	88.8 - 114
Trichloroethene (TCE)	48.5	µg/L	1	50.0	<0.434	97	91.3 - 111
Dibromomethane (methylene bromide)	49.2	µg/L	1	50.0	<0.406	98	84.2 - 118
Bromodichloromethane	49.6	µg/L	1	50.0	<0.325	99	79.5 - 127
2-Chloroethyl vinyl ether	50.7	µg/L	1	50.0	<0.366	101	75.1 - 128
cis-1,3-Dichloropropene	51.9	µg/L	1	50.0	<0.387	104	83.2 - 119
trans-1,3-Dichloropropene	52.8	µg/L	1	50.0	<0.367	106	77.4 - 126
Toluene	47.1	µg/L	1	50.0	<0.366	94	82 - 110
1,1,2-Trichloroethane	49.1	µg/L	1	50.0	<0.397	98	77 - 123
1,3-Dichloropropane	49.9	µg/L	1	50.0	<0.355	100	81.1 - 124
Dibromochloromethane	50.5	µg/L	1	50.0	<0.315	101	79 - 129
1,2-Dibromoethane (EDB)	50.5	µg/L	1	50.0	<0.340	101	78.6 - 126
Tetrachloroethene (PCE)	46.7	µg/L	1	50.0	<0.355	93	36.7 - 173
Chlorobenzene	47.2	µg/L	1	50.0	<0.363	94	87.9 - 109
1,1,1,2-Tetrachloroethane	50.0	µg/L	1	50.0	<0.338	100	80.5 - 125
Ethylbenzene	49.6	µg/L	1	50.0	<0.350	99	82.4 - 116
m,p-Xylene	100	µg/L	1	100	<0.752	100	80 - 119
Bromoform	52.7	µg/L	1	50.0	<0.275	105	75.8 - 132
Styrene	53.2	µg/L	1	50.0	<0.395	106	84.2 - 117
o-Xylene	51.2	µg/L	1	50.0	<0.375	102	82.1 - 119
1,1,2,2-Tetrachloroethane	50.4	µg/L	1	50.0	<0.283	101	69.7 - 124
2-Chlorotoluene	48.1	µg/L	1	50.0	<0.445	96	76.5 - 123
1,2,3-Trichloropropane	48.4	µg/L	1	50.0	<0.430	97	66.3 - 130
Isopropylbenzene	48.2	µg/L	1	50.0	<0.521	96	78.3 - 123
Bromobenzene	47.7	µg/L	1	50.0	<0.494	95	79.9 - 122
n-Propylbenzene	48.1	µg/L	1	50.0	<0.483	96	72.6 - 122
1,3,5-Trimethylbenzene	49.0	µg/L	1	50.0	<0.487	98	69.6 - 127
tert-Butylbenzene	49.0	µg/L	1	50.0	<0.496	98	64 - 129
1,2,4-Trimethylbenzene	49.7	µg/L	1	50.0	<0.532	99	71 - 123
1,4-Dichlorobenzene (para)	47.1	µg/L	1	50.0	<0.413	94	74 - 118
sec-Butylbenzene	50.0	µg/L	1	50.0	<0.449	100	59.8 - 129
1,3-Dichlorobenzene (meta)	48.7	µg/L	1	50.0	<0.451	97	80.2 - 119
p-Isopropyltoluene	50.8	µg/L	1	50.0	<0.450	102	54.8 - 135
4-Chlorotoluene	48.4	µg/L	1	50.0	<0.489	97	78.9 - 124
1,2-Dichlorobenzene (ortho)	49.5	µg/L	1	50.0	<0.438	99	80 - 120
n-Butylbenzene	52.6	µg/L	1	50.0	<0.461	105	51.1 - 136
1,2-Dibromo-3-chloropropane	51.1	µg/L	1	50.0	<0.532	102	38.2 - 151
1,2,3-Trichlorobenzene	59.0	µg/L	1	50.0	<0.288	118	25.4 - 158
1,2,4-Trichlorobenzene	54.1	µg/L	1	50.0	<0.273	108	38.2 - 140
Naphthalene	61.2	µg/L	1	50.0	<0.299	122	33.3 - 152
Hexachlorobutadiene	50.1	µg/L	1	50.0	<0.483	100	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	52.1	µg/L	1	50.0	<0.351	104	85.7 - 113	4	20
Dichlorodifluoromethane	54.2	µg/L	1	50.0	<0.306	108	60.3 - 134	5	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloromethane (methyl chloride)	53.7	µg/L	1	50.0	<0.240	107	72 - 120	3	20
Vinyl Chloride	54.2	µg/L	1	50.0	<0.224	108	64.4 - 132	3	20
Bromomethane (methyl bromide)	55.0	µg/L	1	50.0	<0.325	110	65.9 - 133	2	20
Chloroethane	53.1	µg/L	1	50.0	<0.303	106	65.3 - 132	2	20
Trichlorofluoromethane	57.0	µg/L	1	50.0	<0.255	114	52.7 - 159	5	20
Acetone	41.4	µg/L	1	50.0	<1.86	83	10 - 185	2	20
Iodomethane (methyl iodide)	52.7	µg/L	1	50.0	<0.397	105	80.9 - 112	6	20
Carbon Disulfide	52.1	µg/L	1	50.0	<0.354	104	73.7 - 120	4	20
Acrylonitrile	54.2	µg/L	1	50.0	<0.306	108	75.8 - 121	2	20
2-Butanone (MEK)	52.0	µg/L	1	50.0	<0.670	104	43.7 - 117	3	20
4-Methyl-2-pentanone (MIBK)	54.2	µg/L	1	50.0	<0.463	108	69.3 - 120	8	20
2-Hexanone	55.6	µg/L	1	50.0	<0.303	111	35.6 - 138	2	20
trans 1,4-Dichloro-2-butene	55.0	µg/L	1	50.0	<0.407	110	40 - 128	2	20
1,1-Dichloroethene	51.7	µg/L	1	50.0	<0.326	103	83.4 - 114	5	20
Methylene chloride	50.5	µg/L	1	50.0	<0.375	101	62.6 - 119	5	20
MTBE	53.2	µg/L	1	50.0	<0.352	106	70 - 132	4	20
trans-1,2-Dichloroethene	51.2	µg/L	1	50.0	<0.322	102	83.3 - 114	4	20
1,1-Dichloroethane	51.1	µg/L	1	50.0	<0.324	102	87.8 - 113	3	20
cis-1,2-Dichloroethene	51.9	µg/L	1	50.0	<0.331	104	83.8 - 115	3	20
2,2-Dichloropropane	54.2	µg/L	1	50.0	<0.440	108	37.9 - 136	2	20
1,2-Dichloroethane (EDC)	50.6	µg/L	1	50.0	<0.327	101	82.6 - 122	3	20
Chloroform	51.3	µg/L	1	50.0	<0.345	103	84.8 - 116	3	20
1,1,1-Trichloroethane	51.3	µg/L	1	50.0	<0.303	103	72.9 - 123	5	20
1,1-Dichloropropene	51.6	µg/L	1	50.0	<0.356	103	85.9 - 119	5	20
Benzene	51.6	µg/L	1	50.0	<0.356	103	83.5 - 115	5	20
Carbon Tetrachloride	52.0	µg/L	1	50.0	<0.342	104	62.7 - 144	5	20
1,2-Dichloropropane	51.6	µg/L	1	50.0	<0.366	103	88.8 - 114	3	20
Trichloroethene (TCE)	50.5	µg/L	1	50.0	<0.434	101	91.3 - 111	4	20
Dibromomethane (methylene bromide)	51.4	µg/L	1	50.0	<0.406	103	84.2 - 118	4	20
Bromodichloromethane	51.6	µg/L	1	50.0	<0.325	103	79.5 - 127	4	20
2-Chloroethyl vinyl ether	52.3	µg/L	1	50.0	<0.366	105	75.1 - 128	3	20
cis-1,3-Dichloropropene	54.1	µg/L	1	50.0	<0.387	108	83.2 - 119	4	20
trans-1,3-Dichloropropene	54.5	µg/L	1	50.0	<0.367	109	77.4 - 126	3	20
Toluene	48.9	µg/L	1	50.0	<0.366	98	82 - 110	4	20
1,1,2-Trichloroethane	51.1	µg/L	1	50.0	<0.397	102	77 - 123	4	20
1,3-Dichloropropane	52.0	µg/L	1	50.0	<0.355	104	81.1 - 124	4	20
Dibromochloromethane	53.1	µg/L	1	50.0	<0.315	106	79 - 129	5	20
1,2-Dibromoethane (EDB)	52.4	µg/L	1	50.0	<0.340	105	78.6 - 126	4	20
Tetrachloroethene (PCE)	49.6	µg/L	1	50.0	<0.355	99	36.7 - 173	6	20
Chlorobenzene	49.5	µg/L	1	50.0	<0.363	99	87.9 - 109	5	20
1,1,1,2-Tetrachloroethane	52.9	µg/L	1	50.0	<0.338	106	80.5 - 125	6	20
Ethylbenzene	51.7	µg/L	1	50.0	<0.350	103	82.4 - 116	4	20
m,p-Xylene	104	µg/L	1	100	<0.752	104	80 - 119	4	20
Bromoform	55.8	µg/L	1	50.0	<0.275	112	75.8 - 132	6	20
Styrene	54.8	µg/L	1	50.0	<0.395	110	84.2 - 117	3	20
o-Xylene	53.1	µg/L	1	50.0	<0.375	106	82.1 - 119	4	20
1,1,2,2-Tetrachloroethane	52.6	µg/L	1	50.0	<0.283	105	69.7 - 124	4	20
2-Chlorotoluene	50.6	µg/L	1	50.0	<0.445	101	76.5 - 123	5	20
1,2,3-Trichloropropane	50.6	µg/L	1	50.0	<0.430	101	66.3 - 130	4	20
Isopropylbenzene	51.1	µg/L	1	50.0	<0.521	102	78.3 - 123	6	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromobenzene	49.9	µg/L	1	50.0	<0.494	100	79.9 - 122	4	20
n-Propylbenzene	50.1	µg/L	1	50.0	<0.483	100	72.6 - 122	4	20
1,3,5-Trimethylbenzene	51.5	µg/L	1	50.0	<0.487	103	69.6 - 127	5	20
tert-Butylbenzene	51.9	µg/L	1	50.0	<0.496	104	64 - 129	6	20
1,2,4-Trimethylbenzene	52.6	µg/L	1	50.0	<0.532	105	71 - 123	6	20
1,4-Dichlorobenzene (para)	49.6	µg/L	1	50.0	<0.413	99	74 - 118	5	20
sec-Butylbenzene	52.1	µg/L	1	50.0	<0.449	104	59.8 - 129	4	20
1,3-Dichlorobenzene (meta)	50.8	µg/L	1	50.0	<0.451	102	80.2 - 119	4	20
p-Isopropyltoluene	53.1	µg/L	1	50.0	<0.450	106	54.8 - 135	4	20
4-Chlorotoluene	50.9	µg/L	1	50.0	<0.489	102	78.9 - 124	5	20
1,2-Dichlorobenzene (ortho)	52.2	µg/L	1	50.0	<0.438	104	80 - 120	5	20
n-Butylbenzene	54.1	µg/L	1	50.0	<0.461	108	51.1 - 136	3	20
1,2-Dibromo-3-chloropropane	53.5	µg/L	1	50.0	<0.532	107	38.2 - 151	5	20
1,2,3-Trichlorobenzene	63.7	µg/L	1	50.0	<0.288	127	25.4 - 158	8	20
1,2,4-Trichlorobenzene	56.0	µg/L	1	50.0	<0.273	112	38.2 - 140	3	20
Naphthalene	64.7	µg/L	1	50.0	<0.299	129	33.3 - 152	6	20
Hexachlorobutadiene	50.1	µg/L	1	50.0	<0.483	100	49.1 - 134	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	50.1	51.7	µg/L	1	50.0	100	103	82.4 - 115
Toluene-d8	49.6	51.3	µg/L	1	50.0	99	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)	51.7	52.9	µg/L	1	50.0	103	106	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 39096 Date Analyzed: 2007-07-12 Analyzed By: DS
Prep Batch: 33841 QC Preparation: 2007-07-10 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.0204	mg/L	1	0.0800	0	26	10 - 46.1
2-Chlorophenol	0.0605	mg/L	1	0.0800	0	76	10 - 123
1,4-Dichlorobenzene (para)	0.0547	mg/L	1	0.0800	0	68	10 - 118
N-Nitrosodi-n-propylamine	0.0719	mg/L	1	0.0800	0	90	10 - 132
1,2,4-Trichlorobenzene	0.0649	mg/L	1	0.0800	0	81	10 - 130
Naphthalene	0.0642	mg/L	1	0.0800	0	80	20.3 - 121
4-Chloro-3-methylphenol	0.0525	mg/L	1	0.0800	0	66	10 - 140
Acenaphthylene	0.0747	mg/L	1	0.0800	0	93	22.3 - 124
Acenaphthene	0.0692	mg/L	1	0.0800	0	86	18.8 - 134
Dibenzofuran	0.0745	mg/L	1	0.0800	0	93	37.5 - 102
4-Nitrophenol	0.0213	mg/L	1	0.0800	0	27	10 - 135
2,4-Dinitrotoluene	0.0872	mg/L	1	0.0800	0	109	13.6 - 152
Fluorene	0.0748	mg/L	1	0.0800	0	94	29.7 - 114
Pentachlorophenol	0.0669	mg/L	1	0.0800	0	84	10 - 144
Anthracene	0.0710	mg/L	1	0.0800	0	89	48.2 - 118
Phenanthrene	0.0693	mg/L	1	0.0800	0	87	45.5 - 121
Fluoranthene	0.0767	mg/L	1	0.0800	0	96	42.7 - 126

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Pyrene	0.0653	mg/L	1	0.0800	0	82	26.8 - 155
Benzo(a)anthracene	0.0641	mg/L	1	0.0800	0	80	60.2 - 97.3
Chrysene	0.0639	mg/L	1	0.0800	0	80	56 - 92.4
Benzo(b)fluoranthene	0.0635	mg/L	1	0.0800	0	79	73.9 - 102
Benzo(k)fluoranthene	0.0673	mg/L	1	0.0800	0	84	45.6 - 143
Benzo(a)pyrene	0.0731	mg/L	1	0.0800	0	91	54.8 - 122
Indeno(1,2,3-cd)pyrene	0.0810	mg/L	1	0.0800	0	101	61.4 - 118
Dibenzo(a,h)anthracene	0.0796	mg/L	1	0.0800	0	100	64.9 - 118
Benzo(g,h,i)perylene	0.0779	mg/L	1	0.0800	0	97	46.8 - 129

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.0201	mg/L	1	0.0800	0	25	10 - 46.1	2	20
2-Chlorophenol	0.0602	mg/L	1	0.0800	0	75	10 - 123	0	20
1,4-Dichlorobenzene (para)	0.0558	mg/L	1	0.0800	0	70	10 - 118	2	20
N-Nitrosodi-n-propylamine	0.0673	mg/L	1	0.0800	0	84	10 - 132	7	20
1,2,4-Trichlorobenzene	0.0654	mg/L	1	0.0800	0	82	10 - 130	1	20
Naphthalene	0.0646	mg/L	1	0.0800	0	81	20.3 - 121	1	20
4-Chloro-3-methylphenol	0.0558	mg/L	1	0.0800	0	70	10 - 140	6	20
Acenaphthylene	0.0738	mg/L	1	0.0800	0	92	22.3 - 124	1	20
Acenaphthene	0.0688	mg/L	1	0.0800	0	86	18.8 - 134	1	20
Dibenzofuran	0.0740	mg/L	1	0.0800	0	92	37.5 - 102	1	20
4-Nitrophenol	0.0188	mg/L	1	0.0800	0	24	10 - 135	12	20
2,4-Dinitrotoluene	0.0819	mg/L	1	0.0800	0	102	13.6 - 152	6	20
Fluorene	0.0748	mg/L	1	0.0800	0	94	29.7 - 114	0	20
Pentachlorophenol	0.0623	mg/L	1	0.0800	0	78	10 - 144	7	20
Anthracene	0.0709	mg/L	1	0.0800	0	89	48.2 - 118	0	20
Phenanthrene	0.0697	mg/L	1	0.0800	0	87	45.5 - 121	1	20
Fluoranthene	0.0747	mg/L	1	0.0800	0	93	42.7 - 126	3	20
Pyrene	0.0625	mg/L	1	0.0800	0	78	26.8 - 155	4	20
Benzo(a)anthracene	0.0643	mg/L	1	0.0800	0	80	60.2 - 97.3	0	20
Chrysene	0.0647	mg/L	1	0.0800	0	81	56 - 92.4	1	20
Benzo(b)fluoranthene	0.0692	mg/L	1	0.0800	0	86	73.9 - 102	9	20
Benzo(k)fluoranthene	0.0701	mg/L	1	0.0800	0	88	45.6 - 143	4	20
Benzo(a)pyrene	0.0773	mg/L	1	0.0800	0	97	54.8 - 122	6	20
Indeno(1,2,3-cd)pyrene	0.0842	mg/L	1	0.0800	0	105	61.4 - 118	4	20
Dibenzo(a,h)anthracene	0.0819	mg/L	1	0.0800	0	102	64.9 - 118	3	20
Benzo(g,h,i)perylene	0.0801	mg/L	1	0.0800	0	100	46.8 - 129	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0326	0.0318	mg/L	1	0.0800	41	40	10 - 109
Phenol-d5	0.0216	0.0215	mg/L	1	0.0800	27	27	10 - 61.5
Nitrobenzene-d5	0.0747	0.0743	mg/L	1	0.0800	93	93	10 - 139
2-Fluorobiphenyl	0.0819	0.0792	mg/L	1	0.0800	102	99	10 - 139
2,4,6-Tribromophenol	0.0997	0.0979	mg/L	1	0.0800	125	122	10 - 161
Terphenyl-d14	0.0780	0.0742	mg/L	1	0.0800	98	93	10 - 144

Matrix Spike (MS-1) Spiked Sample: 129151

QC Batch: 38857 Date Analyzed: 2007-07-06 Analyzed By: TG
Prep Batch: 33631 QC Preparation: 2007-07-06 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	24.0	mg/L	1	25.0	<1.06	96	61.9 - 112.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	24.8	mg/L	1	25.0	<1.06	99	61.9 - 112.2	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	20.2	18.3	mg/L	1	15	135	122	40.7 - 174

Matrix Spike (MS-1) Spiked Sample: 129151

QC Batch: 38872 Date Analyzed: 2007-07-06 Analyzed By: JG
Prep Batch: 33645 QC Preparation: 2007-07-06 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	52.4	µg/L	1	50.0	<0.0699	105	82.5 - 118
Dichlorodifluoromethane	49.7	µg/L	1	50.0	<0.0598	99	46.8 - 125
Chloromethane (methyl chloride)	51.4	µg/L	1	50.0	<0.230	103	67.1 - 127
Vinyl Chloride	52.1	µg/L	1	50.0	<0.0902	104	63.7 - 129
Bromomethane (methyl bromide)	54.5	µg/L	1	50.0	<0.740	109	65.7 - 127
Chloroethane	54.0	µg/L	1	50.0	<0.195	108	69.9 - 131
Trichlorofluoromethane	54.5	µg/L	1	50.0	<0.160	109	60.2 - 134
Acetone	47.4	µg/L	1	50.0	<0.854	95	12.1 - 136
Iodomethane (methyl iodide)	51.0	µg/L	1	50.0	<0.112	102	75.7 - 115
Carbon Disulfide	51.9	µg/L	1	50.0	<0.0764	104	67.6 - 131
Acrylonitrile	56.1	µg/L	1	50.0	<0.184	112	79.9 - 131
2-Butanone (MEK)	51.5	µg/L	1	50.0	<0.394	103	28.7 - 137
4-Methyl-2-pentanone (MIBK)	52.2	µg/L	1	50.0	<0.484	104	77.1 - 122
2-Hexanone	59.8	µg/L	1	50.0	<0.0975	120	42.3 - 145
trans 1,4-Dichloro-2-butene	53.9	µg/L	1	50.0	<0.421	108	38.5 - 122
1,1-Dichloroethene	50.9	µg/L	1	50.0	<0.0736	102	78.7 - 119
Methylene chloride	50.4	µg/L	1	50.0	<0.689	101	64.9 - 121
MTBE	52.2	µg/L	1	50.0	<0.0504	104	46.6 - 162
trans-1,2-Dichloroethene	51.5	µg/L	1	50.0	<0.0598	103	75.1 - 119
1,1-Dichloroethane	50.8	µg/L	1	50.0	<0.0299	102	86.3 - 119
cis-1,2-Dichloroethene	51.9	µg/L	1	50.0	<0.101	104	82.6 - 116
2,2-Dichloropropane	43.5	µg/L	1	50.0	<0.0665	87	7.8 - 109
1,2-Dichloroethane (EDC)	51.7	µg/L	1	50.0	<0.0557	103	82.7 - 130
Chloroform	52.0	µg/L	1	50.0	<0.0475	104	83.6 - 119
1,1,1-Trichloroethane	51.0	µg/L	1	50.0	<0.0846	102	69.6 - 126

continued . . .

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloropropene	50.3	µg/L	1	50.0	<0.0423	101	79.2 - 121
Benzene	51.1	µg/L	1	50.0	<0.0495	102	75.8 - 125
Carbon Tetrachloride	50.5	µg/L	1	50.0	<0.121	101	58.7 - 143
1,2-Dichloropropane	51.5	µg/L	1	50.0	<0.0933	103	88.4 - 117
Trichloroethene (TCE)	49.3	µg/L	1	50.0	<0.0495	99	83.6 - 112
Dibromomethane (methylene bromide)	50.9	µg/L	1	50.0	<0.0640	102	90.7 - 117
Bromodichloromethane	51.2	µg/L	1	50.0	<0.0651	102	83.4 - 127
2-Chloroethyl vinyl ether	52.2	µg/L	1	50.0	<0.0905	104	10 - 211
cis-1,3-Dichloropropene	50.8	µg/L	1	50.0	<0.0640	102	78.6 - 113
trans-1,3-Dichloropropene	52.7	µg/L	1	50.0	<0.0504	105	81.8 - 113
Toluene	49.0	µg/L	1	50.0	<0.0736	98	81.6 - 115
1,1,2-Trichloroethane	50.5	µg/L	1	50.0	<0.106	101	83.2 - 122
1,3-Dichloropropane	51.2	µg/L	1	50.0	<0.0625	102	87.3 - 123
Dibromochloromethane	51.1	µg/L	1	50.0	<0.0791	102	81.4 - 130
1,2-Dibromoethane (EDB)	51.4	µg/L	1	50.0	<0.0460	103	91.4 - 118
Tetrachloroethene (PCE)	45.6	µg/L	1	50.0	<0.0696	91	51.8 - 111
Chlorobenzene	48.4	µg/L	1	50.0	<0.0217	97	83.9 - 113
1,1,1,2-Tetrachloroethane	51.8	µg/L	1	50.0	<0.125	104	79.5 - 127
Ethylbenzene	50.9	µg/L	1	50.0	<0.0566	102	75.4 - 121
m,p-Xylene	103	µg/L	1	100	<0.0363	103	74 - 124
Bromoform	54.7	µg/L	1	50.0	<0.0859	109	77.5 - 134
Styrene	54.8	µg/L	1	50.0	<0.0394	110	10 - 180
o-Xylene	52.8	µg/L	1	50.0	<0.0504	106	75.4 - 126
1,1,2,2-Tetrachloroethane	53.3	µg/L	1	50.0	<0.0672	107	86.4 - 122
2-Chlorotoluene	48.1	µg/L	1	50.0	<0.0283	96	69.2 - 128
1,2,3-Trichloropropane	47.4	µg/L	1	50.0	<0.0679	95	75.8 - 121
Isopropylbenzene	48.0	µg/L	1	50.0	<0.0406	96	69.6 - 127
Bromobenzene	47.4	µg/L	1	50.0	<0.103	95	77.1 - 125
n-Propylbenzene	47.6	µg/L	1	50.0	<0.0423	95	67.1 - 125
1,3,5-Trimethylbenzene	48.7	µg/L	1	50.0	<0.0557	97	66.1 - 126
tert-Butylbenzene	49.0	µg/L	1	50.0	<0.0770	98	63.9 - 126
1,2,4-Trimethylbenzene	49.8	µg/L	1	50.0	<0.0336	100	65 - 123
1,4-Dichlorobenzene (para)	47.1	µg/L	1	50.0	<0.0672	94	66.7 - 119
sec-Butylbenzene	49.4	µg/L	1	50.0	<0.0439	99	57.6 - 127
1,3-Dichlorobenzene (meta)	48.1	µg/L	1	50.0	<0.0672	96	78.8 - 118
p-Isopropyltoluene	49.8	µg/L	1	50.0	<0.0513	100	56.6 - 128
4-Chlorotoluene	48.3	µg/L	1	50.0	<0.0460	97	74 - 127
1,2-Dichlorobenzene (ortho)	49.7	µg/L	1	50.0	<0.0629	99	81.2 - 119
n-Butylbenzene	50.3	µg/L	1	50.0	<0.0400	101	50.4 - 130
1,2-Dibromo-3-chloropropane	50.0	µg/L	1	50.0	<0.538	100	55.7 - 152
1,2,3-Trichlorobenzene	46.6	µg/L	1	50.0	<0.504	93	32.6 - 149
1,2,4-Trichlorobenzene	48.7	µg/L	1	50.0	<0.166	97	35.8 - 144
Naphthalene	48.3	µg/L	1	50.0	<0.417	97	36.7 - 156
Hexachlorobutadiene	45.5	µg/L	1	50.0	<0.176	91	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	51.0	µg/L	1	50.0	<0.0699	102	82.5 - 118	3	20
Dichlorodifluoromethane	48.7	µg/L	1	50.0	<0.0598	97	46.8 - 125	2	20

continued ...

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloromethane (methyl chloride)	52.5	µg/L	1	50.0	<0.230	105	67.1 - 127	2	20
Vinyl Chloride	52.8	µg/L	1	50.0	<0.0902	106	63.7 - 129	1	20
Bromomethane (methyl bromide)	52.7	µg/L	1	50.0	<0.740	105	65.7 - 127	3	20
Chloroethane	52.2	µg/L	1	50.0	<0.195	104	69.9 - 131	3	20
Trichlorofluoromethane	53.0	µg/L	1	50.0	<0.160	106	60.2 - 134	3	20
Acetone	46.0	µg/L	1	50.0	<0.854	92	12.1 - 136	3	20
Iodomethane (methyl iodide)	49.8	µg/L	1	50.0	<0.112	100	75.7 - 115	2	20
Carbon Disulfide	49.7	µg/L	1	50.0	<0.0764	99	67.6 - 131	4	20
Acrylonitrile	53.6	µg/L	1	50.0	<0.184	107	79.9 - 131	5	20
2-Butanone (MEK)	49.0	µg/L	1	50.0	<0.394	98	28.7 - 137	5	20
4-Methyl-2-pentanone (MIBK)	51.4	µg/L	1	50.0	<0.484	103	77.1 - 122	2	20
2-Hexanone	55.2	µg/L	1	50.0	<0.0975	110	42.3 - 145	8	20
trans 1,4-Dichloro-2-butene	49.1	µg/L	1	50.0	<0.421	98	38.5 - 122	9	20
1,1-Dichloroethene	49.8	µg/L	1	50.0	<0.0736	100	78.7 - 119	2	20
Methylene chloride	48.0	µg/L	1	50.0	<0.689	96	64.9 - 121	5	20
MTBE	51.2	µg/L	1	50.0	<0.0504	102	46.6 - 162	2	20
trans-1,2-Dichloroethene	50.0	µg/L	1	50.0	<0.0598	100	75.1 - 119	3	20
1,1-Dichloroethane	50.0	µg/L	1	50.0	<0.0299	100	86.3 - 119	2	20
cis-1,2-Dichloroethene	50.8	µg/L	1	50.0	<0.101	102	82.6 - 116	2	20
2,2-Dichloropropane	41.4	µg/L	1	50.0	<0.0665	83	7.8 - 109	5	20
1,2-Dichloroethane (EDC)	50.0	µg/L	1	50.0	<0.0557	100	82.7 - 130	3	20
Chloroform	50.6	µg/L	1	50.0	<0.0475	101	83.6 - 119	3	20
1,1,1-Trichloroethane	49.5	µg/L	1	50.0	<0.0846	99	69.6 - 126	3	20
1,1-Dichloropropene	50.0	µg/L	1	50.0	<0.0423	100	79.2 - 121	1	20
Benzene	50.3	µg/L	1	50.0	<0.0495	101	75.8 - 125	2	20
Carbon Tetrachloride	50.4	µg/L	1	50.0	<0.121	101	58.7 - 143	0	20
1,2-Dichloropropane	50.8	µg/L	1	50.0	<0.0933	102	88.4 - 117	1	20
Trichloroethene (TCE)	48.9	µg/L	1	50.0	<0.0495	98	83.6 - 112	1	20
Dibromomethane (methylene bromide)	49.9	µg/L	1	50.0	<0.0640	100	90.7 - 117	2	20
Bromodichloromethane	50.4	µg/L	1	50.0	<0.0651	101	83.4 - 127	2	20
2-Chloroethyl vinyl ether	51.5	µg/L	1	50.0	<0.0905	103	10 - 211	1	20
cis-1,3-Dichloropropene	50.2	µg/L	1	50.0	<0.0640	100	78.6 - 113	1	20
trans-1,3-Dichloropropene	51.4	µg/L	1	50.0	<0.0504	103	81.8 - 113	2	20
Toluene	47.9	µg/L	1	50.0	<0.0736	96	81.6 - 115	2	20
1,1,2-Trichloroethane	50.1	µg/L	1	50.0	<0.106	100	83.2 - 122	1	20
1,3-Dichloropropane	50.8	µg/L	1	50.0	<0.0625	102	87.3 - 123	1	20
Dibromochloromethane	51.2	µg/L	1	50.0	<0.0791	102	81.4 - 130	0	20
1,2-Dibromoethane (EDB)	51.4	µg/L	1	50.0	<0.0460	103	91.4 - 118	0	20
Tetrachloroethene (PCE)	46.7	µg/L	1	50.0	<0.0696	93	51.8 - 111	2	20
Chlorobenzene	48.2	µg/L	1	50.0	<0.0217	96	83.9 - 113	0	20
1,1,1,2-Tetrachloroethane	51.2	µg/L	1	50.0	<0.125	102	79.5 - 127	1	20
Ethylbenzene	50.2	µg/L	1	50.0	<0.0566	100	75.4 - 121	1	20
m,p-Xylene	101	µg/L	1	100	<0.0363	101	74 - 124	2	20
Bromoform	54.5	µg/L	1	50.0	<0.0859	109	77.5 - 134	0	20
Styrene	53.5	µg/L	1	50.0	<0.0394	107	10 - 180	2	20
o-Xylene	51.8	µg/L	1	50.0	<0.0504	104	75.4 - 126	2	20
1,1,2,2-Tetrachloroethane	51.4	µg/L	1	50.0	<0.0672	103	86.4 - 122	4	20
2-Chlorotoluene	48.3	µg/L	1	50.0	<0.0283	97	69.2 - 128	0	20
1,2,3-Trichloropropane	48.0	µg/L	1	50.0	<0.0679	96	75.8 - 121	1	20
Isopropylbenzene	48.6	µg/L	1	50.0	<0.0406	97	69.6 - 127	1	20

continued ...

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromobenzene	48.2	µg/L	1	50.0	<0.103	96	77.1 - 125	2	20
n-Propylbenzene	47.5	µg/L	1	50.0	<0.0423	95	67.1 - 125	0	20
1,3,5-Trimethylbenzene	49.0	µg/L	1	50.0	<0.0557	98	66.1 - 126	1	20
tert-Butylbenzene	49.4	µg/L	1	50.0	<0.0770	99	63.9 - 126	1	20
1,2,4-Trimethylbenzene	49.7	µg/L	1	50.0	<0.0336	99	65 - 123	0	20
1,4-Dichlorobenzene (para)	47.1	µg/L	1	50.0	<0.0672	94	66.7 - 119	0	20
sec-Butylbenzene	49.8	µg/L	1	50.0	<0.0439	100	57.6 - 127	1	20
1,3-Dichlorobenzene (meta)	49.1	µg/L	1	50.0	<0.0672	98	78.8 - 118	2	20
p-Isopropyltoluene	50.3	µg/L	1	50.0	<0.0513	101	56.6 - 128	1	20
4-Chlorotoluene	48.4	µg/L	1	50.0	<0.0460	97	74 - 127	0	20
1,2-Dichlorobenzene (ortho)	50.0	µg/L	1	50.0	<0.0629	100	81.2 - 119	1	20
n-Butylbenzene	50.4	µg/L	1	50.0	<0.0400	101	50.4 - 130	0	20
1,2-Dibromo-3-chloropropane	51.0	µg/L	1	50.0	<0.538	102	55.7 - 152	2	20
1,2,3-Trichlorobenzene [1]	58.8	µg/L	1	50.0	<0.504	118	32.6 - 149	23	20
1,2,4-Trichlorobenzene	52.2	µg/L	1	50.0	<0.166	104	35.8 - 144	7	20
Naphthalene [2]	61.2	µg/L	1	50.0	<0.417	122	36.7 - 156	24	20
Hexachlorobutadiene	47.1	µg/L	1	50.0	<0.176	94	39.6 - 125	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	51.1	49.7	µg/L	1	50	102	99	86.6 - 114
Toluene-d8	48.5	49.4	µg/L	1	50	97	99	91 - 109
4-Bromofluorobenzene (4-BFB)	52.0	51.1	µg/L	1	50	104	102	87.2 - 113

Standard (ICV-1)

QC Batch: 38857 Date Analyzed: 2007-07-06 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	271	108	85 - 115	2007-07-06

Standard (CCV-1)

QC Batch: 38857 Date Analyzed: 2007-07-06 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	275	110	85 - 115	2007-07-06

Standard (CCV-1)

QC Batch: 38872 Date Analyzed: 2007-07-06 Analyzed By: JG

[1] RPD out of control due to carryover. •
[2] RPD out of control due to carryover. •

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	52.4	105	70 - 130	2007-07-06
Dichlorodifluoromethane		µg/L	50.0	50.6	101	70 - 130	2007-07-06
Chloromethane (methyl chloride)		µg/L	50.0	51.1	102	70 - 130	2007-07-06
Vinyl Chloride		µg/L	50.0	51.3	103	80 - 120	2007-07-06
Bromomethane (methyl bromide)		µg/L	50.0	54.3	109	70 - 130	2007-07-06
Chloroethane		µg/L	50.0	52.8	106	70 - 130	2007-07-06
Trichlorofluoromethane		µg/L	50.0	55.7	111	70 - 130	2007-07-06
Acetone		µg/L	50.0	51.6	103	70 - 130	2007-07-06
Iodomethane (methyl iodide)		µg/L	50.0	51.6	103	70 - 130	2007-07-06
Carbon Disulfide		µg/L	50.0	51.8	104	70 - 130	2007-07-06
Acrylonitrile		µg/L	50.0	55.8	112	70 - 130	2007-07-06
2-Butanone (MEK)		µg/L	50.0	54.6	109	70 - 130	2007-07-06
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	52.1	104	70 - 130	2007-07-06
2-Hexanone		µg/L	50.0	58.7	117	70 - 130	2007-07-06
trans 1,4-Dichloro-2-butene		µg/L	50.0	59.2	118	70 - 130	2007-07-06
1,1-Dichloroethene		µg/L	50.0	51.3	103	80 - 120	2007-07-06
Methylene chloride		µg/L	50.0	50.5	101	70 - 130	2007-07-06
MTBE		µg/L	50.0	52.8	106	70 - 130	2007-07-06
trans-1,2-Dichloroethene		µg/L	50.0	52.3	105	70 - 130	2007-07-06
1,1-Dichloroethane		µg/L	50.0	51.9	104	70 - 130	2007-07-06
cis-1,2-Dichloroethene		µg/L	50.0	52.5	105	70 - 130	2007-07-06
2,2-Dichloropropane		µg/L	50.0	56.3	113	70 - 130	2007-07-06
1,2-Dichloroethane (EDC)		µg/L	50.0	52.4	105	70 - 130	2007-07-06
Chloroform		µg/L	50.0	52.6	105	80 - 120	2007-07-06
1,1,1-Trichloroethane		µg/L	50.0	51.4	103	70 - 130	2007-07-06
1,1-Dichloropropene		µg/L	50.0	51.0	102	70 - 130	2007-07-06
Benzene		µg/L	50.0	51.8	104	70 - 130	2007-07-06
Carbon Tetrachloride		µg/L	50.0	50.5	101	70 - 130	2007-07-06
1,2-Dichloropropane		µg/L	50.0	52.2	104	80 - 120	2007-07-06
Trichloroethene (TCE)		µg/L	50.0	50.0	100	70 - 130	2007-07-06
Dibromomethane (methylene bromide)		µg/L	50.0	51.0	102	70 - 130	2007-07-06
Bromodichloromethane		µg/L	50.0	51.1	102	70 - 130	2007-07-06
2-Chloroethyl vinyl ether		µg/L	50.0	52.9	106	70 - 130	2007-07-06
cis-1,3-Dichloropropene		µg/L	50.0	54.1	108	70 - 130	2007-07-06
trans-1,3-Dichloropropene		µg/L	50.0	55.9	112	70 - 130	2007-07-06
Toluene		µg/L	50.0	49.5	99	80 - 120	2007-07-06
1,1,2-Trichloroethane		µg/L	50.0	50.7	101	70 - 130	2007-07-06
1,3-Dichloropropane		µg/L	50.0	51.9	104	70 - 130	2007-07-06
Dibromochloromethane		µg/L	50.0	52.2	104	70 - 130	2007-07-06
1,2-Dibromoethane (EDB)		µg/L	50.0	51.6	103	70 - 130	2007-07-06
Tetrachloroethene (PCE)		µg/L	50.0	47.9	96	70 - 130	2007-07-06
Chlorobenzene		µg/L	50.0	49.2	98	80 - 120	2007-07-06
1,1,1,2-Tetrachloroethane		µg/L	50.0	51.7	103	70 - 130	2007-07-06
Ethylbenzene		µg/L	50.0	51.4	103	80 - 120	2007-07-06
m,p-Xylene		µg/L	100	104	104	70 - 130	2007-07-06
Bromoform		µg/L	50.0	54.6	109	70 - 130	2007-07-06
Styrene		µg/L	50.0	55.5	111	70 - 130	2007-07-06
o-Xylene		µg/L	50.0	53.6	107	70 - 130	2007-07-06
1,1,2,2-Tetrachloroethane		µg/L	50.0	52.9	106	70 - 130	2007-07-06
2-Chlorotoluene		µg/L	50.0	49.1	98	70 - 130	2007-07-06

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2,3-Trichloropropane		µg/L	50.0	49.3	99	70 - 130	2007-07-06
Isopropylbenzene		µg/L	50.0	48.7	97	70 - 130	2007-07-06
Bromobenzene		µg/L	50.0	48.8	98	70 - 130	2007-07-06
n-Propylbenzene		µg/L	50.0	48.8	98	70 - 130	2007-07-06
1,3,5-Trimethylbenzene		µg/L	50.0	49.5	99	70 - 130	2007-07-06
tert-Butylbenzene		µg/L	50.0	49.9	100	70 - 130	2007-07-06
1,2,4-Trimethylbenzene		µg/L	50.0	51.0	102	70 - 130	2007-07-06
1,4-Dichlorobenzene (para)		µg/L	50.0	48.2	96	70 - 130	2007-07-06
sec-Butylbenzene		µg/L	50.0	50.3	101	70 - 130	2007-07-06
1,3-Dichlorobenzene (meta)		µg/L	50.0	49.5	99	70 - 130	2007-07-06
p-Isopropyltoluene		µg/L	50.0	51.2	102	70 - 130	2007-07-06
4-Chlorotoluene		µg/L	50.0	49.6	99	70 - 130	2007-07-06
1,2-Dichlorobenzene (ortho)		µg/L	50.0	50.5	101	70 - 130	2007-07-06
n-Butylbenzene		µg/L	50.0	53.6	107	70 - 130	2007-07-06
1,2-Dibromo-3-chloropropane		µg/L	50.0	51.8	104	70 - 130	2007-07-06
1,2,3-Trichlorobenzene		µg/L	50.0	48.7	97	70 - 130	2007-07-06
1,2,4-Trichlorobenzene		µg/L	50.0	51.9	104	70 - 130	2007-07-06
Naphthalene		µg/L	50.0	50.0	100	70 - 130	2007-07-06
Hexachlorobutadiene		µg/L	50.0	49.0	98	70 - 130	2007-07-06

Standard (CCV-1)

QC Batch: 39096 Date Analyzed: 2007-07-12 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60.0	60.1	100	80 - 120	2007-07-12
1,4-Dichlorobenzene (para)		mg/L	60.0	58.4	97	80 - 120	2007-07-12
2-Nitrophenol		mg/L	60.0	66.7	111	80 - 120	2007-07-12
2,4-Dichlorophenol		mg/L	60.0	65.8	110	80 - 120	2007-07-12
Hexachlorobutadiene		mg/L	60.0	69.8	116	80 - 120	2007-07-12
4-Chloro-3-methylphenol		mg/L	60.0	59.3	99	80 - 120	2007-07-12
2,4,6-Trichlorophenol		mg/L	60.0	64.8	108	80 - 120	2007-07-12
Acenaphthene		mg/L	60.0	54.7	91	80 - 120	2007-07-12
Diphenylamine		mg/L	60.0	60.0	100	80 - 120	2007-07-12
Pentachlorophenol		mg/L	60.0	66.7	111	80 - 120	2007-07-12
Fluoranthene		mg/L	60.0	61.4	102	80 - 120	2007-07-12
Di-n-octylphthalate		mg/L	60.0	52.8	88	80 - 120	2007-07-12
Benzo(a)pyrene		mg/L	60.0	60.3	100	80 - 120	2007-07-12

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		56.5	mg/L	1	60.0	94	80 - 120
Phenol-d5		57.4	mg/L	1	60.0	96	80 - 120
Nitrobenzene-d5		60.1	mg/L	1	60.0	100	80 - 120
2-Fluorobiphenyl		57.8	mg/L	1	60.0	96	80 - 120
2,4,6-Tribromophenol		67.0	mg/L	1	60.0	112	80 - 120
Terphenyl-d14		60.8	mg/L	1	60.0	101	80 - 120

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: July 24, 2007

Work Order: 7070603

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
129147	0209-CF-006-25.0	soil	2007-07-02	14:50	2007-07-06
129148	0209-CF-007-15.0	soil	2007-07-03	09:57	2007-07-06
129149	0209-CF-008-25.0	soil	2007-07-03	11:05	2007-07-06
129150	0209-CF-009-15.0	soil	2007-07-03	11:07	2007-07-06

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 32 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-06 and assigned to work order 7070603. Samples for work order 7070603 were received intact without headspace and at a temperature of 3.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C
TPH DRO	Mod. 8015B
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7070603 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 129147 - 0209-CF-006-25.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38961	Date Analyzed:	2007-07-10	Analyzed By:	DS
Prep Batch:	33721	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250

continued ...

sample 129147 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.36	mg/Kg	1	2.67	51	10 - 98.8
Phenol-d5		1.47	mg/Kg	1	2.67	55	10 - 105
Nitrobenzene-d5		1.61	mg/Kg	1	2.67	60	10 - 114
2-Fluorobiphenyl		1.84	mg/Kg	1	2.67	69	10 - 122
2,4,6-Tribromophenol		2.67	mg/Kg	1	2.67	100	10 - 117
Terphenyl-d14		2.02	mg/Kg	1	2.67	76	10 - 116

Sample: 129147 - 0209-CF-006-25.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38860	Date Analyzed:	2007-07-07	Analyzed By:	TG
Prep Batch:	33634	Sample Preparation:	2007-07-06	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		211	mg/Kg	1	150	141	62.5 - 164

Sample: 129147 - 0209-CF-006-25.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38903	Date Analyzed:	2007-07-09	Analyzed By:	JG
Prep Batch:	33670	Sample Preparation:	2007-07-09	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane	[1]	<20.0	μg/Kg	2	10.0
Dichlorodifluoromethane		<20.0	μg/Kg	2	10.0
Chloromethane (methyl chloride)		<20.0	μg/Kg	2	10.0
Vinyl Chloride		<20.0	μg/Kg	2	10.0
Bromomethane (methyl bromide)		<100	μg/Kg	2	50.0
Chloroethane		<20.0	μg/Kg	2	10.0
Trichlorofluoromethane		<20.0	μg/Kg	2	10.0
Acetone		<200	μg/Kg	2	100
Iodomethane (methyl iodide)		<100	μg/Kg	2	50.0
Carbon Disulfide		<20.0	μg/Kg	2	10.0
Acrylonitrile		<20.0	μg/Kg	2	10.0
2-Butanone (MEK)		<100	μg/Kg	2	50.0
4-Methyl-2-pentanone (MIBK)		<100	μg/Kg	2	50.0
2-Hexanone		<100	μg/Kg	2	50.0
trans 1,4-Dichloro-2-butene		<200	μg/Kg	2	100
1,1-Dichloroethene		<20.0	μg/Kg	2	10.0
Methylene chloride		<100	μg/Kg	2	50.0
MTBE		<20.0	μg/Kg	2	10.0

continued . . .

[1] Dilution required due to sample availability. •

sample 129147 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
trans-1,2-Dichloroethene		<20.0	μg/Kg	2	10.0
1,1-Dichloroethane		<20.0	μg/Kg	2	10.0
cis-1,2-Dichloroethene		<20.0	μg/Kg	2	10.0
2,2-Dichloropropane		<20.0	μg/Kg	2	10.0
1,2-Dichloroethane (EDC)		<20.0	μg/Kg	2	10.0
Chloroform		<20.0	μg/Kg	2	10.0
1,1,1-Trichloroethane		<20.0	μg/Kg	2	10.0
1,1-Dichloropropene		<20.0	μg/Kg	2	10.0
Benzene		<20.0	μg/Kg	2	10.0
Carbon Tetrachloride		<20.0	μg/Kg	2	10.0
1,2-Dichloropropane		<20.0	μg/Kg	2	10.0
Trichloroethene (TCE)		<20.0	μg/Kg	2	10.0
Dibromomethane (methylene bromide)		<20.0	μg/Kg	2	10.0
Bromodichloromethane		<20.0	μg/Kg	2	10.0
2-Chloroethyl vinyl ether		<100	μg/Kg	2	50.0
cis-1,3-Dichloropropene		<20.0	μg/Kg	2	10.0
trans-1,3-Dichloropropene		<20.0	μg/Kg	2	10.0
Toluene		<20.0	μg/Kg	2	10.0
1,1,2-Trichloroethane		<20.0	μg/Kg	2	10.0
1,3-Dichloropropane		<20.0	μg/Kg	2	10.0
Dibromochloromethane		<20.0	μg/Kg	2	10.0
1,2-Dibromoethane (EDB)		<20.0	μg/Kg	2	10.0
Tetrachloroethene (PCE)		<20.0	μg/Kg	2	10.0
Chlorobenzene		<20.0	μg/Kg	2	10.0
1,1,1,2-Tetrachloroethane		<20.0	μg/Kg	2	10.0
Ethylbenzene		<20.0	μg/Kg	2	10.0
m,p-Xylene		<20.0	μg/Kg	2	10.0
Bromoform		<20.0	μg/Kg	2	10.0
Styrene		<20.0	μg/Kg	2	10.0
o-Xylene		<20.0	μg/Kg	2	10.0
1,1,2,2-Tetrachloroethane		<20.0	μg/Kg	2	10.0
2-Chlorotoluene		<20.0	μg/Kg	2	10.0
1,2,3-Trichloropropane		<20.0	μg/Kg	2	10.0
Isopropylbenzene		<20.0	μg/Kg	2	10.0
Bromobenzene		<20.0	μg/Kg	2	10.0
n-Propylbenzene		<20.0	μg/Kg	2	10.0
1,3,5-Trimethylbenzene		<20.0	μg/Kg	2	10.0
tert-Butylbenzene		<20.0	μg/Kg	2	10.0
1,2,4-Trimethylbenzene		<20.0	μg/Kg	2	10.0
1,4-Dichlorobenzene (para)		<20.0	μg/Kg	2	10.0
sec-Butylbenzene		<20.0	μg/Kg	2	10.0
1,3-Dichlorobenzene (meta)		<20.0	μg/Kg	2	10.0
p-Isopropyltoluene		<20.0	μg/Kg	2	10.0
4-Chlorotoluene		<20.0	μg/Kg	2	10.0
1,2-Dichlorobenzene (ortho)		<20.0	μg/Kg	2	10.0
n-Butylbenzene		<20.0	μg/Kg	2	10.0
1,2-Dibromo-3-chloropropane		<100	μg/Kg	2	50.0
1,2,3-Trichlorobenzene		<100	μg/Kg	2	50.0
1,2,4-Trichlorobenzene		<100	μg/Kg	2	50.0

continued . . .

sample 129147 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<100	μg/Kg	2	50.0
Hexachlorobutadiene		<100	μg/Kg	2	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		1170	μg/Kg	2	1000	117	79.7 - 120
Toluene-d8	[2]	1260	μg/Kg	2	1000	126	86.8 - 107
4-Bromofluorobenzene (4-BFB)	[3]	1290	μg/Kg	2	1000	129	82.5 - 116

Sample: 129148 - 0209-CF-007-15.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38961	Date Analyzed:	2007-07-10	Analyzed By:	DS
Prep Batch:	33721	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250

[2] High surrogate recovery. Sample non-detect, result bias high.
[3] High surrogate recovery. Sample non-detect, result bias high.

continued ...

sample 129148 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250

continued ...

sample 129148 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.580	mg/Kg	1	2.67	22	10 - 98.8
Phenol-d5		0.620	mg/Kg	1	2.67	23	10 - 105
Nitrobenzene-d5		0.710	mg/Kg	1	2.67	26	10 - 114
2-Fluorobiphenyl		0.770	mg/Kg	1	2.67	29	10 - 122
2,4,6-Tribromophenol		1.18	mg/Kg	1	2.67	44	10 - 117
Terphenyl-d14		0.980	mg/Kg	1	2.67	37	10 - 116

Sample: 129148 - 0209-CF-007-15.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38860	Date Analyzed:	2007-07-07	Analyzed By:	TG
Prep Batch:	33634	Sample Preparation:	2007-07-06	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		196	mg/Kg	1	150	131	62.5 - 164

Sample: 129148 - 0209-CF-007-15.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38903	Date Analyzed:	2007-07-09	Analyzed By:	JG
Prep Batch:	33670	Sample Preparation:	2007-07-09	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0

continued ...

sample 129148 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0
Carbon Disulfide		<10.0	μg/Kg	1	10.0
Acrylonitrile		<10.0	μg/Kg	1	10.0
2-Butanone (MEK)		<50.0	μg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	μg/Kg	1	50.0
2-Hexanone		<50.0	μg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	μg/Kg	1	100
1,1-Dichloroethene		<10.0	μg/Kg	1	10.0
Methylene chloride		<50.0	μg/Kg	1	50.0
MTBE		<10.0	μg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
1,1-Dichloroethane		<10.0	μg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
2,2-Dichloropropane		<10.0	μg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	1	10.0
Chloroform		<10.0	μg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	μg/Kg	1	10.0
1,1-Dichloropropene		<10.0	μg/Kg	1	10.0
Benzene		<10.0	μg/Kg	1	10.0
Carbon Tetrachloride		<10.0	μg/Kg	1	10.0
1,2-Dichloropropane		<10.0	μg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	μg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	μg/Kg	1	10.0
Bromodichloromethane		<10.0	μg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	μg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0

continued . . .

sample 129148 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		462	μg/Kg	1	500	92	79.7 - 120
Toluene-d8		508	μg/Kg	1	500	102	86.8 - 107
4-Bromofluorobenzene (4-BFB)		519	μg/Kg	1	500	104	82.5 - 116

Sample: 129149 - 0209-CF-008-25.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38860	Date Analyzed:	2007-07-07	Analyzed By:	TG
Prep Batch:	33634	Sample Preparation:	2007-07-06	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		202	mg/Kg	1	150	135	62.5 - 164

Sample: 129150 - 0209-CF-009-15.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38961	Date Analyzed:	2007-07-10	Analyzed By:	DS
Prep Batch:	33721	Sample Preparation:	2007-07-10	Prepared By:	DS

continued ...

sample 129150 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250

continued . . .

sample 129150 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.19	mg/Kg	1	2.67	44	10 - 98.8
Phenol-d5		1.29	mg/Kg	1	2.67	48	10 - 105
Nitrobenzene-d5		1.47	mg/Kg	1	2.67	55	10 - 114
2-Fluorobiphenyl		1.62	mg/Kg	1	2.67	61	10 - 122
2,4,6-Tribromophenol		2.51	mg/Kg	1	2.67	94	10 - 117
Terphenyl-d14		2.11	mg/Kg	1	2.67	79	10 - 116

Sample: 129150 - 0209-CF-009-15.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38860	Date Analyzed:	2007-07-07	Analyzed By:	TG
Prep Batch:	33634	Sample Preparation:	2007-07-06	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		209	mg/Kg	1	150	139	62.5 - 164

Sample: 129150 - 0209-CF-009-15.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38903	Date Analyzed:	2007-07-09	Analyzed By:	JG
Prep Batch:	33670	Sample Preparation:	2007-07-09	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0
Carbon Disulfide		<10.0	μg/Kg	1	10.0
Acrylonitrile		<10.0	μg/Kg	1	10.0
2-Butanone (MEK)		<50.0	μg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	μg/Kg	1	50.0
2-Hexanone		<50.0	μg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	μg/Kg	1	100
1,1-Dichloroethene		<10.0	μg/Kg	1	10.0
Methylene chloride		<50.0	μg/Kg	1	50.0
MTBE		<10.0	μg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
1,1-Dichloroethane		<10.0	μg/Kg	1	10.0

continued ...

sample 129150 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
cis-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
2,2-Dichloropropane		<10.0	μg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	1	10.0
Chloroform		<10.0	μg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	μg/Kg	1	10.0
1,1-Dichloropropene		<10.0	μg/Kg	1	10.0
Benzene		<10.0	μg/Kg	1	10.0
Carbon Tetrachloride		<10.0	μg/Kg	1	10.0
1,2-Dichloropropane		<10.0	μg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	μg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	μg/Kg	1	10.0
Bromodichloromethane		<10.0	μg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	μg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		458	µg/Kg	1	500	92	79.7 - 120
Toluene-d8		498	µg/Kg	1	500	100	86.8 - 107
4-Bromofluorobenzene (4-BFB)		518	µg/Kg	1	500	104	82.5 - 116

Method Blank (1) QC Batch: 38860

QC Batch:	38860	Date Analyzed:	2007-07-07	Analyzed By:	TG
Prep Batch:	33634	QC Preparation:	2007-07-06	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		190	mg/Kg	1	150	127	62.5 - 164

Method Blank (1) QC Batch: 38903

QC Batch:	38903	Date Analyzed:	2007-07-09	Analyzed By:	JG
Prep Batch:	33670	QC Preparation:	2007-07-09	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<2.06	µg/Kg	10
Dichlorodifluoromethane		<4.16	µg/Kg	10
Chloromethane (methyl chloride)		<2.49	µg/Kg	10
Vinyl Chloride		<2.80	µg/Kg	10
Bromomethane (methyl bromide)		<2.99	µg/Kg	50
Chloroethane		<3.26	µg/Kg	10
Trichlorofluoromethane		<2.49	µg/Kg	10
Acetone		<51.4	µg/Kg	100
Iodomethane (methyl iodide)		<2.41	µg/Kg	50
Carbon Disulfide		<2.12	µg/Kg	10
Acrylonitrile		<2.12	µg/Kg	10
2-Butanone (MEK)		<13.9	µg/Kg	50
4-Methyl-2-pentanone (MIBK)		<3.95	µg/Kg	50
2-Hexanone		<2.13	µg/Kg	50
trans 1,4-Dichloro-2-butene		<2.92	µg/Kg	100
1,1-Dichloroethene		<1.89	µg/Kg	10
Methylene chloride		21.1	µg/Kg	50
MTBE		<1.71	µg/Kg	10
trans-1,2-Dichloroethene		<2.67	µg/Kg	10
1,1-Dichloroethane		<1.76	µg/Kg	10
cis-1,2-Dichloroethene		<2.27	µg/Kg	10
2,2-Dichloropropane		<2.90	µg/Kg	10
1,2-Dichloroethane (EDC)		<1.90	µg/Kg	10
Chloroform		<2.21	µg/Kg	10

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,1,1-Trichloroethane		<2.06	μg/Kg	10
1,1-Dichloropropene		<2.44	μg/Kg	10
Benzene		<1.51	μg/Kg	10
Carbon Tetrachloride		<2.26	μg/Kg	10
1,2-Dichloropropane		<1.51	μg/Kg	10
Trichloroethene (TCE)		<1.93	μg/Kg	10
Dibromomethane (methylene bromide)		<1.78	μg/Kg	10
Bromodichloromethane		<1.81	μg/Kg	10
2-Chloroethyl vinyl ether		<1.51	μg/Kg	50
cis-1,3-Dichloropropene		<2.32	μg/Kg	10
trans-1,3-Dichloropropene		<2.00	μg/Kg	10
Toluene		<2.02	μg/Kg	10
1,1,2-Trichloroethane		<1.41	μg/Kg	10
1,3-Dichloropropane		<2.28	μg/Kg	10
Dibromochloromethane		<1.65	μg/Kg	10
1,2-Dibromoethane (EDB)		<1.53	μg/Kg	10
Tetrachloroethene (PCE)		<1.27	μg/Kg	10
Chlorobenzene		<2.02	μg/Kg	10
1,1,1,2-Tetrachloroethane		<1.62	μg/Kg	10
Ethylbenzene		<1.96	μg/Kg	10
m,p-Xylene		<3.03	μg/Kg	10
Bromoform		<1.94	μg/Kg	10
Styrene		<1.99	μg/Kg	10
o-Xylene		<2.12	μg/Kg	10
1,1,2,2-Tetrachloroethane		<2.19	μg/Kg	10
2-Chlorotoluene		<3.12	μg/Kg	10
1,2,3-Trichloropropane		<2.84	μg/Kg	10
Isopropylbenzene		<2.52	μg/Kg	10
Bromobenzene		<3.08	μg/Kg	10
n-Propylbenzene		<2.90	μg/Kg	10
1,3,5-Trimethylbenzene		<2.70	μg/Kg	10
tert-Butylbenzene		<3.32	μg/Kg	10
1,2,4-Trimethylbenzene		<3.19	μg/Kg	10
1,4-Dichlorobenzene (para)		<2.46	μg/Kg	10
sec-Butylbenzene		<2.75	μg/Kg	10
1,3-Dichlorobenzene (meta)		<2.44	μg/Kg	10
p-Isopropyltoluene		<2.73	μg/Kg	10
4-Chlorotoluene		<2.72	μg/Kg	10
1,2-Dichlorobenzene (ortho)		<2.22	μg/Kg	10
n-Butylbenzene		<2.74	μg/Kg	10
1,2-Dibromo-3-chloropropane		<7.25	μg/Kg	50
1,2,3-Trichlorobenzene		12.1	μg/Kg	50
1,2,4-Trichlorobenzene		5.43	μg/Kg	50
Naphthalene		7.33	μg/Kg	50
Hexachlorobutadiene		<2.86	μg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		465	μg/Kg	1	500	93	79.7 - 120
Toluene-d8		502	μg/Kg	1	500	100	86.8 - 107

continued . . .

method blank continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)		509	μg/Kg	1	500	102	82.5 - 116

Method Blank (1) QC Batch: 38961

QC Batch:	38961	Date Analyzed:	2007-07-10	Analyzed By:	DS
Prep Batch:	33721	QC Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.0665	mg/Kg	0.25
N-Nitrosodimethylamine		<0.0894	mg/Kg	0.25
2-Picoline		<0.0472	mg/Kg	0.25
Methyl methanesulfonate		<0.0754	mg/Kg	0.25
Ethyl methanesulfonate		<0.0943	mg/Kg	0.25
Phenol		<0.0778	mg/Kg	0.25
Aniline		<0.0720	mg/Kg	0.25
bis(2-chloroethyl)ether		<0.0700	mg/Kg	0.25
2-Chlorophenol		<0.0676	mg/Kg	0.25
1,3-Dichlorobenzene (meta)		<0.0631	mg/Kg	0.25
1,4-Dichlorobenzene (para)		<0.0618	mg/Kg	0.25
Benzyl alcohol		<0.107	mg/Kg	0.25
1,2-Dichlorobenzene (ortho)		<0.0658	mg/Kg	0.25
2-Methylphenol		<0.0849	mg/Kg	0.25
bis(2-chloroisopropyl)ether		<0.0812	mg/Kg	0.25
4-Methylphenol / 3-Methylphenol		<0.0918	mg/Kg	0.25
Acetophenone		<0.0709	mg/Kg	0.25
N-Nitrosodi-n-propylamine		<0.106	mg/Kg	0.25
Hexachloroethane		<0.0662	mg/Kg	0.25
Nitrobenzene		<0.0641	mg/Kg	0.25
N-Nitrosopiperidine		<0.0870	mg/Kg	0.25
Isophorone		<0.0794	mg/Kg	0.25
2-Nitrophenol		<0.0653	mg/Kg	0.25
2,4-Dimethylphenol		<0.0745	mg/Kg	0.25
bis(2-chloroethoxy)methane		<0.0774	mg/Kg	0.25
Benzoic acid		<0.0273	mg/Kg	0.25
2,4-Dichlorophenol		<0.0780	mg/Kg	0.25
1,2,4-Trichlorobenzene		<0.0583	mg/Kg	0.25
a,a-Dimethylphenethylamine		<0.0471	mg/Kg	0.25
Naphthalene		<0.0597	mg/Kg	0.25
4-Chloroaniline		<0.0789	mg/Kg	0.25
2,6-Dichlorophenol		<0.0728	mg/Kg	0.25
Hexachlorobutadiene		<0.0528	mg/Kg	0.25
N-Nitroso-di-n-butylamine		<0.0818	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.0610	mg/Kg	0.25
1-Methylnaphthalene		<0.0713	mg/Kg	0.25
2-Methylnaphthalene		<0.0720	mg/Kg	0.25
1,2,4,5-Tetrachlorobenzene		<0.0682	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.0491	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.0648	mg/Kg	0.25

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
2,4,5-Trichlorophenol		<0.0493	mg/Kg	0.25
2-Chloronaphthalene		<0.0690	mg/Kg	0.25
1-Chloronaphthalene		<0.0621	mg/Kg	0.25
2-Nitroaniline		<0.0500	mg/Kg	0.25
Dimethylphthalate		<0.0505	mg/Kg	0.25
Acenaphthylene		<0.0659	mg/Kg	0.25
2,6-Dinitrotoluene		<0.0488	mg/Kg	0.25
3-Nitroaniline		<0.0492	mg/Kg	0.25
Acenaphthene		<0.0611	mg/Kg	0.25
2,4-Dinitrophenol		<0.0245	mg/Kg	0.25
Dibenzofuran		<0.0639	mg/Kg	0.25
Pentachlorobenzene		<0.0562	mg/Kg	0.25
4-Nitrophenol		<0.0416	mg/Kg	0.25
1-Naphthylamine		<0.0487	mg/Kg	0.25
2,4-Dinitrotoluene		<0.0502	mg/Kg	0.25
2-Naphthylamine		<0.0428	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.0446	mg/Kg	0.25
Fluorene		<0.0520	mg/Kg	0.25
Diethylphthalate		<0.0484	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.0602	mg/Kg	0.25
4-Nitroaniline		<0.0278	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.0375	mg/Kg	0.25
Diphenylamine		<0.0628	mg/Kg	0.25
Diphenylhydrazine		<0.0519	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.0672	mg/Kg	0.25
Phenacetin		<0.0649	mg/Kg	0.25
Hexachlorobenzene		<0.0596	mg/Kg	0.25
4-Aminobiphenyl		<0.0631	mg/Kg	0.25
Pentachlorophenol		<0.0426	mg/Kg	0.25
Pentachloronitrobenzene		<0.0607	mg/Kg	0.25
Pronamide		<0.0702	mg/Kg	0.25
Phenanthrene		<0.0614	mg/Kg	0.25
Anthracene		<0.0648	mg/Kg	0.25
Di-n-butylphthalate		<0.0614	mg/Kg	0.25
Fluoranthene		<0.0636	mg/Kg	0.25
Benzidine		<0.0631	mg/Kg	0.25
Pyrene		<0.0583	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.0544	mg/Kg	0.25
Butylbenzylphthalate		<0.0531	mg/Kg	0.25
Benzo(a)anthracene		<0.0603	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.0570	mg/Kg	0.25
Chrysene		<0.0643	mg/Kg	0.25
bis(2-ethylhexyl)phthalate		<0.0622	mg/Kg	0.25
Di-n-octylphthalate		<0.0514	mg/Kg	0.25
Benzo(b)fluoranthene		<0.0585	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.0582	mg/Kg	0.25
Benzo(k)fluoranthene		<0.0536	mg/Kg	0.25
Benzo(a)pyrene		<0.0564	mg/Kg	0.25
3-Methylcholanthrene		<0.0571	mg/Kg	0.25
Dibenzo(a,j)acridine		<0.0618	mg/Kg	0.25

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Indeno(1,2,3-cd)pyrene		<0.0576	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.0543	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.0631	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.31	mg/Kg	1	2.67	49	10 - 98.8
Phenol-d5		1.45	mg/Kg	1	2.67	54	10 - 105
Nitrobenzene-d5		1.45	mg/Kg	1	2.67	54	10 - 114
2-Fluorobiphenyl		1.84	mg/Kg	1	2.67	69	10 - 122
2,4,6-Tribromophenol		2.23	mg/Kg	1	2.67	84	10 - 117
Terphenyl-d14		1.89	mg/Kg	1	2.67	71	10 - 116

Laboratory Control Spike (LCS-1)

QC Batch: 38860 Date Analyzed: 2007-07-07 Analyzed By: TG
Prep Batch: 33634 QC Preparation: 2007-07-06 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	306	mg/Kg	1	250	<10.7	122	64.1 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	280	mg/Kg	1	250	<10.7	112	64.1 - 124	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	202	198	mg/Kg	1	150	135	132	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 38903 Date Analyzed: 2007-07-09 Analyzed By: JG
Prep Batch: 33670 QC Preparation: 2007-07-09 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	502	µg/Kg	1	500	<0.825	100	85 - 114
Dichlorodifluoromethane	509	µg/Kg	1	500	<0.889	102	57.1 - 129
Chloromethane (methyl chloride)	518	µg/Kg	1	500	<0.929	104	66.7 - 111
Vinyl Chloride	522	µg/Kg	1	500	<0.463	104	66.6 - 116
Bromomethane (methyl bromide)	534	µg/Kg	1	500	<1.71	107	43.4 - 143
Chloroethane	505	µg/Kg	1	500	<3.68	101	44.9 - 135
Trichlorofluoromethane	533	µg/Kg	1	500	<0.306	107	57.6 - 131

continued . . .

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Acetone	430	µg/Kg	1	500	<1.70	86	16.7 - 142
Iodomethane (methyl iodide)	503	µg/Kg	1	500	<0.640	101	81.1 - 116
Carbon Disulfide	493	µg/Kg	1	500	<0.346	99	79.7 - 112
Acrylonitrile	547	µg/Kg	1	500	<1.51	109	74.9 - 124
2-Butanone (MEK)	508	µg/Kg	1	500	<3.78	102	50.9 - 124
4-Methyl-2-pentanone (MIBK)	527	µg/Kg	1	500	<7.86	105	71.2 - 134
2-Hexanone	565	µg/Kg	1	500	<5.70	113	43.1 - 135
trans 1,4-Dichloro-2-butene	552	µg/Kg	1	500	<1.33	110	46 - 134
1,1-Dichloroethene	495	µg/Kg	1	500	<0.639	99	76 - 118
Methylene chloride	489	µg/Kg	1	500	<1.19	98	64.4 - 110
MTBE	517	µg/Kg	1	500	<0.362	103	84.8 - 120
trans-1,2-Dichloroethene	495	µg/Kg	1	500	<0.419	99	82 - 112
1,1-Dichloroethane	500	µg/Kg	1	500	<0.257	100	81.4 - 113
cis-1,2-Dichloroethene	508	µg/Kg	1	500	<0.627	102	84.9 - 113
2,2-Dichloropropane	493	µg/Kg	1	500	<0.593	99	35.1 - 136
1,2-Dichloroethane (EDC)	493	µg/Kg	1	500	<0.524	99	35.1 - 136
Chloroform	498	µg/Kg	1	500	<0.440	100	81 - 115
1,1,1-Trichloroethane	490	µg/Kg	1	500	<0.750	98	80.2 - 113
1,1-Dichloropropene	495	µg/Kg	1	500	<0.622	99	75.4 - 113
Benzene	496	µg/Kg	1	500	<0.644	99	84.6 - 114
Carbon Tetrachloride	487	µg/Kg	1	500	<0.485	97	86.6 - 113
1,2-Dichloropropane	497	µg/Kg	1	500	<0.547	99	67 - 127
Trichloroethene (TCE)	486	µg/Kg	1	500	<0.836	97	84.9 - 115
Dibromomethane (methylene bromide)	498	µg/Kg	1	500	<0.435	100	92.6 - 114
Bromodichloromethane	498	µg/Kg	1	500	<0.457	100	87.7 - 114
2-Chloroethyl vinyl ether	504	µg/Kg	1	500	<0.547	101	81.1 - 121
cis-1,3-Dichloropropene	514	µg/Kg	1	500	<0.596	103	84.9 - 115
trans-1,3-Dichloropropene	520	µg/Kg	1	500	<0.561	104	85.8 - 118
Toluene	473	µg/Kg	1	500	<1.12	95	80.7 - 109
1,1,2-Trichloroethane	496	µg/Kg	1	500	<3.25	99	89 - 115
1,3-Dichloropropane	500	µg/Kg	1	500	<0.505	100	90.3 - 115
Dibromochloromethane	508	µg/Kg	1	500	<0.552	102	82.6 - 129
1,2-Dibromoethane (EDB)	514	µg/Kg	1	500	<0.688	103	93.3 - 117
Tetrachloroethene (PCE)	471	µg/Kg	1	500	<0.826	94	50.2 - 143
Chlorobenzene	474	µg/Kg	1	500	<0.426	95	86.1 - 111
1,1,1,2-Tetrachloroethane	506	µg/Kg	1	500	<0.289	101	81.4 - 122
Ethylbenzene	497	µg/Kg	1	500	<0.376	99	84.4 - 106
m,p-Xylene	998	µg/Kg	1	1000	<0.714	100	84 - 108
Bromoform	538	µg/Kg	1	500	<0.426	108	77 - 139
Styrene	533	µg/Kg	1	500	<0.796	107	87.6 - 122
o-Xylene	512	µg/Kg	1	500	<0.679	102	86.6 - 111
1,1,2,2-Tetrachloroethane	523	µg/Kg	1	500	<0.703	105	76.4 - 124
2-Chlorotoluene	470	µg/Kg	1	500	<1.26	94	81.7 - 115
1,2,3-Trichloropropane	485	µg/Kg	1	500	<0.504	97	75.7 - 134
Isopropylbenzene	469	µg/Kg	1	500	<1.30	94	81 - 118
Bromobenzene	471	µg/Kg	1	500	<0.480	94	82.7 - 121
n-Propylbenzene	467	µg/Kg	1	500	<0.421	93	73.4 - 115
1,3,5-Trimethylbenzene	477	µg/Kg	1	500	<2.10	95	76 - 113
tert-Butylbenzene	481	µg/Kg	1	500	<0.410	96	70 - 116
1,2,4-Trimethylbenzene	486	µg/Kg	1	500	<0.535	97	78.6 - 115

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,4-Dichlorobenzene (para)	466	µg/Kg	1	500	<0.387	93	78.6 - 109
sec-Butylbenzene	487	µg/Kg	1	500	<0.632	97	64 - 114
1,3-Dichlorobenzene (meta)	477	µg/Kg	1	500	<0.534	95	86.8 - 109
p-Isopropyltoluene	494	µg/Kg	1	500	<0.679	99	64.8 - 115
4-Chlorotoluene	472	µg/Kg	1	500	<0.675	94	83.3 - 117
1,2-Dichlorobenzene (ortho)	490	µg/Kg	1	500	<0.475	98	88.4 - 110
n-Butylbenzene	510	µg/Kg	1	500	<0.979	102	61.5 - 112
1,2-Dibromo-3-chloropropane	544	µg/Kg	1	500	<0.883	109	47.4 - 147
1,2,3-Trichlorobenzene	616	µg/Kg	1	500	<3.64	123	19.4 - 159
1,2,4-Trichlorobenzene	544	µg/Kg	1	500	<2.28	109	37.6 - 135
Naphthalene	642	µg/Kg	1	500	<4.41	128	20.8 - 179
Hexachlorobutadiene	484	µg/Kg	1	500	<3.24	97	54.5 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	504	µg/Kg	1	500	<0.825	101	85 - 114	0	20
Dichlorodifluoromethane	511	µg/Kg	1	500	<0.889	102	57.1 - 129	0	20
Chloromethane (methyl chloride)	508	µg/Kg	1	500	<0.929	102	66.7 - 111	2	20
Vinyl Chloride	513	µg/Kg	1	500	<0.463	103	66.6 - 116	2	20
Bromomethane (methyl bromide)	525	µg/Kg	1	500	<1.71	105	43.4 - 143	2	20
Chloroethane	505	µg/Kg	1	500	<3.68	101	44.9 - 135	0	20
Trichlorofluoromethane	530	µg/Kg	1	500	<0.306	106	57.6 - 131	1	20
Acetone	422	µg/Kg	1	500	<1.70	84	16.7 - 142	2	20
Iodomethane (methyl iodide)	508	µg/Kg	1	500	<0.640	102	81.1 - 116	1	20
Carbon Disulfide	496	µg/Kg	1	500	<0.346	99	79.7 - 112	1	20
Acrylonitrile	537	µg/Kg	1	500	<1.51	107	74.9 - 124	2	20
2-Butanone (MEK)	511	µg/Kg	1	500	<3.78	102	50.9 - 124	1	20
4-Methyl-2-pentanone (MIBK)	518	µg/Kg	1	500	<7.86	104	71.2 - 134	2	20
2-Hexanone	540	µg/Kg	1	500	<5.70	108	43.1 - 135	4	20
trans 1,4-Dichloro-2-butene	533	µg/Kg	1	500	<1.33	107	46 - 134	4	20
1,1-Dichloroethene	499	µg/Kg	1	500	<0.639	100	76 - 118	1	20
Methylene chloride	493	µg/Kg	1	500	<1.19	99	64.4 - 110	1	20
MTBE	518	µg/Kg	1	500	<0.362	104	84.8 - 120	0	20
trans-1,2-Dichloroethene	500	µg/Kg	1	500	<0.419	100	82 - 112	1	20
1,1-Dichloroethane	495	µg/Kg	1	500	<0.257	99	81.4 - 113	1	20
cis-1,2-Dichloroethene	507	µg/Kg	1	500	<0.627	101	84.9 - 113	0	20
2,2-Dichloropropane	485	µg/Kg	1	500	<0.593	97	35.1 - 136	2	20
1,2-Dichloroethane (EDC)	492	µg/Kg	1	500	<0.524	98	35.1 - 136	0	20
Chloroform	498	µg/Kg	1	500	<0.440	100	81 - 115	0	20
1,1,1-Trichloroethane	494	µg/Kg	1	500	<0.750	99	80.2 - 113	1	20
1,1-Dichloropropene	497	µg/Kg	1	500	<0.622	99	75.4 - 113	0	20
Benzene	497	µg/Kg	1	500	<0.644	99	84.6 - 114	0	20
Carbon Tetrachloride	498	µg/Kg	1	500	<0.485	100	86.6 - 113	2	20
1,2-Dichloropropane	502	µg/Kg	1	500	<0.547	100	67 - 127	1	20
Trichloroethene (TCE)	491	µg/Kg	1	500	<0.836	98	84.9 - 115	1	20
Dibromomethane (methylene bromide)	499	µg/Kg	1	500	<0.435	100	92.6 - 114	0	20
Bromodichloromethane	502	µg/Kg	1	500	<0.457	100	87.7 - 114	1	20
2-Chloroethyl vinyl ether	508	µg/Kg	1	500	<0.547	102	81.1 - 121	1	20
cis-1,3-Dichloropropene	526	µg/Kg	1	500	<0.596	105	84.9 - 115	2	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
trans-1,3-Dichloropropene	522	µg/Kg	1	500	<0.561	104	85.8 - 118	0	20
Toluene	475	µg/Kg	1	500	<1.12	95	80.7 - 109	0	20
1,1,2-Trichloroethane	492	µg/Kg	1	500	<3.25	98	89 - 115	1	20
1,3-Dichloropropane	494	µg/Kg	1	500	<0.505	99	90.3 - 115	1	20
Dibromochloromethane	509	µg/Kg	1	500	<0.552	102	82.6 - 129	0	20
1,2-Dibromoethane (EDB)	514	µg/Kg	1	500	<0.688	103	93.3 - 117	0	20
Tetrachloroethene (PCE)	473	µg/Kg	1	500	<0.826	95	50.2 - 143	0	20
Chlorobenzene	473	µg/Kg	1	500	<0.426	95	86.1 - 111	0	20
1,1,1,2-Tetrachloroethane	500	µg/Kg	1	500	<0.289	100	81.4 - 122	1	20
Ethylbenzene	494	µg/Kg	1	500	<0.376	99	84.4 - 106	1	20
m,p-Xylene	989	µg/Kg	1	1000	<0.714	99	84 - 108	1	20
Bromoform	534	µg/Kg	1	500	<0.426	107	77 - 139	1	20
Styrene	527	µg/Kg	1	500	<0.796	105	87.6 - 122	1	20
o-Xylene	505	µg/Kg	1	500	<0.679	101	86.6 - 111	1	20
1,1,2,2-Tetrachloroethane	508	µg/Kg	1	500	<0.703	102	76.4 - 124	3	20
2-Chlorotoluene	481	µg/Kg	1	500	<1.26	96	81.7 - 115	2	20
1,2,3-Trichloropropane	487	µg/Kg	1	500	<0.504	97	75.7 - 134	0	20
Isopropylbenzene	485	µg/Kg	1	500	<1.30	97	81 - 118	3	20
Bromobenzene	479	µg/Kg	1	500	<0.480	96	82.7 - 121	2	20
n-Propylbenzene	481	µg/Kg	1	500	<0.421	96	73.4 - 115	3	20
1,3,5-Trimethylbenzene	492	µg/Kg	1	500	<2.10	98	76 - 113	3	20
tert-Butylbenzene	492	µg/Kg	1	500	<0.410	98	70 - 116	2	20
1,2,4-Trimethylbenzene	503	µg/Kg	1	500	<0.535	101	78.6 - 115	3	20
1,4-Dichlorobenzene (para)	472	µg/Kg	1	500	<0.387	94	78.6 - 109	1	20
sec-Butylbenzene	493	µg/Kg	1	500	<0.632	99	64 - 114	1	20
1,3-Dichlorobenzene (meta)	484	µg/Kg	1	500	<0.534	97	86.8 - 109	1	20
p-Isopropyltoluene	502	µg/Kg	1	500	<0.679	100	64.8 - 115	2	20
4-Chlorotoluene	486	µg/Kg	1	500	<0.675	97	83.3 - 117	3	20
1,2-Dichlorobenzene (ortho)	501	µg/Kg	1	500	<0.475	100	88.4 - 110	2	20
n-Butylbenzene	515	µg/Kg	1	500	<0.979	103	61.5 - 112	1	20
1,2-Dibromo-3-chloropropane	525	µg/Kg	1	500	<0.883	105	47.4 - 147	4	20
1,2,3-Trichlorobenzene	625	µg/Kg	1	500	<3.64	125	19.4 - 159	1	20
1,2,4-Trichlorobenzene	552	µg/Kg	1	500	<2.28	110	37.6 - 135	1	20
Naphthalene	640	µg/Kg	1	500	<4.41	128	20.8 - 179	0	20
Hexachlorobutadiene	491	µg/Kg	1	500	<3.24	98	54.5 - 128	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	497	492	µg/Kg	1	500	99	98	79.7 - 120
Toluene-d8	492	486	µg/Kg	1	500	98	97	86.8 - 107
4-Bromofluorobenzene (4-BFB)	525	522	µg/Kg	1	500	105	104	82.5 - 116

Laboratory Control Spike (LCS-1)

QC Batch: 38961 Date Analyzed: 2007-07-10 Analyzed By: DS
Prep Batch: 33721 QC Preparation: 2007-07-10 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.95	mg/Kg	1	2.67	0	73	10 - 117
2-Chlorophenol	1.91	mg/Kg	1	2.67	0	72	10 - 117
1,4-Dichlorobenzene (para)	1.90	mg/Kg	1	2.67	0	71	10 - 116
N-Nitrosodi-n-propylamine	2.72	mg/Kg	1	2.67	0	102	10 - 121
1,2,4-Trichlorobenzene	2.15	mg/Kg	1	2.67	0	80	10 - 126
Naphthalene	1.95	mg/Kg	1	2.67	0	73	10 - 165
4-Chloro-3-methylphenol	2.14	mg/Kg	1	2.67	0	80	10 - 148
Acenaphthylene	2.33	mg/Kg	1	2.67	0	87	10 - 165
Acenaphthene	2.21	mg/Kg	1	2.67	0	83	10 - 154
Dibenzofuran	2.42	mg/Kg	1	2.67	0	91	10 - 165
4-Nitrophenol	2.33	mg/Kg	1	2.67	0	87	10 - 142
2,4-Dinitrotoluene	2.93	mg/Kg	1	2.67	0	110	10 - 170
Fluorene	2.45	mg/Kg	1	2.67	0	92	10 - 165
Pentachlorophenol	1.54	mg/Kg	1	2.67	0	58	10 - 145
Anthracene	2.52	mg/Kg	1	2.67	0	94	10 - 165
Phenanthrene	2.46	mg/Kg	1	2.67	0	92	10 - 165
Fluoranthene	2.73	mg/Kg	1	2.67	0	102	10 - 165
Pyrene	2.19	mg/Kg	1	2.67	0	82	10 - 227
Benzo(a)anthracene	2.26	mg/Kg	1	2.67	0	85	10 - 165
Chrysene	2.39	mg/Kg	1	2.67	0	90	10 - 165
Benzo(b)fluoranthene	2.30	mg/Kg	1	2.67	0	86	10 - 165
Benzo(k)fluoranthene	2.46	mg/Kg	1	2.67	0	92	10 - 165
Benzo(a)pyrene	2.54	mg/Kg	1	2.67	0	95	10 - 165
Indeno(1,2,3-cd)pyrene	2.67	mg/Kg	1	2.67	0	100	10 - 165
Dibenzo(a,h)anthracene	2.59	mg/Kg	1	2.67	0	97	10 - 165
Benzo(g,h,i)perylene	2.60	mg/Kg	1	2.67	0	97	10 - 165

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	1.98	mg/Kg	1	2.67	0	74	10 - 117	2	20
2-Chlorophenol	1.95	mg/Kg	1	2.67	0	73	10 - 117	2	20
1,4-Dichlorobenzene (para)	1.89	mg/Kg	1	2.67	0	71	10 - 116	0	20
N-Nitrosodi-n-propylamine	2.85	mg/Kg	1	2.67	0	107	10 - 121	5	20
1,2,4-Trichlorobenzene	2.20	mg/Kg	1	2.67	0	82	10 - 126	2	20
Naphthalene	1.97	mg/Kg	1	2.67	0	74	10 - 165	1	20
4-Chloro-3-methylphenol	2.08	mg/Kg	1	2.67	0	78	10 - 148	3	20
Acenaphthylene	2.39	mg/Kg	1	2.67	0	90	10 - 165	2	20
Acenaphthene	2.25	mg/Kg	1	2.67	0	84	10 - 154	2	20
Dibenzofuran	2.47	mg/Kg	1	2.67	0	92	10 - 165	2	20
4-Nitrophenol	2.46	mg/Kg	1	2.67	0	92	10 - 142	5	20
2,4-Dinitrotoluene	2.99	mg/Kg	1	2.67	0	112	10 - 170	2	20
Fluorene	2.54	mg/Kg	1	2.67	0	95	10 - 165	4	20
Pentachlorophenol	1.52	mg/Kg	1	2.67	0	57	10 - 145	1	20
Anthracene	2.52	mg/Kg	1	2.67	0	94	10 - 165	0	20
Phenanthrene	2.50	mg/Kg	1	2.67	0	94	10 - 165	2	20
Fluoranthene	2.74	mg/Kg	1	2.67	0	103	10 - 165	0	20
Pyrene	2.18	mg/Kg	1	2.67	0	82	10 - 227	0	20
Benzo(a)anthracene	2.27	mg/Kg	1	2.67	0	85	10 - 165	0	20
Chrysene	2.41	mg/Kg	1	2.67	0	90	10 - 165	1	20
Benzo(b)fluoranthene	2.30	mg/Kg	1	2.67	0	86	10 - 165	0	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzo(k)fluoranthene	2.44	mg/Kg	1	2.67	0	91	10 - 165	1	20
Benzo(a)pyrene	2.54	mg/Kg	1	2.67	0	95	10 - 165	0	20
Indeno(1,2,3-cd)pyrene	2.69	mg/Kg	1	2.67	0	101	10 - 165	1	20
Dibenzo(a,h)anthracene	2.59	mg/Kg	1	2.67	0	97	10 - 165	0	20
Benzo(g,h,i)perylene	2.63	mg/Kg	1	2.67	0	98	10 - 165	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	1.88	1.90	mg/Kg	1	2.67	70	71	10 - 103
Phenol-d5	2.15	2.17	mg/Kg	1	2.67	80	81	10 - 120
Nitrobenzene-d5	2.22	2.24	mg/Kg	1	2.67	83	84	10 - 125
2-Fluorobiphenyl	2.52	2.58	mg/Kg	1	2.67	94	97	10 - 123
2,4,6-Tribromophenol	3.31	3.41	mg/Kg	1	2.67	124	128	14.4 - 145
Terphenyl-d14	2.54	2.53	mg/Kg	1	2.67	95	95	16.3 - 168

Matrix Spike (MS-1) Spiked Sample: 129148

QC Batch: 38860 Date Analyzed: 2007-07-07 Analyzed By: TG
Prep Batch: 33634 QC Preparation: 2007-07-06 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	256	mg/Kg	1	250	<10.7	102	47.5 - 127

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	252	mg/Kg	1	250	<10.7	101	47.5 - 127	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	196	195	mg/Kg	1	150	131	130	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 129150

QC Batch: 38903 Date Analyzed: 2007-07-09 Analyzed By: JG
Prep Batch: 33670 QC Preparation: 2007-07-09 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	488	µg/Kg	1	500	<0.825	98	70.6 - 131
Dichlorodifluoromethane	330	µg/Kg	1	500	<0.889	66	52.9 - 135
Chloromethane (methyl chloride)	326	µg/Kg	1	500	<0.929	65	60.7 - 119
Vinyl Chloride	380	µg/Kg	1	500	<0.463	76	66 - 119
Bromomethane (methyl bromide)	77.6	µg/Kg	1	500	<1.71	16	15.5 - 148

continued ...

matrix spikes continued ...

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloroethane	[4]	49.1	µg/Kg	1	500	<3.68	10	42.5 - 123
Trichlorofluoromethane	[5]	49.7	µg/Kg	1	500	<0.306	10	50.7 - 144
Acetone		367	µg/Kg	1	500	<1.70	73	10 - 161
Iodomethane (methyl iodide)		493	µg/Kg	1	500	<0.640	99	75.9 - 111
Carbon Disulfide		392	µg/Kg	1	500	<0.346	78	64 - 121
Acrylonitrile		440	µg/Kg	1	500	<1.51	88	77.7 - 116
2-Butanone (MEK)		440	µg/Kg	1	500	<3.78	88	28.3 - 136
4-Methyl-2-pentanone (MIBK)		452	µg/Kg	1	500	<7.86	90	78.8 - 115
2-Hexanone		394	µg/Kg	1	500	<5.70	79	34.9 - 129
trans 1,4-Dichloro-2-butene		390	µg/Kg	1	500	<1.33	78	43.6 - 112
1,1-Dichloroethene		448	µg/Kg	1	500	<0.639	90	76.1 - 115
Methylene chloride		459	µg/Kg	1	500	<1.19	92	59.4 - 113
MTBE		445	µg/Kg	1	500	<0.362	89	60 - 129
trans-1,2-Dichloroethene		463	µg/Kg	1	500	<0.419	93	78.2 - 110
1,1-Dichloroethane		434	µg/Kg	1	500	<0.257	87	79.7 - 111
cis-1,2-Dichloroethene		476	µg/Kg	1	500	<0.627	95	78.6 - 111
2,2-Dichloropropane		368	µg/Kg	1	500	<0.593	74	10 - 120
1,2-Dichloroethane (EDC)		396	µg/Kg	1	500	<0.524	79	75.7 - 123
Chloroform		438	µg/Kg	1	500	<0.440	88	78.4 - 116
1,1,1-Trichloroethane		405	µg/Kg	1	500	<0.750	81	68.9 - 119
1,1-Dichloropropene		476	µg/Kg	1	500	<0.622	95	80.3 - 120
Benzene		485	µg/Kg	1	500	<0.644	97	82.1 - 110
Carbon Tetrachloride		379	µg/Kg	1	500	<0.485	76	60.8 - 138
1,2-Dichloropropane		471	µg/Kg	1	500	<0.547	94	84.2 - 111
Trichloroethene (TCE)		536	µg/Kg	1	500	<0.836	107	75.5 - 129
Dibromomethane (methylene bromide)		470	µg/Kg	1	500	<0.435	94	81.8 - 117
Bromodichloromethane		425	µg/Kg	1	500	<0.457	85	70 - 130
2-Chloroethyl vinyl ether		478	µg/Kg	1	500	<0.547	96	84.2 - 111
cis-1,3-Dichloropropene		474	µg/Kg	1	500	<0.596	95	75.3 - 114
trans-1,3-Dichloropropene		457	µg/Kg	1	500	<0.561	91	75.7 - 117
Toluene		466	µg/Kg	1	500	<1.12	93	82.3 - 108
1,1,2-Trichloroethane		478	µg/Kg	1	500	<3.25	96	83.4 - 113
1,3-Dichloropropane		466	µg/Kg	1	500	<0.505	93	88.2 - 115
Dibromochloromethane		442	µg/Kg	1	500	<0.552	88	78.2 - 127
1,2-Dibromoethane (EDB)		512	µg/Kg	1	500	<0.688	102	88.9 - 115
Tetrachloroethene (PCE)		574	µg/Kg	1	500	<0.826	115	35.1 - 201
Chlorobenzene		507	µg/Kg	1	500	<0.426	101	84.1 - 111
1,1,1,2-Tetrachloroethane		467	µg/Kg	1	500	<0.289	93	77.2 - 129
Ethylbenzene		485	µg/Kg	1	500	<0.376	97	81.2 - 113
m,p-Xylene		1000	µg/Kg	1	1000	<0.714	100	79 - 118
Bromoform		396	µg/Kg	1	500	<0.426	79	70.1 - 136
Styrene		546	µg/Kg	1	500	<0.796	109	86.8 - 112
o-Xylene		508	µg/Kg	1	500	<0.679	102	78.7 - 120
1,1,2,2-Tetrachloroethane		430	µg/Kg	1	500	<0.703	86	55.8 - 131
2-Chlorotoluene		484	µg/Kg	1	500	<1.26	97	72.4 - 128
1,2,3-Trichloropropane		422	µg/Kg	1	500	<0.504	84	80.5 - 119
Isopropylbenzene		511	µg/Kg	1	500	<1.30	102	73.5 - 130
Bromobenzene		468	µg/Kg	1	500	<0.480	94	75.5 - 129

continued ...

[4] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[5] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
n-Propylbenzene		482	µg/Kg	1	500	<0.421	96	70.5 - 123
1,3,5-Trimethylbenzene		524	µg/Kg	1	500	<2.10	105	59.2 - 141
tert-Butylbenzene		543	µg/Kg	1	500	<0.410	109	55.6 - 142
1,2,4-Trimethylbenzene		549	µg/Kg	1	500	<0.535	110	50 - 150
1,4-Dichlorobenzene (para)		520	µg/Kg	1	500	<0.387	104	63.6 - 127
sec-Butylbenzene		540	µg/Kg	1	500	<0.632	108	52.8 - 134
1,3-Dichlorobenzene (meta)		536	µg/Kg	1	500	<0.534	107	75.6 - 125
p-Isopropyltoluene		564	µg/Kg	1	500	<0.679	113	46.1 - 145
4-Chlorotoluene		503	µg/Kg	1	500	<0.675	101	78.4 - 126
1,2-Dichlorobenzene (ortho)		540	µg/Kg	1	500	<0.475	108	76.3 - 127
n-Butylbenzene		559	µg/Kg	1	500	<0.979	112	45.3 - 135
1,2-Dibromo-3-chloropropane		446	µg/Kg	1	500	<0.883	89	60.8 - 136
1,2,3-Trichlorobenzene		600	µg/Kg	1	500	<3.64	120	20.8 - 136
1,2,4-Trichlorobenzene		680	µg/Kg	1	500	<2.28	136	15 - 172
Naphthalene		578	µg/Kg	1	500	<4.41	116	10 - 219
Hexachlorobutadiene	[6]	677	µg/Kg	1	500	<3.24	135	55.4 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		454	µg/Kg	1	500	<0.825	91	70.6 - 131	7	20
Dichlorodifluoromethane		330	µg/Kg	1	500	<0.889	66	52.9 - 135	0	20
Chloromethane (methyl chloride)		316	µg/Kg	1	500	<0.929	63	60.7 - 119	3	20
Vinyl Chloride		371	µg/Kg	1	500	<0.463	74	66 - 119	2	20
Bromomethane (methyl bromide)	[7]	73.6	µg/Kg	1	500	<1.71	15	15.5 - 148	5	20
Chloroethane	[8]	44.9	µg/Kg	1	500	<3.68	9	42.5 - 123	9	20
Trichlorofluoromethane	[9]	44.2	µg/Kg	1	500	<0.306	9	50.7 - 144	12	20
Acetone		247	µg/Kg	1	500	<1.70	49	10 - 161	39	20
Iodomethane (methyl iodide)		463	µg/Kg	1	500	<0.640	93	75.9 - 111	6	20
Carbon Disulfide		365	µg/Kg	1	500	<0.346	73	64 - 121	7	20
Acrylonitrile		397	µg/Kg	1	500	<1.51	79	77.7 - 116	10	20
2-Butanone (MEK)		406	µg/Kg	1	500	<3.78	81	28.3 - 136	8	20
4-Methyl-2-pentanone (MIBK)		396	µg/Kg	1	500	<7.86	79	78.8 - 115	13	20
2-Hexanone		322	µg/Kg	1	500	<5.70	64	34.9 - 129	20	20
trans 1,4-Dichloro-2-butene		349	µg/Kg	1	500	<1.33	70	43.6 - 112	11	20
1,1-Dichloroethene		428	µg/Kg	1	500	<0.639	86	76.1 - 115	5	20
Methylene chloride		431	µg/Kg	1	500	<1.19	86	59.4 - 113	6	20
MTBE		411	µg/Kg	1	500	<0.362	82	60 - 129	8	20
trans-1,2-Dichloroethene		435	µg/Kg	1	500	<0.419	87	78.2 - 110	6	20
1,1-Dichloroethane		410	µg/Kg	1	500	<0.257	82	79.7 - 111	6	20
cis-1,2-Dichloroethene		448	µg/Kg	1	500	<0.627	90	78.6 - 111	6	20
2,2-Dichloropropane		349	µg/Kg	1	500	<0.593	70	10 - 120	5	20
1,2-Dichloroethane (EDC)	[10]	368	µg/Kg	1	500	<0.524	74	75.7 - 123	7	20
Chloroform		412	µg/Kg	1	500	<0.440	82	78.4 - 116	6	20
1,1,1-Trichloroethane		389	µg/Kg	1	500	<0.750	78	68.9 - 119	4	20
1,1-Dichloropropene		446	µg/Kg	1	500	<0.622	89	80.3 - 120	6	20

continued ...

[6] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[7] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[8] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[9] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[10] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued ...

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		455	µg/Kg	1	500	<0.644	91	82.1 - 110	6	20
Carbon Tetrachloride		379	µg/Kg	1	500	<0.485	76	60.8 - 138	0	20
1,2-Dichloropropane		439	µg/Kg	1	500	<0.547	88	84.2 - 111	7	20
Trichloroethene (TCE)		504	µg/Kg	1	500	<0.836	101	75.5 - 129	6	20
Dibromomethane (methylene bromide)		433	µg/Kg	1	500	<0.435	87	81.8 - 117	8	20
Bromodichloromethane		407	µg/Kg	1	500	<0.457	81	70 - 130	4	20
2-Chloroethyl vinyl ether		445	µg/Kg	1	500	<0.547	89	84.2 - 111	7	20
cis-1,3-Dichloropropene		444	µg/Kg	1	500	<0.596	89	75.3 - 114	6	20
trans-1,3-Dichloropropene		422	µg/Kg	1	500	<0.561	84	75.7 - 117	8	20
Toluene		438	µg/Kg	1	500	<1.12	88	82.3 - 108	6	20
1,1,2-Trichloroethane		435	µg/Kg	1	500	<3.25	87	83.4 - 113	9	20
1,3-Dichloropropane	[11]	438	µg/Kg	1	500	<0.505	88	88.2 - 115	6	20
Dibromochloromethane		417	µg/Kg	1	500	<0.552	83	78.2 - 127	6	20
1,2-Dibromoethane (EDB)		476	µg/Kg	1	500	<0.688	95	88.9 - 115	7	20
Tetrachloroethene (PCE)		553	µg/Kg	1	500	<0.826	111	35.1 - 201	4	20
Chlorobenzene		478	µg/Kg	1	500	<0.426	96	84.1 - 111	6	20
1,1,1,2-Tetrachloroethane		456	µg/Kg	1	500	<0.289	91	77.2 - 129	2	20
Ethylbenzene		464	µg/Kg	1	500	<0.376	93	81.2 - 113	4	20
m,p-Xylene		937	µg/Kg	1	1000	<0.714	94	79 - 118	6	20
Bromoform		381	µg/Kg	1	500	<0.426	76	70.1 - 136	4	20
Styrene		514	µg/Kg	1	500	<0.796	103	86.8 - 112	6	20
o-Xylene		476	µg/Kg	1	500	<0.679	95	78.7 - 120	6	20
1,1,2,2-Tetrachloroethane		394	µg/Kg	1	500	<0.703	79	55.8 - 131	9	20
2-Chlorotoluene		456	µg/Kg	1	500	<1.26	91	72.4 - 128	6	20
1,2,3-Trichloropropane	[12]	385	µg/Kg	1	500	<0.504	77	80.5 - 119	9	20
Isopropylbenzene		483	µg/Kg	1	500	<1.30	97	73.5 - 130	6	20
Bromobenzene		431	µg/Kg	1	500	<0.480	86	75.5 - 129	8	20
n-Propylbenzene		456	µg/Kg	1	500	<0.421	91	70.5 - 123	6	20
1,3,5-Trimethylbenzene		487	µg/Kg	1	500	<2.10	97	59.2 - 141	7	20
tert-Butylbenzene		519	µg/Kg	1	500	<0.410	104	55.6 - 142	4	20
1,2,4-Trimethylbenzene		505	µg/Kg	1	500	<0.535	101	50 - 150	8	20
1,4-Dichlorobenzene (para)		486	µg/Kg	1	500	<0.387	97	63.6 - 127	7	20
sec-Butylbenzene		513	µg/Kg	1	500	<0.632	103	52.8 - 134	5	20
1,3-Dichlorobenzene (meta)		503	µg/Kg	1	500	<0.534	101	75.6 - 125	6	20
p-Isopropyltoluene		538	µg/Kg	1	500	<0.679	108	46.1 - 145	5	20
4-Chlorotoluene		474	µg/Kg	1	500	<0.675	95	78.4 - 126	6	20
1,2-Dichlorobenzene (ortho)		503	µg/Kg	1	500	<0.475	101	76.3 - 127	7	20
n-Butylbenzene		543	µg/Kg	1	500	<0.979	109	45.3 - 135	3	20
1,2-Dibromo-3-chloropropane		407	µg/Kg	1	500	<0.883	81	60.8 - 136	9	20
1,2,3-Trichlorobenzene	[13]	689	µg/Kg	1	500	<3.64	138	20.8 - 136	14	20
1,2,4-Trichlorobenzene		666	µg/Kg	1	500	<2.28	133	15 - 172	2	20
Naphthalene		596	µg/Kg	1	500	<4.41	119	10 - 219	3	20
Hexachlorobutadiene	[14]	673	µg/Kg	1	500	<3.24	135	55.4 - 122	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[11] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[12] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[13] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[14] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	413	417	μg/Kg	1	500	83	83	79.1 - 110
Toluene-d8	469	474	μg/Kg	1	500	94	95	84.3 - 108
4-Bromofluorobenzene (4-BFB)	506	506	μg/Kg	1	500	101	101	84.5 - 109

Matrix Spike (MS-1) Spiked Sample: 129147

QC Batch: 38961 Date Analyzed: 2007-07-10 Analyzed By: DS
Prep Batch: 33721 QC Preparation: 2007-07-10 Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.66	mg/Kg	1	2.67	0	62	10 - 117
2-Chlorophenol	1.62	mg/Kg	1	2.67	0	61	10 - 117
1,4-Dichlorobenzene (para)	1.55	mg/Kg	1	2.67	0	58	10 - 116
N-Nitrosodi-n-propylamine	2.25	mg/Kg	1	2.67	0	84	10 - 121
1,2,4-Trichlorobenzene	1.78	mg/Kg	1	2.67	0	67	10 - 126
Naphthalene	1.66	mg/Kg	1	2.67	0	62	10 - 165
4-Chloro-3-methylphenol	1.97	mg/Kg	1	2.67	0	74	10 - 148
Acenaphthylene	1.96	mg/Kg	1	2.67	0	73	10 - 165
Acenaphthene	1.88	mg/Kg	1	2.67	0	70	10 - 154
Dibenzofuran	2.06	mg/Kg	1	2.67	0	77	10 - 165
4-Nitrophenol	2.21	mg/Kg	1	2.67	0	83	10 - 142
2,4-Dinitrotoluene	2.45	mg/Kg	1	2.67	0	92	10 - 170
Fluorene	2.09	mg/Kg	1	2.67	0	78	10 - 165
Pentachlorophenol	2.00	mg/Kg	1	2.67	0	75	10 - 145
Anthracene	2.24	mg/Kg	1	2.67	0	84	10 - 165
Phenanthrene	2.20	mg/Kg	1	2.67	0	82	10 - 165
Fluoranthene	2.54	mg/Kg	1	2.67	0	95	10 - 165
Pyrene	2.10	mg/Kg	1	2.67	0	79	10 - 227
Benzo(a)anthracene	2.18	mg/Kg	1	2.67	0	82	10 - 165
Chrysene	1.84	mg/Kg	1	2.67	0	69	10 - 165
Benzo(b)fluoranthene	2.60	mg/Kg	1	2.67	0	97	10 - 165
Benzo(k)fluoranthene	2.85	mg/Kg	1	2.67	0	107	10 - 165
Benzo(a)pyrene	2.90	mg/Kg	1	2.67	0	109	10 - 165
Indeno(1,2,3-cd)pyrene	3.10	mg/Kg	1	2.67	0	116	10 - 165
Dibenzo(a,h)anthracene	2.94	mg/Kg	1	2.67	0	110	10 - 165
Benzo(g,h,i)perylene	3.05	mg/Kg	1	2.67	0	114	10 - 165

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	1.62	mg/Kg	1	2.67	0	61	10 - 117	2	20
2-Chlorophenol	1.59	mg/Kg	1	2.67	0	60	10 - 117	2	20
1,4-Dichlorobenzene (para)	1.52	mg/Kg	1	2.67	0	57	10 - 116	2	20
N-Nitrosodi-n-propylamine	2.18	mg/Kg	1	2.67	0	82	10 - 121	3	20
1,2,4-Trichlorobenzene	1.74	mg/Kg	1	2.67	0	65	10 - 126	2	20
Naphthalene	1.62	mg/Kg	1	2.67	0	61	10 - 165	2	20
4-Chloro-3-methylphenol	1.93	mg/Kg	1	2.67	0	72	10 - 148	2	20
Acenaphthylene	1.92	mg/Kg	1	2.67	0	72	10 - 165	2	20
Acenaphthene	1.85	mg/Kg	1	2.67	0	69	10 - 154	2	20

continued ...

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dibenzofuran	2.01	mg/Kg	1	2.67	0	75	10 - 165	2	20
4-Nitrophenol	2.18	mg/Kg	1	2.67	0	82	10 - 142	1	20
2,4-Dinitrotoluene	2.37	mg/Kg	1	2.67	0	89	10 - 170	3	20
Fluorene	2.06	mg/Kg	1	2.67	0	77	10 - 165	1	20
Pentachlorophenol	1.99	mg/Kg	1	2.67	0	74	10 - 145	0	20
Anthracene	2.20	mg/Kg	1	2.67	0	82	10 - 165	2	20
Phenanthrene	2.16	mg/Kg	1	2.67	0	81	10 - 165	2	20
Fluoranthene	2.51	mg/Kg	1	2.67	0	94	10 - 165	1	20
Pyrene	2.06	mg/Kg	1	2.67	0	77	10 - 227	2	20
Benzo(a)anthracene	2.12	mg/Kg	1	2.67	0	79	10 - 165	3	20
Chrysene	1.83	mg/Kg	1	2.67	0	68	10 - 165	0	20
Benzo(b)fluoranthene	2.58	mg/Kg	1	2.67	0	97	10 - 165	1	20
Benzo(k)fluoranthene	2.69	mg/Kg	1	2.67	0	101	10 - 165	6	20
Benzo(a)pyrene	2.82	mg/Kg	1	2.67	0	106	10 - 165	3	20
Indeno(1,2,3-cd)pyrene	3.01	mg/Kg	1	2.67	0	113	10 - 165	3	20
Dibenzo(a,h)anthracene	2.86	mg/Kg	1	2.67	0	107	10 - 165	3	20
Benzo(g,h,i)perylene	2.95	mg/Kg	1	2.67	0	110	10 - 165	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	1.44	1.41	mg/Kg	1	2.67	54	53	10 - 103
Phenol-d5	1.62	1.58	mg/Kg	1	2.67	61	59	10 - 120
Nitrobenzene-d5	1.70	1.66	mg/Kg	1	2.67	64	62	10 - 125
2-Fluorobiphenyl	1.83	1.81	mg/Kg	1	2.67	68	68	10 - 123
2,4,6-Tribromophenol	2.65	2.60	mg/Kg	1	2.67	99	97	14.4 - 145
Terphenyl-d14	1.94	1.90	mg/Kg	1	2.67	73	71	16.3 - 168

Standard (ICV-1)

QC Batch: 38860 Date Analyzed: 2007-07-07 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	256	102	85 - 115	2007-07-07

Standard (CCV-1)

QC Batch: 38860 Date Analyzed: 2007-07-07 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	244	98	85 - 115	2007-07-07

Standard (CCV-1)

QC Batch: 38903 Date Analyzed: 2007-07-09 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/Kg	50.0	51.4	103	70 - 130	2007-07-09
Dichlorodifluoromethane		µg/Kg	50.0	47.6	95	70 - 130	2007-07-09
Chloromethane (methyl chloride)		µg/Kg	50.0	49.6	99	70 - 130	2007-07-09
Vinyl Chloride		µg/Kg	50.0	49.5	99	80 - 120	2007-07-09
Bromomethane (methyl bromide)		µg/Kg	50.0	52.0	104	70 - 130	2007-07-09
Chloroethane		µg/Kg	50.0	50.2	100	70 - 130	2007-07-09
Trichlorofluoromethane		µg/Kg	50.0	52.3	105	70 - 130	2007-07-09
Acetone		µg/Kg	50.0	43.8	88	70 - 130	2007-07-09
Iodomethane (methyl iodide)		µg/Kg	50.0	50.4	101	70 - 130	2007-07-09
Carbon Disulfide		µg/Kg	50.0	50.1	100	70 - 130	2007-07-09
Acrylonitrile		µg/Kg	50.0	57.0	114	70 - 130	2007-07-09
2-Butanone (MEK)		µg/Kg	50.0	52.2	104	70 - 130	2007-07-09
4-Methyl-2-pentanone (MIBK)		µg/Kg	50.0	53.6	107	70 - 130	2007-07-09
2-Hexanone		µg/Kg	50.0	57.8	116	70 - 130	2007-07-09
trans 1,4-Dichloro-2-butene		µg/Kg	50.0	58.3	117	70 - 130	2007-07-09
1,1-Dichloroethene		µg/Kg	50.0	49.7	99	80 - 120	2007-07-09
Methylene chloride		µg/Kg	50.0	50.0	100	70 - 130	2007-07-09
MTBE		µg/Kg	50.0	52.5	105	70 - 130	2007-07-09
trans-1,2-Dichloroethene		µg/Kg	50.0	51.2	102	70 - 130	2007-07-09
1,1-Dichloroethane		µg/Kg	50.0	50.4	101	70 - 130	2007-07-09
cis-1,2-Dichloroethene		µg/Kg	50.0	51.9	104	70 - 130	2007-07-09
2,2-Dichloropropane		µg/Kg	50.0	50.6	101	70 - 130	2007-07-09
1,2-Dichloroethane (EDC)		µg/Kg	50.0	50.8	102	70 - 130	2007-07-09
Chloroform		µg/Kg	50.0	51.3	103	80 - 120	2007-07-09
1,1,1-Trichloroethane		µg/Kg	50.0	50.1	100	70 - 130	2007-07-09
1,1-Dichloropropene		µg/Kg	50.0	50.3	101	70 - 130	2007-07-09
Benzene		µg/Kg	50.0	51.0	102	70 - 130	2007-07-09
Carbon Tetrachloride		µg/Kg	50.0	48.9	98	70 - 130	2007-07-09
1,2-Dichloropropane		µg/Kg	50.0	50.8	102	80 - 120	2007-07-09
Trichloroethene (TCE)		µg/Kg	50.0	49.1	98	70 - 130	2007-07-09
Dibromomethane (methylene bromide)		µg/Kg	50.0	50.7	101	70 - 130	2007-07-09
Bromodichloromethane		µg/Kg	50.0	50.3	101	70 - 130	2007-07-09
2-Chloroethyl vinyl ether		µg/Kg	50.0	51.5	103	70 - 130	2007-07-09
cis-1,3-Dichloropropene		µg/Kg	50.0	52.5	105	70 - 130	2007-07-09
trans-1,3-Dichloropropene		µg/Kg	50.0	53.8	108	70 - 130	2007-07-09
Toluene		µg/Kg	50.0	48.3	97	80 - 120	2007-07-09
1,1,2-Trichloroethane		µg/Kg	50.0	50.6	101	70 - 130	2007-07-09
1,3-Dichloropropane		µg/Kg	50.0	50.9	102	70 - 130	2007-07-09
Dibromochloromethane		µg/Kg	50.0	50.4	101	70 - 130	2007-07-09
1,2-Dibromoethane (EDB)		µg/Kg	50.0	51.6	103	70 - 130	2007-07-09
Tetrachloroethene (PCE)		µg/Kg	50.0	47.3	95	70 - 130	2007-07-09
Chlorobenzene		µg/Kg	50.0	47.8	96	80 - 120	2007-07-09
1,1,1,2-Tetrachloroethane		µg/Kg	50.0	50.5	101	70 - 130	2007-07-09
Ethylbenzene		µg/Kg	50.0	50.2	100	80 - 120	2007-07-09
m,p-Xylene		µg/Kg	100	102	102	70 - 130	2007-07-09
Bromoform		µg/Kg	50.0	54.3	109	70 - 130	2007-07-09
Styrene		µg/Kg	50.0	54.7	109	70 - 130	2007-07-09
o-Xylene		µg/Kg	50.0	52.3	105	70 - 130	2007-07-09
1,1,2,2-Tetrachloroethane		µg/Kg	50.0	53.0	106	70 - 130	2007-07-09
2-Chlorotoluene		µg/Kg	50.0	47.1	94	70 - 130	2007-07-09

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2,3-Trichloropropane		µg/Kg	50.0	48.3	97	70 - 130	2007-07-09
Isopropylbenzene		µg/Kg	50.0	47.3	95	70 - 130	2007-07-09
Bromobenzene		µg/Kg	50.0	47.5	95	70 - 130	2007-07-09
n-Propylbenzene		µg/Kg	50.0	47.0	94	70 - 130	2007-07-09
1,3,5-Trimethylbenzene		µg/Kg	50.0	48.1	96	70 - 130	2007-07-09
tert-Butylbenzene		µg/Kg	50.0	48.4	97	70 - 130	2007-07-09
1,2,4-Trimethylbenzene		µg/Kg	50.0	49.3	99	70 - 130	2007-07-09
1,4-Dichlorobenzene (para)		µg/Kg	50.0	47.0	94	70 - 130	2007-07-09
sec-Butylbenzene		µg/Kg	50.0	48.8	98	70 - 130	2007-07-09
1,3-Dichlorobenzene (meta)		µg/Kg	50.0	48.0	96	70 - 130	2007-07-09
p-Isopropyltoluene		µg/Kg	50.0	49.7	99	70 - 130	2007-07-09
4-Chlorotoluene		µg/Kg	50.0	47.6	95	70 - 130	2007-07-09
1,2-Dichlorobenzene (ortho)		µg/Kg	50.0	49.5	99	70 - 130	2007-07-09
n-Butylbenzene		µg/Kg	50.0	51.5	103	70 - 130	2007-07-09
1,2-Dibromo-3-chloropropane		µg/Kg	50.0	51.9	104	70 - 130	2007-07-09
1,2,3-Trichlorobenzene		µg/Kg	50.0	49.9	100	70 - 130	2007-07-09
1,2,4-Trichlorobenzene		µg/Kg	50.0	51.0	102	70 - 130	2007-07-09
Naphthalene		µg/Kg	50.0	52.2	104	70 - 130	2007-07-09
Hexachlorobutadiene		µg/Kg	50.0	46.8	94	70 - 130	2007-07-09

Standard (CCV-1)

QC Batch: 38961 Date Analyzed: 2007-07-10 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60.0	59.0	98	80 - 120	2007-07-10
1,4-Dichlorobenzene (para)		mg/Kg	60.0	59.7	100	80 - 120	2007-07-10
2-Nitrophenol		mg/Kg	60.0	64.0	107	80 - 120	2007-07-10
2,4-Dichlorophenol		mg/Kg	60.0	58.9	98	80 - 120	2007-07-10
Hexachlorobutadiene		mg/Kg	60.0	68.5	114	80 - 120	2007-07-10
4-Chloro-3-methylphenol		mg/Kg	60.0	58.8	98	80 - 120	2007-07-10
2,4,6-Trichlorophenol		mg/Kg	60.0	64.0	107	80 - 120	2007-07-10
Acenaphthene		mg/Kg	60.0	56.5	94	80 - 120	2007-07-10
Diphenylamine		mg/Kg	60.0	62.3	104	80 - 120	2007-07-10
Pentachlorophenol		mg/Kg	60.0	63.7	106	80 - 120	2007-07-10
Fluoranthene		mg/Kg	60.0	61.3	102	80 - 120	2007-07-10
Di-n-octylphthalate		mg/Kg	60.0	54.7	91	80 - 120	2007-07-10
Benzo(a)pyrene		mg/Kg	60.0	60.3	100	80 - 120	2007-07-10

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		58.9	mg/Kg	1	60.0	98	80 - 120
Phenol-d5		56.0	mg/Kg	1	60.0	93	80 - 120
Nitrobenzene-d5		61.6	mg/Kg	1	60.0	103	80 - 120
2-Fluorobiphenyl		56.7	mg/Kg	1	60.0	94	80 - 120
2,4,6-Tribromophenol		67.3	mg/Kg	1	60.0	112	80 - 120
Terphenyl-d14		59.5	mg/Kg	1	60.0	99	80 - 120

Analytical and Quality Control Report

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WTS
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Building 126 3RD Floor
WSMR, NM, 88002

Report Date: July 10, 2007

Work Order: 7070218

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
128951	0209-CF-001-32.0	soil	2007-06-28	15:00	2007-06-30
128952	0209-CF-002-30.0	soil	2007-06-29	11:00	2007-06-30
128953	0209-CF-003-20.0	soil	2007-06-29	13:15	2007-06-30
128954	0209-CF-004-20.0	soil	2007-06-29	14:00	2007-06-30
128955	0209-CF-104-20.0	soil	2007-06-29	14:00	2007-06-30
128956	0209-CF-005-10.0	soil	2007-06-29	14:10	2007-06-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 38 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-06-30 and assigned to work order 7070218. Samples for work order 7070218 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C
TPH DRO	Mod. 8015B
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7070218 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 128951 - 0209-CF-001-32.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38704	Date Analyzed:	2007-07-02	Analyzed By:	DS
Prep Batch:	33504	Sample Preparation:	2007-07-02	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250

continued ...

sample 128951 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		**2.14**	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.85	mg/Kg	1	2.67	69	10 - 98.8
Phenol-d5		2.42	mg/Kg	1	2.67	91	10 - 105
Nitrobenzene-d5		2.41	mg/Kg	1	2.67	90	10 - 114
2-Fluorobiphenyl		2.20	mg/Kg	1	2.67	82	10 - 122
2,4,6-Tribromophenol		2.50	mg/Kg	1	2.67	94	10 - 117
Terphenyl-d14		2.12	mg/Kg	1	2.67	79	10 - 116

Sample: 128951 - 0209-CF-001-32.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38785	Date Analyzed:	2007-07-05	Analyzed By:	TG
Prep Batch:	33564	Sample Preparation:	2007-07-05	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**249**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		206	mg/Kg	1	150	137	62.5 - 164

Sample: 128951 - 0209-CF-001-32.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38726	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33520	Sample Preparation:	2007-07-02	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0

continued ...

sample 128951 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
cis-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
2,2-Dichloropropane		<10.0	μg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	1	10.0
Chloroform		<10.0	μg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	μg/Kg	1	10.0
1,1-Dichloropropene		<10.0	μg/Kg	1	10.0
Benzene		<10.0	μg/Kg	1	10.0
Carbon Tetrachloride		<10.0	μg/Kg	1	10.0
1,2-Dichloropropane		<10.0	μg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	μg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	μg/Kg	1	10.0
Bromodichloromethane		<10.0	μg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	μg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		422	μg/Kg	1	500	84	79.7 - 120
Toluene-d8		518	μg/Kg	1	500	104	86.8 - 107
4-Bromofluorobenzene (4-BFB)		540	μg/Kg	1	500	108	82.5 - 116

Sample: 128952 - 0209-CF-002-30.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38693	Date Analyzed:	2007-07-02	Analyzed By:	TG
Prep Batch:	33494	Sample Preparation:	2007-07-02	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		218	mg/Kg	1	150	145	62.5 - 164

Sample: 128953 - 0209-CF-003-20.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38704	Date Analyzed:	2007-07-02	Analyzed By:	DS
Prep Batch:	33504	Sample Preparation:	2007-07-02	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250

continued ...

sample 128953 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250

continued ...

sample 128953 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate	[1]	**12.3**	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.83	mg/Kg	1	2.67	68	10 - 98.8
Phenol-d5		2.36	mg/Kg	1	2.67	88	10 - 105
Nitrobenzene-d5		2.00	mg/Kg	1	2.67	75	10 - 114
2-Fluorobiphenyl		2.46	mg/Kg	1	2.67	92	10 - 122
2,4,6-Tribromophenol		2.45	mg/Kg	1	2.67	92	10 - 117
Terphenyl-d14		2.20	mg/Kg	1	2.67	82	10 - 116

Sample: 128953 - 0209-CF-003-20.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38785	Date Analyzed:	2007-07-05	Analyzed By:	TG
Prep Batch:	33564	Sample Preparation:	2007-07-05	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		202	mg/Kg	1	150	135	62.5 - 164

[1] Estimated concentration value greater than standard range.

Sample: 128953 - 0209-CF-003-20.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38726	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33520	Sample Preparation:	2007-07-02	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0

continued . . .

sample 128953 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		420	µg/Kg	1	500	84	79.7 - 120
Toluene-d8		513	µg/Kg	1	500	103	86.8 - 107
4-Bromofluorobenzene (4-BFB)		544	µg/Kg	1	500	109	82.5 - 116

Sample: 128954 - 0209-CF-004-20.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38704	Date Analyzed:	2007-07-02	Analyzed By:	DS
Prep Batch:	33504	Sample Preparation:	2007-07-02	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250

continued . . .

sample 128954 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250

continued ...

sample 128954 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.35	mg/Kg	1	2.67	50	10 - 98.8
Phenol-d5		1.72	mg/Kg	1	2.67	64	10 - 105
Nitrobenzene-d5		1.43	mg/Kg	1	2.67	54	10 - 114
2-Fluorobiphenyl		1.93	mg/Kg	1	2.67	72	10 - 122
2,4,6-Tribromophenol		2.29	mg/Kg	1	2.67	86	10 - 117
Terphenyl-d14		2.23	mg/Kg	1	2.67	84	10 - 116

Sample: 128954 - 0209-CF-004-20.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38785	Date Analyzed:	2007-07-05	Analyzed By:	TG
Prep Batch:	33564	Sample Preparation:	2007-07-05	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		207	mg/Kg	1	150	138	62.5 - 164

Sample: 128954 - 0209-CF-004-20.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38726	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33520	Sample Preparation:	2007-07-02	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0

continued . . .

sample 128954 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		406	μg/Kg	1	500	81	79.7 - 120
Toluene-d8		509	μg/Kg	1	500	102	86.8 - 107
4-Bromofluorobenzene (4-BFB)		542	μg/Kg	1	500	108	82.5 - 116

Sample: 128955 - 0209-CF-104-20.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38704	Date Analyzed:	2007-07-02	Analyzed By:	DS
Prep Batch:	33504	Sample Preparation:	2007-07-02	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250

continued ...

sample 128955 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		**0.594**	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.25	mg/Kg	1	2.67	47	10 - 98.8
Phenol-d5		1.56	mg/Kg	1	2.67	58	10 - 105
Nitrobenzene-d5		1.26	mg/Kg	1	2.67	47	10 - 114
2-Fluorobiphenyl		1.51	mg/Kg	1	2.67	56	10 - 122

continued . . .

sample continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2,4,6-Tribromophenol		1.81	mg/Kg	1	2.67	68	10 - 117
Terphenyl-d14		1.95	mg/Kg	1	2.67	73	10 - 116

Sample: 128955 - 0209-CF-104-20.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38785	Date Analyzed:	2007-07-05	Analyzed By:	TG
Prep Batch:	33564	Sample Preparation:	2007-07-05	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		204	mg/Kg	1	150	136	62.5 - 164

Sample: 128955 - 0209-CF-104-20.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38726	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33520	Sample Preparation:	2007-07-02	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0

continued . . .

sample 128955 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Chloroform		<10.0	μg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	μg/Kg	1	10.0
1,1-Dichloropropene		<10.0	μg/Kg	1	10.0
Benzene		<10.0	μg/Kg	1	10.0
Carbon Tetrachloride		<10.0	μg/Kg	1	10.0
1,2-Dichloropropane		<10.0	μg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	μg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	μg/Kg	1	10.0
Bromodichloromethane		<10.0	μg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	μg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		413	μg/Kg	1	500	83	79.7 - 120
Toluene-d8		516	μg/Kg	1	500	103	86.8 - 107
4-Bromofluorobenzene (4-BFB)		550	μg/Kg	1	500	110	82.5 - 116

Sample: 128956 - 0209-CF-005-10.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38693	Date Analyzed:	2007-07-02	Analyzed By:	TG
Prep Batch:	33494	Sample Preparation:	2007-07-02	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		211	mg/Kg	1	150	141	62.5 - 164

Method Blank (1) QC Batch: 38693

QC Batch:	38693	Date Analyzed:	2007-07-02	Analyzed By:	TG
Prep Batch:	33494	QC Preparation:	2007-07-02	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		204	mg/Kg	1	150	136	62.5 - 164

Method Blank (1) QC Batch: 38704

QC Batch:	38704	Date Analyzed:	2007-07-02	Analyzed By:	DS
Prep Batch:	33504	QC Preparation:	2007-07-02	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.0665	mg/Kg	0.25
N-Nitrosodimethylamine		<0.0894	mg/Kg	0.25
2-Picoline		<0.0472	mg/Kg	0.25
Methyl methanesulfonate		<0.0754	mg/Kg	0.25
Ethyl methanesulfonate		<0.0943	mg/Kg	0.25
Phenol		<0.0778	mg/Kg	0.25
Aniline		<0.0720	mg/Kg	0.25
bis(2-chloroethyl)ether		<0.0700	mg/Kg	0.25
2-Chlorophenol		<0.0676	mg/Kg	0.25

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,3-Dichlorobenzene (meta)		<0.0631	mg/Kg	0.25
1,4-Dichlorobenzene (para)		<0.0618	mg/Kg	0.25
Benzyl alcohol		<0.107	mg/Kg	0.25
1,2-Dichlorobenzene (ortho)		<0.0658	mg/Kg	0.25
2-Methylphenol		<0.0849	mg/Kg	0.25
bis(2-chloroisopropyl)ether		<0.0812	mg/Kg	0.25
4-Methylphenol / 3-Methylphenol		<0.0918	mg/Kg	0.25
Acetophenone		<0.0709	mg/Kg	0.25
N-Nitrosodi-n-propylamine		<0.106	mg/Kg	0.25
Hexachloroethane		<0.0662	mg/Kg	0.25
Nitrobenzene		<0.0641	mg/Kg	0.25
N-Nitrosopiperidine		<0.0870	mg/Kg	0.25
Isophorone		<0.0794	mg/Kg	0.25
2-Nitrophenol		<0.0653	mg/Kg	0.25
2,4-Dimethylphenol		<0.0745	mg/Kg	0.25
bis(2-chloroethoxy)methane		<0.0774	mg/Kg	0.25
Benzoic acid		<0.0273	mg/Kg	0.25
2,4-Dichlorophenol		<0.0780	mg/Kg	0.25
1,2,4-Trichlorobenzene		<0.0583	mg/Kg	0.25
a,a-Dimethylphenethylamine		<0.0471	mg/Kg	0.25
Naphthalene		<0.0597	mg/Kg	0.25
4-Chloroaniline		<0.0789	mg/Kg	0.25
2,6-Dichlorophenol		<0.0728	mg/Kg	0.25
Hexachlorobutadiene		<0.0528	mg/Kg	0.25
N-Nitroso-di-n-butylamine		<0.0818	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.0610	mg/Kg	0.25
1-Methylnaphthalene		<0.0713	mg/Kg	0.25
2-Methylnaphthalene		<0.0720	mg/Kg	0.25
1,2,4,5-Tetrachlorobenzene		<0.0682	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.0491	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.0648	mg/Kg	0.25
2,4,5-Trichlorophenol		<0.0493	mg/Kg	0.25
2-Chloronaphthalene		<0.0690	mg/Kg	0.25
1-Chloronaphthalene		<0.0621	mg/Kg	0.25
2-Nitroaniline		<0.0500	mg/Kg	0.25
Dimethylphthalate		<0.0505	mg/Kg	0.25
Acenaphthylene		<0.0659	mg/Kg	0.25
2,6-Dinitrotoluene		<0.0488	mg/Kg	0.25
3-Nitroaniline		<0.0492	mg/Kg	0.25
Acenaphthene		<0.0611	mg/Kg	0.25
2,4-Dinitrophenol		<0.0245	mg/Kg	0.25
Dibenzofuran		<0.0639	mg/Kg	0.25
Pentachlorobenzene		<0.0562	mg/Kg	0.25
4-Nitrophenol		<0.0416	mg/Kg	0.25
1-Naphthylamine		<0.0487	mg/Kg	0.25
2,4-Dinitrotoluene		<0.0502	mg/Kg	0.25
2-Naphthylamine		<0.0428	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.0446	mg/Kg	0.25
Fluorene		<0.0520	mg/Kg	0.25
Diethylphthalate		<0.0484	mg/Kg	0.25

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
4-Chlorophenyl-phenylether		<0.0602	mg/Kg	0.25
4-Nitroaniline		<0.0278	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.0375	mg/Kg	0.25
Diphenylamine		<0.0628	mg/Kg	0.25
Diphenylhydrazine		<0.0519	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.0672	mg/Kg	0.25
Phenacetin		<0.0649	mg/Kg	0.25
Hexachlorobenzene		<0.0596	mg/Kg	0.25
4-Aminobiphenyl		<0.0631	mg/Kg	0.25
Pentachlorophenol		<0.0426	mg/Kg	0.25
Pentachloronitrobenzene		<0.0607	mg/Kg	0.25
Pronamide		<0.0702	mg/Kg	0.25
Phenanthrene		<0.0614	mg/Kg	0.25
Anthracene		<0.0648	mg/Kg	0.25
Di-n-butylphthalate		<0.0614	mg/Kg	0.25
Fluoranthene		<0.0636	mg/Kg	0.25
Benzidine		<0.0631	mg/Kg	0.25
Pyrene		<0.0583	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.0544	mg/Kg	0.25
Butylbenzylphthalate		<0.0531	mg/Kg	0.25
Benzo(a)anthracene		<0.0603	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.0570	mg/Kg	0.25
Chrysene		<0.0643	mg/Kg	0.25
bis(2-ethylhexyl)phthalate		<0.0622	mg/Kg	0.25
Di-n-octylphthalate		<0.0514	mg/Kg	0.25
Benzo(b)fluoranthene		<0.0585	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.0582	mg/Kg	0.25
Benzo(k)fluoranthene		<0.0536	mg/Kg	0.25
Benzo(a)pyrene		<0.0564	mg/Kg	0.25
3-Methylcholanthrene		<0.0571	mg/Kg	0.25
Dibenzo(a,j)acridine		<0.0618	mg/Kg	0.25
Indeno(1,2,3-cd)pyrene		<0.0576	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.0543	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.0631	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.86	mg/Kg	1	2.67	70	10 - 98.8
Phenol-d5		2.35	mg/Kg	1	2.67	88	10 - 105
Nitrobenzene-d5		2.00	mg/Kg	1	2.67	75	10 - 114
2-Fluorobiphenyl		2.39	mg/Kg	1	2.67	90	10 - 122
2,4,6-Tribromophenol		2.09	mg/Kg	1	2.67	78	10 - 117
Terphenyl-d14		2.31	mg/Kg	1	2.67	86	10 - 116

Method Blank (1) QC Batch: 38726

QC Batch:	38726	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33520	QC Preparation:	2007-07-02	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<2.06	µg/Kg	10
Dichlorodifluoromethane		<4.16	µg/Kg	10
Chloromethane (methyl chloride)		<2.49	µg/Kg	10
Vinyl Chloride		<2.80	µg/Kg	10
Bromomethane (methyl bromide)		<2.99	µg/Kg	50
Chloroethane		<3.26	µg/Kg	10
Trichlorofluoromethane		<2.49	µg/Kg	10
Acetone		<51.4	µg/Kg	100
Iodomethane (methyl iodide)		<2.41	µg/Kg	50
Carbon Disulfide		<2.12	µg/Kg	10
Acrylonitrile		<2.12	µg/Kg	10
2-Butanone (MEK)		<13.9	µg/Kg	50
4-Methyl-2-pentanone (MIBK)		<3.95	µg/Kg	50
2-Hexanone		<2.13	µg/Kg	50
trans 1,4-Dichloro-2-butene		<2.92	µg/Kg	100
1,1-Dichloroethene		<1.89	µg/Kg	10
Methylene chloride		9.39	µg/Kg	50
MTBE		<1.71	µg/Kg	10
trans-1,2-Dichloroethene		<2.67	µg/Kg	10
1,1-Dichloroethane		<1.76	µg/Kg	10
cis-1,2-Dichloroethene		<2.27	µg/Kg	10
2,2-Dichloropropane		<2.90	µg/Kg	10
1,2-Dichloroethane (EDC)		<1.90	µg/Kg	10
Chloroform		<2.21	µg/Kg	10
1,1,1-Trichloroethane		<2.06	µg/Kg	10
1,1-Dichloropropene		<2.44	µg/Kg	10
Benzene		<1.51	µg/Kg	10
Carbon Tetrachloride		<2.26	µg/Kg	10
1,2-Dichloropropane		<1.51	µg/Kg	10
Trichloroethene (TCE)		<1.93	µg/Kg	10
Dibromomethane (methylene bromide)		<1.78	µg/Kg	10
Bromodichloromethane		<1.81	µg/Kg	10
2-Chloroethyl vinyl ether		<1.51	µg/Kg	50
cis-1,3-Dichloropropene		<2.32	µg/Kg	10
trans-1,3-Dichloropropene		<2.00	µg/Kg	10
Toluene		2.62	µg/Kg	10
1,1,2-Trichloroethane		<1.41	µg/Kg	10
1,3-Dichloropropane		<2.28	µg/Kg	10
Dibromochloromethane		<1.65	µg/Kg	10
1,2-Dibromoethane (EDB)		<1.53	µg/Kg	10
Tetrachloroethene (PCE)		<1.27	µg/Kg	10
Chlorobenzene		<2.02	µg/Kg	10
1,1,1,2-Tetrachloroethane		<1.62	µg/Kg	10
Ethylbenzene		<1.96	µg/Kg	10
m,p-Xylene		<3.03	µg/Kg	10
Bromoform		<1.94	µg/Kg	10
Styrene		<1.99	µg/Kg	10
o-Xylene		<2.12	µg/Kg	10
1,1,2,2-Tetrachloroethane		<2.19	µg/Kg	10
2-Chlorotoluene		<3.12	µg/Kg	10
1,2,3-Trichloropropane		<2.84	µg/Kg	10

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Isopropylbenzene		<2.52	μg/Kg	10
Bromobenzene		<3.08	μg/Kg	10
n-Propylbenzene		<2.90	μg/Kg	10
1,3,5-Trimethylbenzene		<2.70	μg/Kg	10
tert-Butylbenzene		<3.32	μg/Kg	10
1,2,4-Trimethylbenzene		<3.19	μg/Kg	10
1,4-Dichlorobenzene (para)		<2.46	μg/Kg	10
sec-Butylbenzene		<2.75	μg/Kg	10
1,3-Dichlorobenzene (meta)		<2.44	μg/Kg	10
p-Isopropyltoluene		<2.73	μg/Kg	10
4-Chlorotoluene		<2.72	μg/Kg	10
1,2-Dichlorobenzene (ortho)		<2.22	μg/Kg	10
n-Butylbenzene		3.37	μg/Kg	10
1,2-Dibromo-3-chloropropane		<7.25	μg/Kg	50
1,2,3-Trichlorobenzene		<4.91	μg/Kg	50
1,2,4-Trichlorobenzene		<3.95	μg/Kg	50
Naphthalene		<5.99	μg/Kg	50
Hexachlorobutadiene		<2.86	μg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		432	μg/Kg	1	500	86	79.7 - 120
Toluene-d8		522	μg/Kg	1	500	104	86.8 - 107
4-Bromofluorobenzene (4-BFB)		539	μg/Kg	1	500	108	82.5 - 116

Method Blank (1) QC Batch: 38785

QC Batch: 38785 Date Analyzed: 2007-07-05 Analyzed By: TG
Prep Batch: 33564 QC Preparation: 2007-07-05 Prepared By: TG

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		194	mg/Kg	1	150	129	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 38693 Date Analyzed: 2007-07-02 Analyzed By: TG
Prep Batch: 33494 QC Preparation: 2007-07-02 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	268	mg/Kg	1	250	<10.7	107	64.1 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	272	mg/Kg	1	250	<10.7	109	64.1 - 124	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	200	199	mg/Kg	1	150	133	133	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 38704 Date Analyzed: 2007-07-02 Analyzed By: DS
Prep Batch: 33504 QC Preparation: 2007-07-02 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.48	mg/Kg	1	2.67	0	55	10 - 117
2-Chlorophenol	1.30	mg/Kg	1	2.67	0	49	10 - 117
1,4-Dichlorobenzene (para)	1.08	mg/Kg	1	2.67	0	40	10 - 116
N-Nitrosodi-n-propylamine	1.55	mg/Kg	1	2.67	0	58	10 - 121
1,2,4-Trichlorobenzene	1.17	mg/Kg	1	2.67	0	44	10 - 126
Naphthalene	1.28	mg/Kg	1	2.67	0	48	10 - 165
4-Chloro-3-methylphenol	1.32	mg/Kg	1	2.67	0	49	10 - 148
Acenaphthylene	1.63	mg/Kg	1	2.67	0	61	10 - 165
Acenaphthene	1.53	mg/Kg	1	2.67	0	57	10 - 154
Dibenzofuran	1.73	mg/Kg	1	2.67	0	65	10 - 165
4-Nitrophenol	1.99	mg/Kg	1	2.67	0	74	10 - 142
2,4-Dinitrotoluene	2.12	mg/Kg	1	2.67	0	79	10 - 170
Fluorene	1.85	mg/Kg	1	2.67	0	69	10 - 165
Pentachlorophenol	1.58	mg/Kg	1	2.67	0	59	10 - 145
Anthracene	2.01	mg/Kg	1	2.67	0	75	10 - 165
Phenanthrene	1.99	mg/Kg	1	2.67	0	74	10 - 165
Fluoranthene	2.19	mg/Kg	1	2.67	0	82	10 - 165
Pyrene	1.86	mg/Kg	1	2.67	0	70	10 - 227
Benzo(a)anthracene	1.94	mg/Kg	1	2.67	0	73	10 - 165
Chrysene	2.14	mg/Kg	1	2.67	0	80	10 - 165
Benzo(b)fluoranthene	1.95	mg/Kg	1	2.67	0	73	10 - 165
Benzo(k)fluoranthene	2.16	mg/Kg	1	2.67	0	81	10 - 165
Benzo(a)pyrene	2.19	mg/Kg	1	2.67	0	82	10 - 165
Indeno(1,2,3-cd)pyrene	2.26	mg/Kg	1	2.67	0	85	10 - 165
Dibenzo(a,h)anthracene	2.19	mg/Kg	1	2.67	0	82	10 - 165
Benzo(g,h,i)perylene	2.16	mg/Kg	1	2.67	0	81	10 - 165

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	1.47	mg/Kg	1	2.67	0	55	10 - 117	1	20
2-Chlorophenol	1.30	mg/Kg	1	2.67	0	49	10 - 117	0	20
1,4-Dichlorobenzene (para)	1.09	mg/Kg	1	2.67	0	41	10 - 116	1	20
N-Nitrosodi-n-propylamine	1.70	mg/Kg	1	2.67	0	64	10 - 121	9	20
1,2,4-Trichlorobenzene	1.18	mg/Kg	1	2.67	0	44	10 - 126	1	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Naphthalene	1.30	mg/Kg	1	2.67	0	49	10 - 165	2	20
4-Chloro-3-methylphenol	1.36	mg/Kg	1	2.67	0	51	10 - 148	3	20
Acenaphthylene	1.68	mg/Kg	1	2.67	0	63	10 - 165	3	20
Acenaphthene	1.57	mg/Kg	1	2.67	0	59	10 - 154	3	20
Dibenzofuran	1.79	mg/Kg	1	2.67	0	67	10 - 165	3	20
4-Nitrophenol	2.09	mg/Kg	1	2.67	0	78	10 - 142	5	20
2,4-Dinitrotoluene	2.18	mg/Kg	1	2.67	0	82	10 - 170	3	20
Fluorene	1.88	mg/Kg	1	2.67	0	70	10 - 165	2	20
Pentachlorophenol	1.60	mg/Kg	1	2.67	0	60	10 - 145	1	20
Anthracene	2.02	mg/Kg	1	2.67	0	76	10 - 165	0	20
Phenanthrene	2.00	mg/Kg	1	2.67	0	75	10 - 165	0	20
Fluoranthene	2.23	mg/Kg	1	2.67	0	84	10 - 165	2	20
Pyrene	1.90	mg/Kg	1	2.67	0	71	10 - 227	2	20
Benzo(a)anthracene	1.98	mg/Kg	1	2.67	0	74	10 - 165	2	20
Chrysene	2.18	mg/Kg	1	2.67	0	82	10 - 165	2	20
Benzo(b)fluoranthene	2.01	mg/Kg	1	2.67	0	75	10 - 165	3	20
Benzo(k)fluoranthene	2.16	mg/Kg	1	2.67	0	81	10 - 165	0	20
Benzo(a)pyrene	2.22	mg/Kg	1	2.67	0	83	10 - 165	1	20
Indeno(1,2,3-cd)pyrene	2.29	mg/Kg	1	2.67	0	86	10 - 165	1	20
Dibenzo(a,h)anthracene	2.21	mg/Kg	1	2.67	0	83	10 - 165	1	20
Benzo(g,h,i)perylene	2.20	mg/Kg	1	2.67	0	82	10 - 165	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	1.88	1.90	mg/Kg	1	2.67	70	71	10 - 103
Phenol-d5	2.43	2.44	mg/Kg	1	2.67	91	91	10 - 120
Nitrobenzene-d5	2.10	2.13	mg/Kg	1	2.67	79	80	10 - 125
2-Fluorobiphenyl	2.54	2.57	mg/Kg	1	2.67	95	96	10 - 123
2,4,6-Tribromophenol	3.77	3.85	mg/Kg	1	2.67	141	144	14.4 - 145
Terphenyl-d14	3.20	3.27	mg/Kg	1	2.67	120	122	16.3 - 168

Laboratory Control Spike (LCS-1)

QC Batch: 38726 Date Analyzed: 2007-07-02 Analyzed By: JG
Prep Batch: 33520 QC Preparation: 2007-07-02 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	482	µg/Kg	1	500	<0.825	96	85 - 114
Dichlorodifluoromethane	438	µg/Kg	1	500	<0.889	88	57.1 - 129
Chloromethane (methyl chloride)	464	µg/Kg	1	500	<0.929	93	66.7 - 111
Vinyl Chloride	458	µg/Kg	1	500	<0.463	92	66.6 - 116
Bromomethane (methyl bromide)	444	µg/Kg	1	500	<1.71	89	43.4 - 143
Chloroethane	438	µg/Kg	1	500	<3.68	88	44.9 - 135
Trichlorofluoromethane	447	µg/Kg	1	500	<0.306	89	57.6 - 131
Acetone	384	µg/Kg	1	500	<1.70	77	16.7 - 142
Iodomethane (methyl iodide)	486	µg/Kg	1	500	<0.640	97	81.1 - 116
Carbon Disulfide	473	µg/Kg	1	500	<0.346	95	79.7 - 112

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Acrylonitrile	526	µg/Kg	1	500	<1.51	105	74.9 - 124
2-Butanone (MEK)	484	µg/Kg	1	500	<3.78	97	50.9 - 124
4-Methyl-2-pentanone (MIBK)	498	µg/Kg	1	500	<7.86	100	71.2 - 134
2-Hexanone	530	µg/Kg	1	500	<5.70	106	43.1 - 135
trans 1,4-Dichloro-2-butene	506	µg/Kg	1	500	<1.33	101	46 - 134
1,1-Dichloroethene	472	µg/Kg	1	500	<0.639	94	76 - 118
Methylene chloride	428	µg/Kg	1	500	<1.19	86	64.4 - 110
MTBE	506	µg/Kg	1	500	<0.362	101	84.8 - 120
trans-1,2-Dichloroethene	483	µg/Kg	1	500	<0.419	97	82 - 112
1,1-Dichloroethane	475	µg/Kg	1	500	<0.257	95	81.4 - 113
cis-1,2-Dichloroethene	492	µg/Kg	1	500	<0.627	98	84.9 - 113
2,2-Dichloropropane	478	µg/Kg	1	500	<0.593	96	35.1 - 136
1,2-Dichloroethane (EDC)	457	µg/Kg	1	500	<0.524	91	35.1 - 136
Chloroform	465	µg/Kg	1	500	<0.440	93	81 - 115
1,1,1-Trichloroethane	467	µg/Kg	1	500	<0.750	93	80.2 - 113
1,1-Dichloropropene	500	µg/Kg	1	500	<0.622	100	75.4 - 113
Benzene	501	µg/Kg	1	500	<0.644	100	84.6 - 114
Carbon Tetrachloride	493	µg/Kg	1	500	<0.485	99	86.6 - 113
1,2-Dichloropropane	497	µg/Kg	1	500	<0.547	99	67 - 127
Trichloroethene (TCE)	495	µg/Kg	1	500	<0.836	99	84.9 - 115
Dibromomethane (methylene bromide)	506	µg/Kg	1	500	<0.435	101	92.6 - 114
Bromodichloromethane	506	µg/Kg	1	500	<0.457	101	87.7 - 114
2-Chloroethyl vinyl ether	485	µg/Kg	1	500	<0.547	97	81.1 - 121
cis-1,3-Dichloropropene	524	µg/Kg	1	500	<0.596	105	84.9 - 115
trans-1,3-Dichloropropene	529	µg/Kg	1	500	<0.561	106	85.8 - 118
Toluene	495	µg/Kg	1	500	<1.12	99	80.7 - 109
1,1,2-Trichloroethane	539	µg/Kg	1	500	<3.25	108	89 - 115
1,3-Dichloropropane	541	µg/Kg	1	500	<0.505	108	90.3 - 115
Dibromochloromethane	561	µg/Kg	1	500	<0.552	112	82.6 - 129
1,2-Dibromoethane (EDB)	552	µg/Kg	1	500	<0.688	110	93.3 - 117
Tetrachloroethene (PCE)	538	µg/Kg	1	500	<0.826	108	50.2 - 143
Chlorobenzene	521	µg/Kg	1	500	<0.426	104	86.1 - 111
1,1,1,2-Tetrachloroethane	529	µg/Kg	1	500	<0.289	106	81.4 - 122
Ethylbenzene [2]	534	µg/Kg	1	500	<0.376	107	84.4 - 106
m,p-Xylene	1070	µg/Kg	1	1000	<0.714	107	84 - 108
Bromoform	596	µg/Kg	1	500	<0.426	119	77 - 139
Styrene	568	µg/Kg	1	500	<0.796	114	87.6 - 122
o-Xylene	546	µg/Kg	1	500	<0.679	109	86.6 - 111
1,1,2,2-Tetrachloroethane	560	µg/Kg	1	500	<0.703	112	76.4 - 124
2-Chlorotoluene	542	µg/Kg	1	500	<1.26	108	81.7 - 115
1,2,3-Trichloropropane	572	µg/Kg	1	500	<0.504	114	75.7 - 134
Isopropylbenzene	565	µg/Kg	1	500	<1.30	113	81 - 118
Bromobenzene	555	µg/Kg	1	500	<0.480	111	82.7 - 121
n-Propylbenzene	548	µg/Kg	1	500	<0.421	110	73.4 - 115
1,3,5-Trimethylbenzene	552	µg/Kg	1	500	<2.10	110	76 - 113
tert-Butylbenzene	554	µg/Kg	1	500	<0.410	111	70 - 116
1,2,4-Trimethylbenzene	557	µg/Kg	1	500	<0.535	111	78.6 - 115
1,4-Dichlorobenzene (para)	535	µg/Kg	1	500	<0.387	107	78.6 - 109
sec-Butylbenzene	538	µg/Kg	1	500	<0.632	108	64 - 114

continued ...

[2]Spike recovery out of control limits. Majority of remaining analyte recoveries within limits showing analysis to be in control. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,3-Dichlorobenzene (meta)	546	µg/Kg	1	500	<0.534	109	86.8 - 109
p-Isopropyltoluene	560	µg/Kg	1	500	<0.679	112	64.8 - 115
4-Chlorotoluene	550	µg/Kg	1	500	<0.675	110	83.3 - 117
1,2-Dichlorobenzene (ortho) [3]	561	µg/Kg	1	500	<0.475	112	88.4 - 110
n-Butylbenzene	560	µg/Kg	1	500	<0.979	112	61.5 - 112
1,2-Dibromo-3-chloropropane	615	µg/Kg	1	500	<0.883	123	47.4 - 147
1,2,3-Trichlorobenzene	714	µg/Kg	1	500	<3.64	143	19.4 - 159
1,2,4-Trichlorobenzene	633	µg/Kg	1	500	<2.28	127	37.6 - 135
Naphthalene	747	µg/Kg	1	500	<4.41	149	20.8 - 179
Hexachlorobutadiene	543	µg/Kg	1	500	<3.24	109	54.5 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	475	µg/Kg	1	500	<0.825	95	85 - 114	2	20
Dichlorodifluoromethane	441	µg/Kg	1	500	<0.889	88	57.1 - 129	1	20
Chloromethane (methyl chloride)	451	µg/Kg	1	500	<0.929	90	66.7 - 111	3	20
Vinyl Chloride	440	µg/Kg	1	500	<0.463	88	66.6 - 116	4	20
Bromomethane (methyl bromide)	430	µg/Kg	1	500	<1.71	86	43.4 - 143	3	20
Chloroethane	425	µg/Kg	1	500	<3.68	85	44.9 - 135	3	20
Trichlorofluoromethane	440	µg/Kg	1	500	<0.306	88	57.6 - 131	2	20
Acetone	384	µg/Kg	1	500	<1.70	77	16.7 - 142	0	20
Iodomethane (methyl iodide)	482	µg/Kg	1	500	<0.640	96	81.1 - 116	1	20
Carbon Disulfide	462	µg/Kg	1	500	<0.346	92	79.7 - 112	2	20
Acrylonitrile	529	µg/Kg	1	500	<1.51	106	74.9 - 124	1	20
2-Butanone (MEK)	516	µg/Kg	1	500	<3.78	103	50.9 - 124	6	20
4-Methyl-2-pentanone (MIBK)	521	µg/Kg	1	500	<7.86	104	71.2 - 134	4	20
2-Hexanone	528	µg/Kg	1	500	<5.70	106	43.1 - 135	0	20
trans 1,4-Dichloro-2-butene	508	µg/Kg	1	500	<1.33	102	46 - 134	0	20
1,1-Dichloroethene	472	µg/Kg	1	500	<0.639	94	76 - 118	0	20
Methylene chloride	423	µg/Kg	1	500	<1.19	85	64.4 - 110	1	20
MTBE	506	µg/Kg	1	500	<0.362	101	84.8 - 120	0	20
trans-1,2-Dichloroethene	480	µg/Kg	1	500	<0.419	96	82 - 112	1	20
1,1-Dichloroethane	472	µg/Kg	1	500	<0.257	94	81.4 - 113	1	20
cis-1,2-Dichloroethene	492	µg/Kg	1	500	<0.627	98	84.9 - 113	0	20
2,2-Dichloropropane	469	µg/Kg	1	500	<0.593	94	35.1 - 136	2	20
1,2-Dichloroethane (EDC)	455	µg/Kg	1	500	<0.524	91	35.1 - 136	0	20
Chloroform	459	µg/Kg	1	500	<0.440	92	81 - 115	1	20
1,1,1-Trichloroethane	464	µg/Kg	1	500	<0.750	93	80.2 - 113	1	20
1,1-Dichloropropene	490	µg/Kg	1	500	<0.622	98	75.4 - 113	2	20
Benzene	497	µg/Kg	1	500	<0.644	99	84.6 - 114	1	20
Carbon Tetrachloride	493	µg/Kg	1	500	<0.485	99	86.6 - 113	0	20
1,2-Dichloropropane	494	µg/Kg	1	500	<0.547	99	67 - 127	1	20
Trichloroethene (TCE)	494	µg/Kg	1	500	<0.836	99	84.9 - 115	0	20
Dibromomethane (methylene bromide)	499	µg/Kg	1	500	<0.435	100	92.6 - 114	1	20
Bromodichloromethane	504	µg/Kg	1	500	<0.457	101	87.7 - 114	0	20
2-Chloroethyl vinyl ether	482	µg/Kg	1	500	<0.547	96	81.1 - 121	1	20
cis-1,3-Dichloropropene	516	µg/Kg	1	500	<0.596	103	84.9 - 115	2	20
trans-1,3-Dichloropropene	518	µg/Kg	1	500	<0.561	104	85.8 - 118	2	20

continued ...

[3] Spike recovery out of control limits. Majority of remaining analyte recoveries within limits showing analysis to be in control. •

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Toluene	490	µg/Kg	1	500	<1.12	98	80.7 - 109	1	20
1,1,2-Trichloroethane	537	µg/Kg	1	500	<3.25	107	89 - 115	0	20
1,3-Dichloropropane	536	µg/Kg	1	500	<0.505	107	90.3 - 115	1	20
Dibromochloromethane	562	µg/Kg	1	500	<0.552	112	82.6 - 129	0	20
1,2-Dibromoethane (EDB)	557	µg/Kg	1	500	<0.688	111	93.3 - 117	1	20
Tetrachloroethene (PCE)	538	µg/Kg	1	500	<0.826	108	50.2 - 143	0	20
Chlorobenzene	518	µg/Kg	1	500	<0.426	104	86.1 - 111	1	20
1,1,1,2-Tetrachloroethane	526	µg/Kg	1	500	<0.289	105	81.4 - 122	1	20
Ethylbenzene	531	µg/Kg	1	500	<0.376	106	84.4 - 106	1	20
m,p-Xylene	1060	µg/Kg	1	1000	<0.714	106	84 - 108	1	20
Bromoform	595	µg/Kg	1	500	<0.426	119	77 - 139	0	20
Styrene	563	µg/Kg	1	500	<0.796	113	87.6 - 122	1	20
o-Xylene	539	µg/Kg	1	500	<0.679	108	86.6 - 111	1	20
1,1,2,2-Tetrachloroethane	564	µg/Kg	1	500	<0.703	113	76.4 - 124	1	20
2-Chlorotoluene	536	µg/Kg	1	500	<1.26	107	81.7 - 115	1	20
1,2,3-Trichloropropane	575	µg/Kg	1	500	<0.504	115	75.7 - 134	0	20
Isopropylbenzene	560	µg/Kg	1	500	<1.30	112	81 - 118	1	20
Bromobenzene	552	µg/Kg	1	500	<0.480	110	82.7 - 121	0	20
n-Propylbenzene	545	µg/Kg	1	500	<0.421	109	73.4 - 115	0	20
1,3,5-Trimethylbenzene	545	µg/Kg	1	500	<2.10	109	76 - 113	1	20
tert-Butylbenzene	550	µg/Kg	1	500	<0.410	110	70 - 116	1	20
1,2,4-Trimethylbenzene	551	µg/Kg	1	500	<0.535	110	78.6 - 115	1	20
1,4-Dichlorobenzene (para)	529	µg/Kg	1	500	<0.387	106	78.6 - 109	1	20
sec-Butylbenzene	536	µg/Kg	1	500	<0.632	107	64 - 114	0	20
1,3-Dichlorobenzene (meta)	541	µg/Kg	1	500	<0.534	108	86.8 - 109	1	20
p-Isopropyltoluene	551	µg/Kg	1	500	<0.679	110	64.8 - 115	2	20
4-Chlorotoluene	542	µg/Kg	1	500	<0.675	108	83.3 - 117	2	20
1,2-Dichlorobenzene (ortho) [4]	555	µg/Kg	1	500	<0.475	111	88.4 - 110	1	20
n-Butylbenzene	553	µg/Kg	1	500	<0.979	111	61.5 - 112	1	20
1,2-Dibromo-3-chloropropane	605	µg/Kg	1	500	<0.883	121	47.4 - 147	2	20
1,2,3-Trichlorobenzene	738	µg/Kg	1	500	<3.64	148	19.4 - 159	3	20
1,2,4-Trichlorobenzene	641	µg/Kg	1	500	<2.28	128	37.6 - 135	1	20
Naphthalene	754	µg/Kg	1	500	<4.41	151	20.8 - 179	1	20
Hexachlorobutadiene	541	µg/Kg	1	500	<3.24	108	54.5 - 128	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	478	471	µg/Kg	1	500	96	94	79.7 - 120
Toluene-d8	524	521	µg/Kg	1	500	105	104	86.8 - 107
4-Bromofluorobenzene (4-BFB)	554	548	µg/Kg	1	500	111	110	82.5 - 116

Laboratory Control Spike (LCS-1)

QC Batch: 38785 Date Analyzed: 2007-07-05 Analyzed By: TG
Prep Batch: 33564 QC Preparation: 2007-07-05 Prepared By: TG

[4] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	250	mg/Kg	1	250	<10.7	100	64.1 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	275	mg/Kg	1	250	<10.7	110	64.1 - 124	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	212	197	mg/Kg	1	150	141	131	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 128952

QC Batch: 38693 Date Analyzed: 2007-07-02 Analyzed By: TG
Prep Batch: 33494 QC Preparation: 2007-07-02 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	304	mg/Kg	1	250	<10.7	122	47.5 - 127

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	303	mg/Kg	1	250	<10.7	121	47.5 - 127	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	213	215	mg/Kg	1	150	142	143	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 128954

QC Batch: 38704 Date Analyzed: 2007-07-02 Analyzed By: DS
Prep Batch: 33504 QC Preparation: 2007-07-02 Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.67	mg/Kg	1	2.67	0	62	10 - 117
2-Chlorophenol	1.49	mg/Kg	1	2.67	0	56	10 - 117
1,4-Dichlorobenzene (para)	1.20	mg/Kg	1	2.67	0	45	10 - 116
N-Nitrosodi-n-propylamine	2.04	mg/Kg	1	2.67	0	76	10 - 121
1,2,4-Trichlorobenzene	1.36	mg/Kg	1	2.67	0	51	10 - 126
Naphthalene	1.48	mg/Kg	1	2.67	0	55	10 - 165
4-Chloro-3-methylphenol	1.45	mg/Kg	1	2.67	0	54	10 - 148
Acenaphthylene	1.86	mg/Kg	1	2.67	0	70	10 - 165
Acenaphthene	1.74	mg/Kg	1	2.67	0	65	10 - 154
Dibenzofuran	1.89	mg/Kg	1	2.67	0	71	10 - 165

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
4-Nitrophenol	1.84	mg/Kg	1	2.67	0	69	10 - 142
2,4-Dinitrotoluene	1.93	mg/Kg	1	2.67	0	72	10 - 170
Fluorene	1.90	mg/Kg	1	2.67	0	71	10 - 165
Pentachlorophenol	1.51	mg/Kg	1	2.67	0	56	10 - 145
Anthracene	1.91	mg/Kg	1	2.67	0	72	10 - 165
Phenanthrene	1.90	mg/Kg	1	2.67	0	71	10 - 165
Fluoranthene	2.10	mg/Kg	1	2.67	0	79	10 - 165
Pyrene	1.78	mg/Kg	1	2.67	0	67	10 - 227
Benzo(a)anthracene	1.83	mg/Kg	1	2.67	0	68	10 - 165
Chrysene	2.04	mg/Kg	1	2.67	0	76	10 - 165
Benzo(b)fluoranthene	1.82	mg/Kg	1	2.67	0	68	10 - 165
Benzo(k)fluoranthene	2.03	mg/Kg	1	2.67	0	76	10 - 165
Benzo(a)pyrene	2.07	mg/Kg	1	2.67	0	78	10 - 165
Indeno(1,2,3-cd)pyrene	2.12	mg/Kg	1	2.67	0	79	10 - 165
Dibenzo(a,h)anthracene	2.07	mg/Kg	1	2.67	0	78	10 - 165
Benzo(g,h,i)perylene	2.05	mg/Kg	1	2.67	0	77	10 - 165

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	1.54	mg/Kg	1	2.67	0	58	10 - 117	8	20
2-Chlorophenol	1.38	mg/Kg	1	2.67	0	52	10 - 117	8	20
1,4-Dichlorobenzene (para)	1.18	mg/Kg	1	2.67	0	44	10 - 116	2	20
N-Nitrosodi-n-propylamine	1.90	mg/Kg	1	2.67	0	71	10 - 121	7	20
1,2,4-Trichlorobenzene	1.31	mg/Kg	1	2.67	0	49	10 - 126	4	20
Naphthalene	1.45	mg/Kg	1	2.67	0	54	10 - 165	2	20
4-Chloro-3-methylphenol	1.42	mg/Kg	1	2.67	0	53	10 - 148	2	20
Acenaphthylene	1.80	mg/Kg	1	2.67	0	67	10 - 165	3	20
Acenaphthene	1.67	mg/Kg	1	2.67	0	62	10 - 154	4	20
Dibenzofuran	1.83	mg/Kg	1	2.67	0	68	10 - 165	3	20
4-Nitrophenol	1.84	mg/Kg	1	2.67	0	69	10 - 142	0	20
2,4-Dinitrotoluene	1.91	mg/Kg	1	2.67	0	72	10 - 170	1	20
Fluorene	1.87	mg/Kg	1	2.67	0	70	10 - 165	2	20
Pentachlorophenol	1.46	mg/Kg	1	2.67	0	55	10 - 145	3	20
Anthracene	1.83	mg/Kg	1	2.67	0	68	10 - 165	4	20
Phenanthrene	1.83	mg/Kg	1	2.67	0	68	10 - 165	4	20
Fluoranthene	2.02	mg/Kg	1	2.67	0	76	10 - 165	4	20
Pyrene	1.71	mg/Kg	1	2.67	0	64	10 - 227	4	20
Benzo(a)anthracene	1.76	mg/Kg	1	2.67	0	66	10 - 165	4	20
Chrysene	1.98	mg/Kg	1	2.67	0	74	10 - 165	3	20
Benzo(b)fluoranthene	1.81	mg/Kg	1	2.67	0	68	10 - 165	1	20
Benzo(k)fluoranthene	1.93	mg/Kg	1	2.67	0	72	10 - 165	5	20
Benzo(a)pyrene	2.01	mg/Kg	1	2.67	0	75	10 - 165	3	20
Indeno(1,2,3-cd)pyrene	2.06	mg/Kg	1	2.67	0	77	10 - 165	3	20
Dibenzo(a,h)anthracene	1.99	mg/Kg	1	2.67	0	74	10 - 165	4	20
Benzo(g,h,i)perylene	1.97	mg/Kg	1	2.67	0	74	10 - 165	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued . . .

matrix spikes continued . . .

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	1.36	1.30	mg/Kg	1	2.67	51	49	10 - 103
Phenol-d5	1.80	1.67	mg/Kg	1	2.67	67	62	10 - 120
Nitrobenzene-d5	1.58	1.52	mg/Kg	1	2.67	59	57	10 - 125
2-Fluorobiphenyl	1.97	1.87	mg/Kg	1	2.67	74	70	10 - 123
2,4,6-Tribromophenol	2.24	2.21	mg/Kg	1	2.67	84	83	14.4 - 145
Terphenyl-d14	1.95	1.87	mg/Kg	1	2.67	73	70	16.3 - 168

Matrix Spike (MS-1) Spiked Sample: 128704

QC Batch:	38726	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33520	QC Preparation:	2007-07-02	Prepared By:	JG

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		406	µg/Kg	1	500	<0.825	81	70.6 - 131
Dichlorodifluoromethane	[5]	261	µg/Kg	1	500	<0.889	52	52.9 - 135
Chloromethane (methyl chloride)	[6]	282	µg/Kg	1	500	<0.929	56	60.7 - 119
Vinyl Chloride	[7]	298	µg/Kg	1	500	<0.463	60	66 - 119
Bromomethane (methyl bromide)	[8]	73.3	µg/Kg	1	500	<1.71	15	15.5 - 148
Chloroethane	[9]	43.0	µg/Kg	1	500	<3.68	9	42.5 - 123
Trichlorofluoromethane	[10]	41.9	µg/Kg	1	500	<0.306	8	50.7 - 144
Acetone		311	µg/Kg	1	500	<1.70	62	10 - 161
Iodomethane (methyl iodide)		412	µg/Kg	1	500	<0.640	82	75.9 - 111
Carbon Disulfide		332	µg/Kg	1	500	<0.346	66	64 - 121
Acrylonitrile	[11]	385	µg/Kg	1	500	<1.51	77	77.7 - 116
2-Butanone (MEK)		378	µg/Kg	1	500	<3.78	76	28.3 - 136
4-Methyl-2-pentanone (MIBK)	[12]	371	µg/Kg	1	500	<7.86	74	78.8 - 115
2-Hexanone		297	µg/Kg	1	500	<5.70	59	34.9 - 129
trans 1,4-Dichloro-2-butene		285	µg/Kg	1	500	<1.33	57	43.6 - 112
1,1-Dichloroethene		384	µg/Kg	1	500	<0.639	77	76.1 - 115
Methylene chloride		368	µg/Kg	1	500	<1.19	74	59.4 - 113
MTBE		380	µg/Kg	1	500	<0.362	76	60 - 129
trans-1,2-Dichloroethene		403	µg/Kg	1	500	<0.419	81	78.2 - 110
1,1-Dichloroethane	[13]	375	µg/Kg	1	500	<0.257	75	79.7 - 111
cis-1,2-Dichloroethene		410	µg/Kg	1	500	<0.627	82	78.6 - 111
2,2-Dichloropropane		273	µg/Kg	1	500	<0.593	55	10 - 120
1,2-Dichloroethane (EDC)	[14]	329	µg/Kg	1	500	<0.524	66	75.7 - 123

continued . . .

[5] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[6] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[7] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[8] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[9] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[10] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[11] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[12] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[13] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[14] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloroform	[15]	366	µg/Kg	1	500	<0.440	73	78.4 - 116
1,1,1-Trichloroethane		356	µg/Kg	1	500	<0.750	71	68.9 - 119
1,1-Dichloropropene		422	µg/Kg	1	500	<0.622	84	80.3 - 120
Benzene		434	µg/Kg	1	500	<0.644	87	82.1 - 110
Carbon Tetrachloride		391	µg/Kg	1	500	<0.485	78	60.8 - 138
1,2-Dichloropropane		421	µg/Kg	1	500	<0.547	84	84.2 - 111
Trichloroethene (TCE)		457	µg/Kg	1	500	<0.836	91	75.5 - 129
Dibromomethane (methylene bromide)		416	µg/Kg	1	500	<0.435	83	81.8 - 117
Bromodichloromethane		407	µg/Kg	1	500	<0.457	81	70 - 130
2-Chloroethyl vinyl ether	[16]	411	µg/Kg	1	500	<0.547	82	84.2 - 111
cis-1,3-Dichloropropene		420	µg/Kg	1	500	<0.596	84	75.3 - 114
trans-1,3-Dichloropropene		399	µg/Kg	1	500	<0.561	80	75.7 - 117
Toluene		430	µg/Kg	1	500	<1.12	86	82.3 - 108
1,1,2-Trichloroethane		452	µg/Kg	1	500	<3.25	90	83.4 - 113
1,3-Dichloropropane		457	µg/Kg	1	500	<0.505	91	88.2 - 115
Dibromochloromethane		451	µg/Kg	1	500	<0.552	90	78.2 - 127
1,2-Dibromoethane (EDB)		476	µg/Kg	1	500	<0.688	95	88.9 - 115
Tetrachloroethene (PCE)		590	µg/Kg	1	500	<0.826	118	35.1 - 201
Chlorobenzene		492	µg/Kg	1	500	<0.426	98	84.1 - 111
1,1,1,2-Tetrachloroethane		465	µg/Kg	1	500	<0.289	93	77.2 - 129
Ethylbenzene		469	µg/Kg	1	500	<0.376	94	81.2 - 113
m,p-Xylene		935	µg/Kg	1	1000	<0.714	94	79 - 118
Bromoform		439	µg/Kg	1	500	<0.426	88	70.1 - 136
Styrene		516	µg/Kg	1	500	<0.796	103	86.8 - 112
o-Xylene		470	µg/Kg	1	500	<0.679	94	78.7 - 120
1,1,2,2-Tetrachloroethane		407	µg/Kg	1	500	<0.703	81	55.8 - 131
2-Chlorotoluene		494	µg/Kg	1	500	<1.26	99	72.4 - 128
1,2,3-Trichloropropane		437	µg/Kg	1	500	<0.504	87	80.5 - 119
Isopropylbenzene		519	µg/Kg	1	500	<1.30	104	73.5 - 130
Bromobenzene		485	µg/Kg	1	500	<0.480	97	75.5 - 129
n-Propylbenzene		494	µg/Kg	1	500	<0.421	99	70.5 - 123
1,3,5-Trimethylbenzene		521	µg/Kg	1	500	<2.10	104	59.2 - 141
tert-Butylbenzene		539	µg/Kg	1	500	<0.410	108	55.6 - 142
1,2,4-Trimethylbenzene		527	µg/Kg	1	500	<0.535	105	50 - 150
1,4-Dichlorobenzene (para)		518	µg/Kg	1	500	<0.387	104	63.6 - 127
sec-Butylbenzene		538	µg/Kg	1	500	<0.632	108	52.8 - 134
1,3-Dichlorobenzene (meta)		536	µg/Kg	1	500	<0.534	107	75.6 - 125
p-Isopropyltoluene		562	µg/Kg	1	500	<0.679	112	46.1 - 145
4-Chlorotoluene		515	µg/Kg	1	500	<0.675	103	78.4 - 126
1,2-Dichlorobenzene (ortho)		524	µg/Kg	1	500	<0.475	105	76.3 - 127
n-Butylbenzene		559	µg/Kg	1	500	<0.979	112	45.3 - 135
1,2-Dibromo-3-chloropropane		329	µg/Kg	1	500	<0.883	66	60.8 - 136
1,2,3-Trichlorobenzene		294	µg/Kg	1	500	<3.64	59	20.8 - 136
1,2,4-Trichlorobenzene		504	µg/Kg	1	500	<2.28	101	15 - 172
Naphthalene		335	µg/Kg	1	500	<4.41	67	10 - 219
Hexachlorobutadiene	[17]	699	µg/Kg	1	500	<3.24	140	55.4 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[15] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[16] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[17] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		473	µg/Kg	1	500	<0.825	95	70.6 - 131	15	20
Dichlorodifluoromethane		320	µg/Kg	1	500	<0.889	64	52.9 - 135	20	20
Chloromethane (methyl chloride)		330	µg/Kg	1	500	<0.929	66	60.7 - 119	16	20
Vinyl Chloride		355	µg/Kg	1	500	<0.463	71	66 - 119	17	20
Bromomethane (methyl bromide)		80.6	µg/Kg	1	500	<1.71	16	15.5 - 148	10	20
Chloroethane	[18]	47.8	µg/Kg	1	500	<3.68	10	42.5 - 123	11	20
Trichlorofluoromethane	[19]	49.5	µg/Kg	1	500	<0.306	10	50.7 - 144	17	20
Acetone		346	µg/Kg	1	500	<1.70	69	10 - 161	11	20
Iodomethane (methyl iodide)		498	µg/Kg	1	500	<0.640	100	75.9 - 111	19	20
Carbon Disulfide		413	µg/Kg	1	500	<0.346	83	64 - 121	22	20
Acrylonitrile		438	µg/Kg	1	500	<1.51	88	77.7 - 116	13	20
2-Butanone (MEK)		413	µg/Kg	1	500	<3.78	83	28.3 - 136	9	20
4-Methyl-2-pentanone (MIBK)		416	µg/Kg	1	500	<7.86	83	78.8 - 115	11	20
2-Hexanone		334	µg/Kg	1	500	<5.70	67	34.9 - 129	12	20
trans 1,4-Dichloro-2-butene		324	µg/Kg	1	500	<1.33	65	43.6 - 112	13	20
1,1-Dichloroethene		472	µg/Kg	1	500	<0.639	94	76.1 - 115	21	20
Methylene chloride		424	µg/Kg	1	500	<1.19	85	59.4 - 113	14	20
MTBE		434	µg/Kg	1	500	<0.362	87	60 - 129	13	20
trans-1,2-Dichloroethene		479	µg/Kg	1	500	<0.419	96	78.2 - 110	17	20
1,1-Dichloroethane		444	µg/Kg	1	500	<0.257	89	79.7 - 111	17	20
cis-1,2-Dichloroethene		484	µg/Kg	1	500	<0.627	97	78.6 - 111	17	20
2,2-Dichloropropane		330	µg/Kg	1	500	<0.593	66	10 - 120	19	20
1,2-Dichloroethane (EDC)		378	µg/Kg	1	500	<0.524	76	75.7 - 123	14	20
Chloroform		427	µg/Kg	1	500	<0.440	85	78.4 - 116	15	20
1,1,1-Trichloroethane		429	µg/Kg	1	500	<0.750	86	68.9 - 119	19	20
1,1-Dichloropropene		498	µg/Kg	1	500	<0.622	100	80.3 - 120	16	20
Benzene		509	µg/Kg	1	500	<0.644	102	82.1 - 110	16	20
Carbon Tetrachloride		473	µg/Kg	1	500	<0.485	95	60.8 - 138	19	20
1,2-Dichloropropane		496	µg/Kg	1	500	<0.547	99	84.2 - 111	16	20
Trichloroethene (TCE)		546	µg/Kg	1	500	<0.836	109	75.5 - 129	18	20
Dibromomethane (methylene bromide)		478	µg/Kg	1	500	<0.435	96	81.8 - 117	14	20
Bromodichloromethane		477	µg/Kg	1	500	<0.457	95	70 - 130	16	20
2-Chloroethyl vinyl ether		484	µg/Kg	1	500	<0.547	97	84.2 - 111	16	20
cis-1,3-Dichloropropene		491	µg/Kg	1	500	<0.596	98	75.3 - 114	16	20
trans-1,3-Dichloropropene		459	µg/Kg	1	500	<0.561	92	75.7 - 117	14	20
Toluene		499	µg/Kg	1	500	<1.12	100	82.3 - 108	15	20
1,1,2-Trichloroethane		518	µg/Kg	1	500	<3.25	104	83.4 - 113	14	20
1,3-Dichloropropane		522	µg/Kg	1	500	<0.505	104	88.2 - 115	13	20
Dibromochloromethane		526	µg/Kg	1	500	<0.552	105	78.2 - 127	15	20
1,2-Dibromoethane (EDB)		549	µg/Kg	1	500	<0.688	110	88.9 - 115	14	20
Tetrachloroethene (PCE)		726	µg/Kg	1	500	<0.826	145	35.1 - 201	21	20
Chlorobenzene	[20]	574	µg/Kg	1	500	<0.426	115	84.1 - 111	15	20
1,1,1,2-Tetrachloroethane		546	µg/Kg	1	500	<0.289	109	77.2 - 129	16	20
Ethylbenzene		546	µg/Kg	1	500	<0.376	109	81.2 - 113	15	20
m,p-Xylene		1080	µg/Kg	1	1000	<0.714	108	79 - 118	14	20
Bromoform		513	µg/Kg	1	500	<0.426	103	70.1 - 136	16	20
Styrene	[21]	602	µg/Kg	1	500	<0.796	120	86.8 - 112	15	20

continued ...

[18] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[19] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[20] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[21] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
o-Xylene	551	µg/Kg	1	500	<0.679	110	78.7 - 120	16	20
1,1,2,2-Tetrachloroethane	464	µg/Kg	1	500	<0.703	93	55.8 - 131	13	20
2-Chlorotoluene	584	µg/Kg	1	500	<1.26	117	72.4 - 128	17	20
1,2,3-Trichloropropane	502	µg/Kg	1	500	<0.504	100	80.5 - 119	14	20
Isopropylbenzene	626	µg/Kg	1	500	<1.30	125	73.5 - 130	19	20
Bromobenzene	567	µg/Kg	1	500	<0.480	113	75.5 - 129	16	20
n-Propylbenzene	589	µg/Kg	1	500	<0.421	118	70.5 - 123	18	20
1,3,5-Trimethylbenzene	619	µg/Kg	1	500	<2.10	124	59.2 - 141	17	20
tert-Butylbenzene	639	µg/Kg	1	500	<0.410	128	55.6 - 142	17	20
1,2,4-Trimethylbenzene	628	µg/Kg	1	500	<0.535	126	50 - 150	18	20
1,4-Dichlorobenzene (para)	605	µg/Kg	1	500	<0.387	121	63.6 - 127	16	20
sec-Butylbenzene	645	µg/Kg	1	500	<0.632	129	52.8 - 134	18	20
1,3-Dichlorobenzene (meta)	627	µg/Kg	1	500	<0.534	125	75.6 - 125	16	20
p-Isopropyltoluene	668	µg/Kg	1	500	<0.679	134	46.1 - 145	17	20
4-Chlorotoluene	606	µg/Kg	1	500	<0.675	121	78.4 - 126	16	20
1,2-Dichlorobenzene (ortho)	606	µg/Kg	1	500	<0.475	121	76.3 - 127	14	20
n-Butylbenzene	661	µg/Kg	1	500	<0.979	132	45.3 - 135	17	20
1,2-Dibromo-3-chloropropane	350	µg/Kg	1	500	<0.883	70	60.8 - 136	6	20
1,2,3-Trichlorobenzene	360	µg/Kg	1	500	<3.64	72	20.8 - 136	20	20
1,2,4-Trichlorobenzene	581	µg/Kg	1	500	<2.28	116	15 - 172	14	20
Naphthalene	363	µg/Kg	1	500	<4.41	73	10 - 219	8	20
Hexachlorobutadiene [22]	799	µg/Kg	1	500	<3.24	160	55.4 - 122	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	400	398	µg/Kg	1	500	80	80	79.1 - 110
Toluene-d8	507	500	µg/Kg	1	500	101	100	84.3 - 108
4-Bromofluorobenzene (4-BFB)	512	512	µg/Kg	1	500	102	102	84.5 - 109

Matrix Spike (MS-1) Spiked Sample: 128951

QC Batch:	38785	Date Analyzed:	2007-07-05	Analyzed By:	TG
Prep Batch:	33564	QC Preparation:	2007-07-05	Prepared By:	TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO [23]	594	mg/Kg	1	250	249	138	47.5 - 127

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO [24]	598	mg/Kg	1	250	249	140	47.5 - 127	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[22] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[23] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[24] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	198	205	mg/Kg	1	150	132	137	62.5 - 164

Standard (ICV-1)

QC Batch: 38693 Date Analyzed: 2007-07-02 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	268	107	85 - 115	2007-07-02

Standard (CCV-1)

QC Batch: 38693 Date Analyzed: 2007-07-02 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	264	106	85 - 115	2007-07-02

Standard (CCV-1)

QC Batch: 38704 Date Analyzed: 2007-07-02 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60.0	65.2	109	80 - 120	2007-07-02
1,4-Dichlorobenzene (para)		mg/Kg	60.0	59.8	100	80 - 120	2007-07-02
2-Nitrophenol		mg/Kg	60.0	66.2	110	80 - 120	2007-07-02
2,4-Dichlorophenol		mg/Kg	60.0	58.0	97	80 - 120	2007-07-02
Hexachlorobutadiene		mg/Kg	60.0	64.9	108	80 - 120	2007-07-02
4-Chloro-3-methylphenol		mg/Kg	60.0	56.2	94	80 - 120	2007-07-02
2,4,6-Trichlorophenol		mg/Kg	60.0	59.5	99	80 - 120	2007-07-02
Acenaphthene		mg/Kg	60.0	55.5	92	80 - 120	2007-07-02
Diphenylamine		mg/Kg	60.0	58.6	98	80 - 120	2007-07-02
Pentachlorophenol		mg/Kg	60.0	50.6	84	80 - 120	2007-07-02
Fluoranthene		mg/Kg	60.0	60.2	100	80 - 120	2007-07-02
Di-n-octylphthalate		mg/Kg	60.0	67.0	112	80 - 120	2007-07-02
Benzo(a)pyrene		mg/Kg	60.0	61.2	102	80 - 120	2007-07-02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		62.9	mg/Kg	1	60.0	105	80 - 120
Phenol-d5		61.9	mg/Kg	1	60.0	103	80 - 120
Nitrobenzene-d5		61.3	mg/Kg	1	60.0	102	80 - 120
2-Fluorobiphenyl		57.3	mg/Kg	1	60.0	96	80 - 120
2,4,6-Tribromophenol		63.1	mg/Kg	1	60.0	105	80 - 120
Terphenyl-d14		61.0	mg/Kg	1	60.0	102	80 - 120

Standard (CCV-1)

QC Batch: 38726 Date Analyzed: 2007-07-02 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/Kg	50.0	48.1	96	70 - 130	2007-07-02
Dichlorodifluoromethane		µg/Kg	50.0	42.1	84	70 - 130	2007-07-02
Chloromethane (methyl chloride)		µg/Kg	50.0	43.3	87	70 - 130	2007-07-02
Vinyl Chloride		µg/Kg	50.0	43.0	86	80 - 120	2007-07-02
Bromomethane (methyl bromide)		µg/Kg	50.0	44.1	88	70 - 130	2007-07-02
Chloroethane		µg/Kg	50.0	43.5	87	70 - 130	2007-07-02
Trichlorofluoromethane		µg/Kg	50.0	43.9	88	70 - 130	2007-07-02
Acetone		µg/Kg	50.0	39.1	78	70 - 130	2007-07-02
Iodomethane (methyl iodide)		µg/Kg	50.0	47.7	95	70 - 130	2007-07-02
Carbon Disulfide		µg/Kg	50.0	46.8	94	70 - 130	2007-07-02
Acrylonitrile		µg/Kg	50.0	51.0	102	70 - 130	2007-07-02
2-Butanone (MEK)		µg/Kg	50.0	47.6	95	70 - 130	2007-07-02
4-Methyl-2-pentanone (MIBK)		µg/Kg	50.0	49.1	98	70 - 130	2007-07-02
2-Hexanone		µg/Kg	50.0	51.1	102	70 - 130	2007-07-02
trans 1,4-Dichloro-2-butene		µg/Kg	50.0	51.1	102	70 - 130	2007-07-02
1,1-Dichloroethene		µg/Kg	50.0	47.0	94	80 - 120	2007-07-02
Methylene chloride		µg/Kg	50.0	40.1	80	70 - 130	2007-07-02
MTBE		µg/Kg	50.0	49.8	100	70 - 130	2007-07-02
trans-1,2-Dichloroethene		µg/Kg	50.0	48.4	97	70 - 130	2007-07-02
1,1-Dichloroethane		µg/Kg	50.0	47.2	94	70 - 130	2007-07-02
cis-1,2-Dichloroethene		µg/Kg	50.0	48.9	98	70 - 130	2007-07-02
2,2-Dichloropropane		µg/Kg	50.0	48.2	96	70 - 130	2007-07-02
1,2-Dichloroethane (EDC)		µg/Kg	50.0	45.5	91	70 - 130	2007-07-02
Chloroform		µg/Kg	50.0	46.3	93	80 - 120	2007-07-02
1,1,1-Trichloroethane		µg/Kg	50.0	46.3	93	70 - 130	2007-07-02
1,1-Dichloropropene		µg/Kg	50.0	49.4	99	70 - 130	2007-07-02
Benzene		µg/Kg	50.0	49.7	99	70 - 130	2007-07-02
Carbon Tetrachloride		µg/Kg	50.0	48.4	97	70 - 130	2007-07-02
1,2-Dichloropropane		µg/Kg	50.0	49.5	99	80 - 120	2007-07-02
Trichloroethene (TCE)		µg/Kg	50.0	49.0	98	70 - 130	2007-07-02
Dibromomethane (methylene bromide)		µg/Kg	50.0	49.8	100	70 - 130	2007-07-02
Bromodichloromethane		µg/Kg	50.0	49.7	99	70 - 130	2007-07-02
2-Chloroethyl vinyl ether		µg/Kg	50.0	48.3	97	70 - 130	2007-07-02
cis-1,3-Dichloropropene		µg/Kg	50.0	52.3	105	70 - 130	2007-07-02
trans-1,3-Dichloropropene		µg/Kg	50.0	52.6	105	70 - 130	2007-07-02
Toluene		µg/Kg	50.0	49.3	99	80 - 120	2007-07-02
1,1,2-Trichloroethane		µg/Kg	50.0	53.1	106	70 - 130	2007-07-02
1,3-Dichloropropane		µg/Kg	50.0	53.6	107	70 - 130	2007-07-02
Dibromochloromethane		µg/Kg	50.0	54.6	109	70 - 130	2007-07-02
1,2-Dibromoethane (EDB)		µg/Kg	50.0	54.0	108	70 - 130	2007-07-02
Tetrachloroethene (PCE)		µg/Kg	50.0	52.4	105	70 - 130	2007-07-02
Chlorobenzene		µg/Kg	50.0	52.0	104	80 - 120	2007-07-02
1,1,1,2-Tetrachloroethane		µg/Kg	50.0	52.4	105	70 - 130	2007-07-02
Ethylbenzene		µg/Kg	50.0	53.6	107	80 - 120	2007-07-02
m,p-Xylene		µg/Kg	100	107	107	70 - 130	2007-07-02
Bromoform		µg/Kg	50.0	57.2	114	70 - 130	2007-07-02
Styrene		µg/Kg	50.0	56.6	113	70 - 130	2007-07-02

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
o-Xylene		µg/Kg	50.0	54.9	110	70 - 130	2007-07-02
1,1,2,2-Tetrachloroethane		µg/Kg	50.0	55.0	110	70 - 130	2007-07-02
2-Chlorotoluene		µg/Kg	50.0	53.6	107	70 - 130	2007-07-02
1,2,3-Trichloropropane		µg/Kg	50.0	55.6	111	70 - 130	2007-07-02
Isopropylbenzene		µg/Kg	50.0	55.7	111	70 - 130	2007-07-02
Bromobenzene		µg/Kg	50.0	54.7	109	70 - 130	2007-07-02
n-Propylbenzene		µg/Kg	50.0	54.4	109	70 - 130	2007-07-02
1,3,5-Trimethylbenzene		µg/Kg	50.0	54.6	109	70 - 130	2007-07-02
tert-Butylbenzene		µg/Kg	50.0	54.1	108	70 - 130	2007-07-02
1,2,4-Trimethylbenzene		µg/Kg	50.0	55.4	111	70 - 130	2007-07-02
1,4-Dichlorobenzene (para)		µg/Kg	50.0	52.8	106	70 - 130	2007-07-02
sec-Butylbenzene		µg/Kg	50.0	53.8	108	70 - 130	2007-07-02
1,3-Dichlorobenzene (meta)		µg/Kg	50.0	53.9	108	70 - 130	2007-07-02
p-Isopropyltoluene		µg/Kg	50.0	55.5	111	70 - 130	2007-07-02
4-Chlorotoluene		µg/Kg	50.0	54.3	109	70 - 130	2007-07-02
1,2-Dichlorobenzene (ortho)		µg/Kg	50.0	54.9	110	70 - 130	2007-07-02
n-Butylbenzene		µg/Kg	50.0	55.5	111	70 - 130	2007-07-02
1,2-Dibromo-3-chloropropane		µg/Kg	50.0	55.0	110	70 - 130	2007-07-02
1,2,3-Trichlorobenzene		µg/Kg	50.0	49.3	99	70 - 130	2007-07-02
1,2,4-Trichlorobenzene		µg/Kg	50.0	55.4	111	70 - 130	2007-07-02
Naphthalene		µg/Kg	50.0	54.4	109	70 - 130	2007-07-02
Hexachlorobutadiene		µg/Kg	50.0	50.4	101	70 - 130	2007-07-02

Standard (ICV-1)

QC Batch: 38785 Date Analyzed: 2007-07-05 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	274	110	85 - 115	2007-07-05

Standard (CCV-1)

QC Batch: 38785 Date Analyzed: 2007-07-05 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	274	110	85 - 115	2007-07-05

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P.O. BOX 363, Bldg 126, 3rd Floor, WSMR, NM 88002
Office: (505) 678-0263 Fax: (505) 678-6096

WTS

CHAIN OF CUSTODY RECORD

PROJECT NO.: 45

PROJECT NAME: POL ASTS

SAMPLER'S SIGNATURE:

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH VOC/SVOC	TPH/DRO								REMARKS
6-28-07	1500	0209-CF-001-32.0	SOIL	128951	1	X									
6-28-07	1100	0209-CF-002-30.0	SOIL	952	1		X								
		TEMPERATURE BLANK	WATER		1										TEMP. BLANK
6-29-07	1315	0209-CF-003-20.0	Soil	953	1	X									
6-29-07	1400	0209-CF-004-20.0	SOIL	954	1	X									
6-29-07	1400	0209-CF-104-20.0	SOIL	955	1	X									
6-29-07	1410	0209-CF-005-10.0	SOIL	956	1		X								

ANALYSIS REQUESTED

PROJECT INFORMATION

PROJECT MANAGER: Brad Davis

SHIPPING ID NO.:

VIA: FED-EX

SAMPLES RECEIVED:

TOTAL NO. OF CONTAINERS:

CHAIN OF CUSTODY SEALS:

GOOD CONDITION/COLD:

CONFORMS TO RECORD:

1. RELINQUISHED BY: (SIGNATURE)
(PRINTED NAME) GABRIEL GARCIA
RECEIVED BY: (SIGNATURE)
(TIME/DATE)

2. RELINQUISHED BY: (SIGNATURE)
(PRINTED NAME)
RECEIVED BY: (SIGNATURE)
(TIME/DATE)

3. RECEIVED BY LAB: (SIGNATURE)
(PRINTED NAME) Emily
(COMPANY) Trace Analysis
(TIME/DATE) 11:00 6-30-07

SPECIAL INSTRUCTIONS/COMMENTS: BRAD DAVIS
TPH DRO RUSH TURNAROUND 1 day VERBAL (505) 993-6890

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: July 24, 2007

Work Order: 7071016

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
129385	0166-EB-004-0707	water	2007-07-09	11:40	2007-07-10
129386	0166-TB-899-0707	water	2007-07-09	11:40	2007-07-10

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 30 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-10 and assigned to work order 7071016. Samples for work order 7071016 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C
TPH DRO	Mod. 8015B
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7071016 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 129385 - 0166-EB-004-0707

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	39096	Date Analyzed:	2007-07-12	Analyzed By:	DS
Prep Batch:	33841	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500	mg/L	1	0.00500
Isophorone		<0.00500	mg/L	1	0.00500
2-Nitrophenol		<0.00500	mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500	mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500	mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500	mg/L	1	0.00500
Benzoic acid		<0.00500	mg/L	1	0.00500
Naphthalene		<0.00500	mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500	mg/L	1	0.00500
4-Chloroaniline		<0.00500	mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100	mg/L	1	0.0100
Hexachlorobutadiene		<0.00500	mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500	mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500	mg/L	1	0.00500
2-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500	mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500	mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100	mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500	mg/L	1	0.00500
2-Chloronaphthalene		<0.00500	mg/L	1	0.00500
1-Chloronaphthalene		<0.00500	mg/L	1	0.00500
2-Nitroaniline		<0.00500	mg/L	1	0.00500

continued ...

sample 129385 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.00500	mg/L	1	0.00500
Acenaphthylene		<0.00500	mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500	mg/L	1	0.00500
3-Nitroaniline		<0.00500	mg/L	1	0.00500
Acenaphthene		<0.00500	mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500	mg/L	1	0.00500
Dibenzofuran		<0.00500	mg/L	1	0.00500
Pentachlorobenzene		<0.00500	mg/L	1	0.00500
4-Nitrophenol		<0.0250	mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500	mg/L	1	0.00500
1-Naphthylamine		<0.00500	mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100	mg/L	1	0.0100
2-Naphthylamine		<0.00500	mg/L	1	0.00500
Fluorene		<0.00500	mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500	mg/L	1	0.00500
Diethylphthalate		<0.00500	mg/L	1	0.00500
4-Nitroaniline		<0.00500	mg/L	1	0.00500
Diphenylhydrazine		<0.00500	mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500	mg/L	1	0.00500
Diphenylamine		<0.00500	mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500	mg/L	1	0.00500
Phenacetin		<0.00500	mg/L	1	0.00500
Hexachlorobenzene		<0.00500	mg/L	1	0.00500
4-Aminobiphenyl		<0.00500	mg/L	1	0.00500
Pentachlorophenol		<0.0100	mg/L	1	0.0100
Anthracene		<0.00500	mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500	mg/L	1	0.00500
Pronamide		<0.00500	mg/L	1	0.00500
Phenanthrene		<0.00500	mg/L	1	0.00500
Di-n-butylphthalate		<0.00500	mg/L	1	0.00500
Fluoranthene		<0.00500	mg/L	1	0.00500
Benzidine		<0.0250	mg/L	1	0.0250
Pyrene		<0.00500	mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500	mg/L	1	0.00500
Butylbenzylphthalate		<0.00500	mg/L	1	0.00500
Benzo(a)anthracene		<0.00500	mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500	mg/L	1	0.00500
Chrysene		<0.00500	mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500	mg/L	1	0.00500
Di-n-octylphthalate		<0.00500	mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500	mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500	mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500	mg/L	1	0.00500
Benzo(a)pyrene		<0.00500	mg/L	1	0.00500
3-Methylcholanthrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500	mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500	mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500	mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0199	mg/L	1	0.0800	25	10 - 84.7
Phenol-d5		0.0179	mg/L	1	0.0800	22	10 - 54.9
Nitrobenzene-d5		0.0677	mg/L	1	0.0800	85	10 - 202
2-Fluorobiphenyl		0.0712	mg/L	1	0.0800	89	10 - 199
2,4,6-Tribromophenol		0.0760	mg/L	1	0.0800	95	10 - 141
Terphenyl-d14		0.0697	mg/L	1	0.0800	87	10 - 160

Sample: 129385 - 0166-EB-004-0707

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38934	Date Analyzed:	2007-07-11	Analyzed By:	TG
Prep Batch:	33698	Sample Preparation:	2007-07-10	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		22.1	mg/L	1	15.0	147	40.7 - 174

Sample: 129385 - 0166-EB-004-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38997	Date Analyzed:	2007-07-10	Analyzed By:	JG
Prep Batch:	33754	Sample Preparation:	2007-07-10	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	μg/L	1	1.00
Dichlorodifluoromethane		<1.00	μg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	μg/L	1	1.00
Vinyl Chloride		<1.00	μg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	μg/L	1	5.00
Chloroethane		<1.00	μg/L	1	1.00
Trichlorofluoromethane		<1.00	μg/L	1	1.00
Acetone		<10.0	μg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	μg/L	1	5.00
Carbon Disulfide		<1.00	μg/L	1	1.00
Acrylonitrile		<1.00	μg/L	1	1.00
2-Butanone (MEK)		<5.00	μg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	μg/L	1	5.00
2-Hexanone		<5.00	μg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	μg/L	1	10.0
1,1-Dichloroethene		<1.00	μg/L	1	1.00
Methylene chloride		<5.00	μg/L	1	5.00
MTBE		<1.00	μg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	μg/L	1	1.00
1,1-Dichloroethane		<1.00	μg/L	1	1.00

continued ...

sample 129385 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
cis-1,2-Dichloroethene		<1.00	μg/L	1	1.00
2,2-Dichloropropane		<1.00	μg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	μg/L	1	1.00
Chloroform		<1.00	μg/L	1	1.00
1,1,1-Trichloroethane		<1.00	μg/L	1	1.00
1,1-Dichloropropene		<1.00	μg/L	1	1.00
Benzene		<1.00	μg/L	1	1.00
Carbon Tetrachloride		<1.00	μg/L	1	1.00
1,2-Dichloropropane		<1.00	μg/L	1	1.00
Trichloroethene (TCE)		<1.00	μg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	μg/L	1	1.00
Bromodichloromethane		<1.00	μg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	μg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	μg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	μg/L	1	1.00
Toluene		<1.00	μg/L	1	1.00
1,1,2-Trichloroethane		<1.00	μg/L	1	1.00
1,3-Dichloropropane		<1.00	μg/L	1	1.00
Dibromochloromethane		<1.00	μg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	μg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	μg/L	1	1.00
Chlorobenzene		<1.00	μg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	μg/L	1	1.00
Ethylbenzene		<1.00	μg/L	1	1.00
m,p-Xylene		<1.00	μg/L	1	1.00
Bromoform		<1.00	μg/L	1	1.00
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	μg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane	[1]	59.8	μg/L	1	50.0	120	82.4 - 115
Toluene-d8	[2]	62.8	μg/L	1	50.0	126	89.7 - 108
4-Bromofluorobenzene (4-BFB)	[3]	59.4	μg/L	1	50.0	119	84.6 - 114

Sample: 129386 - 0166-TB-899-0707

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38992	Date Analyzed:	2007-07-11	Analyzed By:	JG
Prep Batch:	33751	Sample Preparation:	2007-07-11	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	μg/L	1	1.00
Dichlorodifluoromethane		<1.00	μg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	μg/L	1	1.00
Vinyl Chloride		<1.00	μg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	μg/L	1	5.00
Chloroethane		<1.00	μg/L	1	1.00
Trichlorofluoromethane		<1.00	μg/L	1	1.00
Acetone		**67.6**	μg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	μg/L	1	5.00
Carbon Disulfide		<1.00	μg/L	1	1.00
Acrylonitrile		<1.00	μg/L	1	1.00
2-Butanone (MEK)		<5.00	μg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	μg/L	1	5.00
2-Hexanone		<5.00	μg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	μg/L	1	10.0
1,1-Dichloroethene		**1.82**	μg/L	1	1.00
Methylene chloride		<5.00	μg/L	1	5.00
MTBE		<1.00	μg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	μg/L	1	1.00
1,1-Dichloroethane		<1.00	μg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	μg/L	1	1.00
2,2-Dichloropropane		<1.00	μg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	μg/L	1	1.00
Chloroform		<1.00	μg/L	1	1.00
1,1,1-Trichloroethane		<1.00	μg/L	1	1.00
1,1-Dichloropropene		<1.00	μg/L	1	1.00
Benzene		<1.00	μg/L	1	1.00
Carbon Tetrachloride		<1.00	μg/L	1	1.00
1,2-Dichloropropane		<1.00	μg/L	1	1.00
Trichloroethene (TCE)		<1.00	μg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	μg/L	1	1.00
Bromodichloromethane		<1.00	μg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	μg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	μg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	μg/L	1	1.00
Toluene		<1.00	μg/L	1	1.00
1,1,2-Trichloroethane		<1.00	μg/L	1	1.00
1,3-Dichloropropane		<1.00	μg/L	1	1.00

[1] High surrogate recovery. Sample non-detect, result bias high.
[2] High surrogate recovery. Sample non-detect, result bias high.
[3] High surrogate recovery. Sample non-detect, result bias high.

continued ...

sample 129386 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dibromochloromethane		<1.00	μg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	μg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	μg/L	1	1.00
Chlorobenzene		<1.00	μg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	μg/L	1	1.00
Ethylbenzene		<1.00	μg/L	1	1.00
m,p-Xylene		<1.00	μg/L	1	1.00
Bromoform		<1.00	μg/L	1	1.00
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	μg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.3	μg/L	1	50.0	105	82.4 - 115
Toluene-d8		51.3	μg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.7	μg/L	1	50.0	91	84.6 - 114

Method Blank (1) QC Batch: 38934

QC Batch:	38934	Date Analyzed:	2007-07-11	Analyzed By:	TG
Prep Batch:	33698	QC Preparation:	2007-07-10	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<1.06	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		20.8	mg/L	1	15.0	139	40.7 - 174

Method Blank (1) QC Batch: 38992

QC Batch:	38992	Date Analyzed:	2007-07-11	Analyzed By:	JG
Prep Batch:	33751	QC Preparation:	2007-07-11	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1
Acetone		<1.86	µg/L	10
Iodomethane (methyl iodide)		<0.397	µg/L	5
Carbon Disulfide		<0.354	µg/L	1
Acrylonitrile		<0.306	µg/L	1
2-Butanone (MEK)		<0.670	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	µg/L	5
2-Hexanone		<0.303	µg/L	5
trans 1,4-Dichloro-2-butene		<0.406	µg/L	10
1,1-Dichloroethene		<0.326	µg/L	1
Methylene chloride		1.86	µg/L	5
MTBE		<0.352	µg/L	1
trans-1,2-Dichloroethene		<0.322	µg/L	1
1,1-Dichloroethane		<0.324	µg/L	1
cis-1,2-Dichloroethene		<0.331	µg/L	1
2,2-Dichloropropane		<0.440	µg/L	1
1,2-Dichloroethane (EDC)		<0.327	µg/L	1
Chloroform		<0.345	µg/L	1
1,1,1-Trichloroethane		<0.303	µg/L	1
1,1-Dichloropropene		<0.356	µg/L	1
Benzene		<0.356	µg/L	1
Carbon Tetrachloride		<0.342	µg/L	1
1,2-Dichloropropane		<0.366	µg/L	1
Trichloroethene (TCE)		<0.434	µg/L	1
Dibromomethane (methylene bromide)		<0.406	µg/L	1
Bromodichloromethane		<0.325	µg/L	1
2-Chloroethyl vinyl ether		<0.366	µg/L	5
cis-1,3-Dichloropropene		<0.387	µg/L	1
trans-1,3-Dichloropropene		<0.367	µg/L	1
Toluene		<0.366	µg/L	1
1,1,2-Trichloroethane		<0.397	µg/L	1
1,3-Dichloropropane		<0.355	µg/L	1
Dibromochloromethane		<0.315	µg/L	1
1,2-Dibromoethane (EDB)		<0.340	µg/L	1
Tetrachloroethene (PCE)		<0.355	µg/L	1

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Chlorobenzene		<0.363	µg/L	1
1,1,1,2-Tetrachloroethane		<0.338	µg/L	1
Ethylbenzene		<0.350	µg/L	1
m,p-Xylene		<0.752	µg/L	1
Bromoform		<0.275	µg/L	1
Styrene		<0.395	µg/L	1
o-Xylene		<0.375	µg/L	1
1,1,2,2-Tetrachloroethane		<0.283	µg/L	1
2-Chlorotoluene		<0.445	µg/L	1
1,2,3-Trichloropropane		<0.430	µg/L	1
Isopropylbenzene		<0.521	µg/L	1
Bromobenzene		<0.494	µg/L	1
n-Propylbenzene		<0.483	µg/L	1
1,3,5-Trimethylbenzene		<0.487	µg/L	1
tert-Butylbenzene		<0.496	µg/L	1
1,2,4-Trimethylbenzene		<0.532	µg/L	1
1,4-Dichlorobenzene (para)		<0.413	µg/L	1
sec-Butylbenzene		<0.449	µg/L	1
1,3-Dichlorobenzene (meta)		<0.451	µg/L	1
p-Isopropyltoluene		<0.450	µg/L	1
4-Chlorotoluene		<0.489	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	µg/L	1
n-Butylbenzene		<0.461	µg/L	1
1,2-Dibromo-3-chloropropane		<0.532	µg/L	5
1,2,3-Trichlorobenzene		<0.288	µg/L	5
1,2,4-Trichlorobenzene		<0.273	µg/L	5
Naphthalene		<0.299	µg/L	5
Hexachlorobutadiene		<0.483	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.0	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		50.2	µg/L	1	50.0	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.6	µg/L	1	50.0	91	84.6 - 114

Method Blank (1) QC Batch: 38997

QC Batch:	38997	Date Analyzed:	2007-07-10	Analyzed By:	JG
Prep Batch:	33754	QC Preparation:	2007-07-10	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	µg/L	1
Dichlorodifluoromethane		<0.306	µg/L	1
Chloromethane (methyl chloride)		<0.240	µg/L	1
Vinyl Chloride		<0.224	µg/L	1
Bromomethane (methyl bromide)		<0.325	µg/L	5
Chloroethane		<0.303	µg/L	1
Trichlorofluoromethane		<0.255	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Acetone		2.55	μg/L	10
Iodomethane (methyl iodide)		<0.397	μg/L	5
Carbon Disulfide		<0.354	μg/L	1
Acrylonitrile		<0.306	μg/L	1
2-Butanone (MEK)		<0.670	μg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	μg/L	5
2-Hexanone		<0.303	μg/L	5
trans 1,4-Dichloro-2-butene		<0.406	μg/L	10
1,1-Dichloroethene		<0.326	μg/L	1
Methylene chloride		1.16	μg/L	5
MTBE		<0.352	μg/L	1
trans-1,2-Dichloroethene		<0.322	μg/L	1
1,1-Dichloroethane		<0.324	μg/L	1
cis-1,2-Dichloroethene		<0.331	μg/L	1
2,2-Dichloropropane		<0.440	μg/L	1
1,2-Dichloroethane (EDC)		<0.327	μg/L	1
Chloroform		<0.345	μg/L	1
1,1,1-Trichloroethane		<0.303	μg/L	1
1,1-Dichloropropene		<0.356	μg/L	1
Benzene		<0.356	μg/L	1
Carbon Tetrachloride		<0.342	μg/L	1
1,2-Dichloropropane		<0.366	μg/L	1
Trichloroethene (TCE)		<0.434	μg/L	1
Dibromomethane (methylene bromide)		<0.406	μg/L	1
Bromodichloromethane		<0.325	μg/L	1
2-Chloroethyl vinyl ether		<0.366	μg/L	5
cis-1,3-Dichloropropene		<0.387	μg/L	1
trans-1,3-Dichloropropene		<0.367	μg/L	1
Toluene		<0.366	μg/L	1
1,1,2-Trichloroethane		<0.397	μg/L	1
1,3-Dichloropropane		<0.355	μg/L	1
Dibromochloromethane		<0.315	μg/L	1
1,2-Dibromoethane (EDB)		<0.340	μg/L	1
Tetrachloroethene (PCE)		<0.355	μg/L	1
Chlorobenzene		<0.363	μg/L	1
1,1,1,2-Tetrachloroethane		<0.338	μg/L	1
Ethylbenzene		<0.350	μg/L	1
m,p-Xylene		<0.752	μg/L	1
Bromoform		<0.275	μg/L	1
Styrene		<0.395	μg/L	1
o-Xylene		<0.375	μg/L	1
1,1,2,2-Tetrachloroethane		<0.283	μg/L	1
2-Chlorotoluene		<0.445	μg/L	1
1,2,3-Trichloropropane		<0.430	μg/L	1
Isopropylbenzene		<0.521	μg/L	1
Bromobenzene		<0.494	μg/L	1
n-Propylbenzene		<0.483	μg/L	1
1,3,5-Trimethylbenzene		<0.487	μg/L	1
tert-Butylbenzene		<0.496	μg/L	1
1,2,4-Trimethylbenzene		<0.532	μg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,4-Dichlorobenzene (para)		<0.413	μg/L	1
sec-Butylbenzene		<0.449	μg/L	1
1,3-Dichlorobenzene (meta)		<0.451	μg/L	1
p-Isopropyltoluene		<0.450	μg/L	1
4-Chlorotoluene		<0.489	μg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	μg/L	1
n-Butylbenzene		<0.461	μg/L	1
1,2-Dibromo-3-chloropropane		<0.532	μg/L	5
1,2,3-Trichlorobenzene		1.42	μg/L	5
1,2,4-Trichlorobenzene		0.650	μg/L	5
Naphthalene		0.770	μg/L	5
Hexachlorobutadiene		0.860	μg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		45.6	μg/L	1	50.0	91	82.4 - 115
Toluene-d8		49.3	μg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.4	μg/L	1	50.0	97	84.6 - 114

Method Blank (1) QC Batch: 39096

QC Batch:	39096	Date Analyzed:	2007-07-12	Analyzed By:	DS
Prep Batch:	33841	QC Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.00188	mg/L	0.005
N-Nitrosodimethylamine		<0.00180	mg/L	0.005
2-Picoline		<0.00181	mg/L	0.005
Methyl methanesulfonate		<0.00220	mg/L	0.005
Ethyl methanesulfonate		<0.00260	mg/L	0.005
Phenol		<0.00231	mg/L	0.005
Aniline		<0.00200	mg/L	0.005
bis(2-chloroethyl)ether		<0.00180	mg/L	0.005
2-Chlorophenol		<0.00190	mg/L	0.005
1,3-Dichlorobenzene (meta)		<0.00181	mg/L	0.005
1,4-Dichlorobenzene (para)		<0.00179	mg/L	0.005
Benzyl alcohol		<0.00244	mg/L	0.005
1,2-Dichlorobenzene (ortho)		<0.00173	mg/L	0.005
2-Methylphenol		<0.00230	mg/L	0.005
bis(2-chloroisopropyl)ether		<0.00209	mg/L	0.005
4-Methylphenol / 3-Methylphenol		<0.00229	mg/L	0.005
N-Nitrosodi-n-propylamine		<0.00236	mg/L	0.005
Hexachloroethane		<0.00189	mg/L	0.005
Acetophenone		<0.00211	mg/L	0.005
Nitrobenzene		<0.00192	mg/L	0.005
N-Nitrosopiperidine		<0.00208	mg/L	0.005
Isophorone		<0.00206	mg/L	0.005
2-Nitrophenol		<0.00189	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
2,4-Dimethylphenol		<0.00209	mg/L	0.005
bis(2-chloroethoxy)methane		<0.00216	mg/L	0.005
2,4-Dichlorophenol		<0.00192	mg/L	0.005
1,2,4-Trichlorobenzene		<0.00176	mg/L	0.005
Benzoic acid		<0.00765	mg/L	0.005
Naphthalene		<0.00187	mg/L	0.005
a,a-Dimethylphenethylamine		<0.00146	mg/L	0.005
4-Chloroaniline		<0.00210	mg/L	0.005
2,6-Dichlorophenol		<0.00199	mg/L	0.01
Hexachlorobutadiene		<0.00186	mg/L	0.005
N-Nitroso-di-n-butylamine		<0.00214	mg/L	0.005
4-Chloro-3-methylphenol		<0.00182	mg/L	0.005
2-Methylnaphthalene		<0.00206	mg/L	0.005
1-Methylnaphthalene		<0.00205	mg/L	0.005
1,2,4,5-Tetrachlorobenzene		<0.00211	mg/L	0.005
Hexachlorocyclopentadiene		<0.00175	mg/L	0.005
2,4,6-Trichlorophenol		<0.00200	mg/L	0.01
2,4,5-Trichlorophenol		<0.00176	mg/L	0.005
2-Chloronaphthalene		<0.00200	mg/L	0.005
1-Chloronaphthalene		<0.00259	mg/L	0.005
2-Nitroaniline		<0.00167	mg/L	0.005
Dimethylphthalate		<0.00160	mg/L	0.005
Acenaphthylene		<0.00201	mg/L	0.005
2,6-Dinitrotoluene		<0.00158	mg/L	0.005
3-Nitroaniline		<0.00166	mg/L	0.005
Acenaphthene		<0.00191	mg/L	0.005
2,4-Dinitrophenol		<0.000621	mg/L	0.005
Dibenzofuran		<0.00185	mg/L	0.005
Pentachlorobenzene		<0.00189	mg/L	0.005
4-Nitrophenol		<0.00156	mg/L	0.025
2,4-Dinitrotoluene		<0.00187	mg/L	0.005
1-Naphthylamine		<0.00149	mg/L	0.005
2,3,4,6-Tetrachlorophenol		<0.00162	mg/L	0.01
2-Naphthylamine		<0.00157	mg/L	0.005
Fluorene		<0.00182	mg/L	0.005
4-Chlorophenyl-phenylether		<0.00188	mg/L	0.005
Diethylphthalate		<0.00182	mg/L	0.005
4-Nitroaniline		<0.00182	mg/L	0.005
Diphenylhydrazine		<0.00184	mg/L	0.005
4,6-Dinitro-2-methylphenol		<0.00109	mg/L	0.005
Diphenylamine		<0.00193	mg/L	0.005
4-Bromophenyl-phenylether		<0.00179	mg/L	0.005
Phenacetin		<0.00190	mg/L	0.005
Hexachlorobenzene		<0.00193	mg/L	0.005
4-Aminobiphenyl		<0.00185	mg/L	0.005
Pentachlorophenol		<0.00130	mg/L	0.01
Anthracene		<0.00190	mg/L	0.005
Pentachloronitrobenzene		<0.00187	mg/L	0.005
Pronamide		<0.00182	mg/L	0.005
Phenanthrene		<0.00186	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Di-n-butylphthalate		<0.00180	mg/L	0.005
Fluoranthene		<0.00184	mg/L	0.005
Benzidine		<0.00156	mg/L	0.025
Pyrene		<0.00165	mg/L	0.005
p-Dimethylaminoazobenzene		<0.00145	mg/L	0.005
Butylbenzylphthalate		<0.00165	mg/L	0.005
Benzo(a)anthracene		<0.00157	mg/L	0.005
3,3-Dichlorobenzidine		<0.00162	mg/L	0.005
Chrysene		<0.00162	mg/L	0.005
bis(2-ethylhexyl)phthalate		<0.00171	mg/L	0.005
Di-n-octylphthalate		<0.00136	mg/L	0.005
Benzo(b)fluoranthene		<0.00160	mg/L	0.005
Benzo(k)fluoranthene		<0.00179	mg/L	0.005
7,12-Dimethylbenz(a)anthracene		<0.00152	mg/L	0.005
Benzo(a)pyrene		<0.00161	mg/L	0.005
3-Methylcholanthrene		<0.00147	mg/L	0.005
Dibenzo(a,j)acridine		<0.00154	mg/L	0.005
Indeno(1,2,3-cd)pyrene		<0.00160	mg/L	0.005
Dibenzo(a,h)anthracene		<0.00180	mg/L	0.005
Benzo(g,h,i)perylene		<0.00166	mg/L	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0115	mg/L	1	0.0800	14	10 - 66.9
Phenol-d5		0.0105	mg/L	1	0.0800	13	10 - 50.7
Nitrobenzene-d5		0.0505	mg/L	1	0.0800	63	10 - 124
2-Fluorobiphenyl		0.0542	mg/L	1	0.0800	68	10 - 127
2,4,6-Tribromophenol		0.0324	mg/L	1	0.0800	40	10 - 138
Terphenyl-d14		0.0688	mg/L	1	0.0800	86	10 - 143

Laboratory Control Spike (LCS-1)

QC Batch: 38934 Date Analyzed: 2007-07-11 Analyzed By: TG
Prep Batch: 33698 QC Preparation: 2007-07-10 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	26.7	mg/L	1	25.0	<1.06	107	56.9 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	28.0	mg/L	1	25.0	<1.06	112	56.9 - 128	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	21.9	21.8	mg/L	1	15.0	146	145	40.7 - 174

Laboratory Control Spike (LCS-1)

QC Batch: 38992 Date Analyzed: 2007-07-11 Analyzed By: JG
Prep Batch: 33751 QC Preparation: 2007-07-11 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	51.4	µg/L	1	50.0	<0.351	103	85.7 - 113
Dichlorodifluoromethane	48.5	µg/L	1	50.0	<0.306	97	60.3 - 134
Chloromethane (methyl chloride)	51.4	µg/L	1	50.0	<0.240	103	72 - 120
Vinyl Chloride	52.6	µg/L	1	50.0	<0.224	105	64.4 - 132
Bromomethane (methyl bromide)	53.3	µg/L	1	50.0	<0.325	107	65.9 - 133
Chloroethane	52.1	µg/L	1	50.0	<0.303	104	65.3 - 132
Trichlorofluoromethane	54.2	µg/L	1	50.0	<0.255	108	52.7 - 159
Acetone	75.4	µg/L	1	50.0	<1.86	151	10 - 185
Iodomethane (methyl iodide)	50.8	µg/L	1	50.0	<0.397	102	80.9 - 112
Carbon Disulfide	50.8	µg/L	1	50.0	<0.354	102	73.7 - 120
Acrylonitrile	55.0	µg/L	1	50.0	<0.306	110	75.8 - 121
2-Butanone (MEK)	56.7	µg/L	1	50.0	<0.670	113	43.7 - 117
4-Methyl-2-pentanone (MIBK)	52.3	µg/L	1	50.0	<0.463	105	69.3 - 120
2-Hexanone	60.3	µg/L	1	50.0	<0.303	121	35.6 - 138
trans 1,4-Dichloro-2-butene	54.4	µg/L	1	50.0	<0.407	109	40 - 128
1,1-Dichloroethene	49.5	µg/L	1	50.0	<0.326	99	83.4 - 114
Methylene chloride	51.0	µg/L	1	50.0	<0.375	102	62.6 - 119
MTBE	52.2	µg/L	1	50.0	<0.352	104	70 - 132
trans-1,2-Dichloroethene	50.4	µg/L	1	50.0	<0.322	101	83.3 - 114
1,1-Dichloroethane	50.6	µg/L	1	50.0	<0.324	101	81 - 124
cis-1,2-Dichloroethene	51.2	µg/L	1	50.0	<0.331	102	83.8 - 115
2,2-Dichloropropane	53.9	µg/L	1	50.0	<0.440	108	37.9 - 136
1,2-Dichloroethane (EDC)	51.6	µg/L	1	50.0	<0.327	103	67.8 - 131
Chloroform	51.1	µg/L	1	50.0	<0.345	102	75.1 - 125
1,1,1-Trichloroethane	50.6	µg/L	1	50.0	<0.303	101	72.9 - 123
1,1-Dichloropropene	50.7	µg/L	1	50.0	<0.356	101	85.9 - 119
Benzene	50.5	µg/L	1	50.0	<0.356	101	83.5 - 115
Carbon Tetrachloride	52.0	µg/L	1	50.0	<0.342	104	62.7 - 144
1,2-Dichloropropane	51.8	µg/L	1	50.0	<0.366	104	88.8 - 114
Trichloroethene (TCE)	50.3	µg/L	1	50.0	<0.434	101	91.3 - 111
Dibromomethane (methylene bromide)	51.5	µg/L	1	50.0	<0.406	103	84.2 - 118
Bromodichloromethane	51.8	µg/L	1	50.0	<0.325	104	79.5 - 127
2-Chloroethyl vinyl ether	52.5	µg/L	1	50.0	<0.366	105	75.1 - 128
cis-1,3-Dichloropropene	53.7	µg/L	1	50.0	<0.387	107	83.2 - 119
trans-1,3-Dichloropropene	54.3	µg/L	1	50.0	<0.367	109	77.4 - 126
Toluene	48.4	µg/L	1	50.0	<0.366	97	82 - 110
1,1,2-Trichloroethane	49.2	µg/L	1	50.0	<0.397	98	77 - 123
1,3-Dichloropropane	50.6	µg/L	1	50.0	<0.355	101	81.1 - 124
Dibromochloromethane	51.8	µg/L	1	50.0	<0.315	104	79 - 129
1,2-Dibromoethane (EDB)	51.1	µg/L	1	50.0	<0.340	102	78.6 - 126
Tetrachloroethene (PCE)	49.6	µg/L	1	50.0	<0.355	99	36.7 - 173
Chlorobenzene	47.9	µg/L	1	50.0	<0.363	96	87.9 - 109
1,1,1,2-Tetrachloroethane	51.8	µg/L	1	50.0	<0.338	104	80.5 - 125
Ethylbenzene	50.6	µg/L	1	50.0	<0.350	101	82.4 - 116
m,p-Xylene	102	µg/L	1	100	<0.752	102	80 - 119
Bromoform	54.7	µg/L	1	50.0	<0.275	109	75.8 - 132

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Styrene	53.5	µg/L	1	50.0	<0.395	107	84.2 - 117
o-Xylene	52.0	µg/L	1	50.0	<0.375	104	82.1 - 119
1,1,2,2-Tetrachloroethane	52.0	µg/L	1	50.0	<0.283	104	69.7 - 124
2-Chlorotoluene	47.8	µg/L	1	50.0	<0.445	96	76.5 - 123
1,2,3-Trichloropropane	48.3	µg/L	1	50.0	<0.430	97	66.3 - 130
Isopropylbenzene	47.7	µg/L	1	50.0	<0.521	95	78.3 - 123
Bromobenzene	47.4	µg/L	1	50.0	<0.494	95	79.9 - 122
n-Propylbenzene	47.5	µg/L	1	50.0	<0.483	95	72.6 - 122
1,3,5-Trimethylbenzene	48.7	µg/L	1	50.0	<0.487	97	69.6 - 127
tert-Butylbenzene	48.8	µg/L	1	50.0	<0.496	98	64 - 129
1,2,4-Trimethylbenzene	49.7	µg/L	1	50.0	<0.532	99	71 - 123
1,4-Dichlorobenzene (para)	47.0	µg/L	1	50.0	<0.413	94	74 - 118
sec-Butylbenzene	48.7	µg/L	1	50.0	<0.449	97	59.8 - 129
1,3-Dichlorobenzene (meta)	48.1	µg/L	1	50.0	<0.451	96	80.2 - 119
p-Isopropyltoluene	49.5	µg/L	1	50.0	<0.450	99	54.8 - 135
4-Chlorotoluene	48.0	µg/L	1	50.0	<0.489	96	78.9 - 124
1,2-Dichlorobenzene (ortho)	49.6	µg/L	1	50.0	<0.438	99	80 - 120
n-Butylbenzene	50.4	µg/L	1	50.0	<0.461	101	51.1 - 136
1,2-Dibromo-3-chloropropane	54.1	µg/L	1	50.0	<0.532	108	38.2 - 151
1,2,3-Trichlorobenzene	64.2	µg/L	1	50.0	<0.288	128	25.4 - 158
1,2,4-Trichlorobenzene	54.4	µg/L	1	50.0	<0.273	109	38.2 - 140
Naphthalene	66.9	µg/L	1	50.0	<0.299	134	33.3 - 152
Hexachlorobutadiene	47.3	µg/L	1	50.0	<0.483	95	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	51.8	µg/L	1	50.0	<0.351	104	85.7 - 113	1	20
Dichlorodifluoromethane	48.1	µg/L	1	50.0	<0.306	96	60.3 - 134	1	20
Chloromethane (methyl chloride)	50.4	µg/L	1	50.0	<0.240	101	72 - 120	2	20
Vinyl Chloride	51.6	µg/L	1	50.0	<0.224	103	64.4 - 132	2	20
Bromomethane (methyl bromide)	52.6	µg/L	1	50.0	<0.325	105	65.9 - 133	1	20
Chloroethane	51.8	µg/L	1	50.0	<0.303	104	65.3 - 132	1	20
Trichlorofluoromethane	54.6	µg/L	1	50.0	<0.255	109	52.7 - 159	1	20
Acetone [4]	56.8	µg/L	1	50.0	<1.86	114	10 - 185	28	20
Iodomethane (methyl iodide)	51.5	µg/L	1	50.0	<0.397	103	80.9 - 112	1	20
Carbon Disulfide	50.4	µg/L	1	50.0	<0.354	101	73.7 - 120	1	20
Acrylonitrile	54.2	µg/L	1	50.0	<0.306	108	75.8 - 121	2	20
2-Butanone (MEK)	52.4	µg/L	1	50.0	<0.670	105	43.7 - 117	8	20
4-Methyl-2-pentanone (MIBK)	53.4	µg/L	1	50.0	<0.463	107	69.3 - 120	2	20
2-Hexanone	58.3	µg/L	1	50.0	<0.303	117	35.6 - 138	3	20
trans 1,4-Dichloro-2-butene	52.8	µg/L	1	50.0	<0.407	106	40 - 128	3	20
1,1-Dichloroethene	49.7	µg/L	1	50.0	<0.326	99	83.4 - 114	0	20
Methylene chloride	49.9	µg/L	1	50.0	<0.375	100	62.6 - 119	2	20
MTBE	52.2	µg/L	1	50.0	<0.352	104	70 - 132	0	20
trans-1,2-Dichloroethene	50.4	µg/L	1	50.0	<0.322	101	83.3 - 114	0	20
1,1-Dichloroethane	50.8	µg/L	1	50.0	<0.324	102	81 - 124	0	20
cis-1,2-Dichloroethene	51.3	µg/L	1	50.0	<0.331	103	83.8 - 115	0	20
2,2-Dichloropropane	52.8	µg/L	1	50.0	<0.440	106	37.9 - 136	2	20

continued ...

[4] RPD out of control due to purging characteristics of ketones. •

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2-Dichloroethane (EDC)	51.2	μg/L	1	50.0	<0.327	102	67.8 - 131	1	20
Chloroform	51.1	μg/L	1	50.0	<0.345	102	75.1 - 125	0	20
1,1,1-Trichloroethane	50.5	μg/L	1	50.0	<0.303	101	72.9 - 123	0	20
1,1-Dichloropropene	50.6	μg/L	1	50.0	<0.356	101	85.9 - 119	0	20
Benzene	50.3	μg/L	1	50.0	<0.356	101	83.5 - 115	0	20
Carbon Tetrachloride	51.9	μg/L	1	50.0	<0.342	104	62.7 - 144	0	20
1,2-Dichloropropane	51.3	μg/L	1	50.0	<0.366	103	88.8 - 114	1	20
Trichloroethene (TCE)	50.6	μg/L	1	50.0	<0.434	101	91.3 - 111	1	20
Dibromomethane (methylene bromide)	51.4	μg/L	1	50.0	<0.406	103	84.2 - 118	0	20
Bromodichloromethane	51.5	μg/L	1	50.0	<0.325	103	79.5 - 127	1	20
2-Chloroethyl vinyl ether	52.0	μg/L	1	50.0	<0.366	104	75.1 - 128	1	20
cis-1,3-Dichloropropene	53.2	μg/L	1	50.0	<0.387	106	83.2 - 119	1	20
trans-1,3-Dichloropropene	53.6	μg/L	1	50.0	<0.367	107	77.4 - 126	1	20
Toluene	48.5	μg/L	1	50.0	<0.366	97	82 - 110	0	20
1,1,2-Trichloroethane	49.6	μg/L	1	50.0	<0.397	99	77 - 123	1	20
1,3-Dichloropropane	50.6	μg/L	1	50.0	<0.355	101	81.1 - 124	0	20
Dibromochloromethane	52.0	μg/L	1	50.0	<0.315	104	79 - 129	0	20
1,2-Dibromoethane (EDB)	51.5	μg/L	1	50.0	<0.340	103	78.6 - 126	1	20
Tetrachloroethene (PCE)	49.8	μg/L	1	50.0	<0.355	100	36.7 - 173	0	20
Chlorobenzene	48.1	μg/L	1	50.0	<0.363	96	87.9 - 109	0	20
1,1,1,2-Tetrachloroethane	51.7	μg/L	1	50.0	<0.338	103	80.5 - 125	0	20
Ethylbenzene	49.8	μg/L	1	50.0	<0.350	100	82.4 - 116	2	20
m,p-Xylene	101	μg/L	1	100	<0.752	101	80 - 119	1	20
Bromoform	55.5	μg/L	1	50.0	<0.275	111	75.8 - 132	1	20
Styrene	53.7	μg/L	1	50.0	<0.395	107	84.2 - 117	0	20
o-Xylene	51.4	μg/L	1	50.0	<0.375	103	82.1 - 119	1	20
1,1,2,2-Tetrachloroethane	51.6	μg/L	1	50.0	<0.283	103	69.7 - 124	1	20
2-Chlorotoluene	48.5	μg/L	1	50.0	<0.445	97	76.5 - 123	1	20
1,2,3-Trichloropropane	48.9	μg/L	1	50.0	<0.430	98	66.3 - 130	1	20
Isopropylbenzene	49.0	μg/L	1	50.0	<0.521	98	78.3 - 123	3	20
Bromobenzene	48.3	μg/L	1	50.0	<0.494	97	79.9 - 122	2	20
n-Propylbenzene	48.2	μg/L	1	50.0	<0.483	96	72.6 - 122	2	20
1,3,5-Trimethylbenzene	49.3	μg/L	1	50.0	<0.487	99	69.6 - 127	1	20
tert-Butylbenzene	49.1	μg/L	1	50.0	<0.496	98	64 - 129	1	20
1,2,4-Trimethylbenzene	50.1	μg/L	1	50.0	<0.532	100	71 - 123	1	20
1,4-Dichlorobenzene (para)	47.3	μg/L	1	50.0	<0.413	95	74 - 118	1	20
sec-Butylbenzene	49.2	μg/L	1	50.0	<0.449	98	59.8 - 129	1	20
1,3-Dichlorobenzene (meta)	49.1	μg/L	1	50.0	<0.451	98	80.2 - 119	2	20
p-Isopropyltoluene	50.2	μg/L	1	50.0	<0.450	100	54.8 - 135	1	20
4-Chlorotoluene	49.0	μg/L	1	50.0	<0.489	98	78.9 - 124	2	20
1,2-Dichlorobenzene (ortho)	50.2	μg/L	1	50.0	<0.438	100	80 - 120	1	20
n-Butylbenzene	50.5	μg/L	1	50.0	<0.461	101	51.1 - 136	0	20
1,2-Dibromo-3-chloropropane	53.6	μg/L	1	50.0	<0.532	107	38.2 - 151	1	20
1,2,3-Trichlorobenzene	65.0	μg/L	1	50.0	<0.288	130	25.4 - 158	1	20
1,2,4-Trichlorobenzene	55.2	μg/L	1	50.0	<0.273	110	38.2 - 140	1	20
Naphthalene	67.3	μg/L	1	50.0	<0.299	135	33.3 - 152	1	20
Hexachlorobutadiene	49.1	μg/L	1	50.0	<0.483	98	49.1 - 134	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	52.7	52.0	μg/L	1	50.0	105	104	82.4 - 115
Toluene-d8	50.1	50.0	μg/L	1	50.0	100	100	89.7 - 108
4-Bromofluorobenzene (4-BFB)	50.6	50.0	μg/L	1	50.0	101	100	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 38997 Date Analyzed: 2007-07-10 Analyzed By: JG
Prep Batch: 33754 QC Preparation: 2007-07-10 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	47.3	μg/L	1	50.0	<0.351	95	85.7 - 113
Dichlorodifluoromethane	42.2	μg/L	1	50.0	<0.306	84	60.3 - 134
Chloromethane (methyl chloride)	37.9	μg/L	1	50.0	<0.240	76	72 - 120
Vinyl Chloride	39.6	μg/L	1	50.0	<0.224	79	64.4 - 132
Bromomethane (methyl bromide)	35.0	μg/L	1	50.0	<0.325	70	65.9 - 133
Chloroethane	35.6	μg/L	1	50.0	<0.303	71	65.3 - 132
Trichlorofluoromethane	45.1	μg/L	1	50.0	<0.255	90	52.7 - 159
Acetone	28.9	μg/L	1	50.0	<1.86	58	10 - 185
Iodomethane (methyl iodide)	48.3	μg/L	1	50.0	<0.397	97	80.9 - 112
Carbon Disulfide	42.0	μg/L	1	50.0	<0.354	84	73.7 - 120
Acrylonitrile	44.2	μg/L	1	50.0	<0.306	88	75.8 - 121
2-Butanone (MEK)	40.8	μg/L	1	50.0	<0.670	82	43.7 - 117
4-Methyl-2-pentanone (MIBK)	50.0	μg/L	1	50.0	<0.463	100	69.3 - 120
2-Hexanone	41.0	μg/L	1	50.0	<0.303	82	35.6 - 138
trans 1,4-Dichloro-2-butene	45.3	μg/L	1	50.0	<0.407	91	40 - 128
1,1-Dichloroethene	44.4	μg/L	1	50.0	<0.326	89	83.4 - 114
Methylene chloride	42.5	μg/L	1	50.0	<0.375	85	62.6 - 119
MTBE	44.7	μg/L	1	50.0	<0.352	89	70 - 132
trans-1,2-Dichloroethene	43.6	μg/L	1	50.0	<0.322	87	83.3 - 114
1,1-Dichloroethane	42.0	μg/L	1	50.0	<0.324	84	81 - 124
cis-1,2-Dichloroethene	45.2	μg/L	1	50.0	<0.331	90	83.8 - 115
2,2-Dichloropropane	45.7	μg/L	1	50.0	<0.440	91	37.9 - 136
1,2-Dichloroethane (EDC)	39.4	μg/L	1	50.0	<0.327	79	67.8 - 131
Chloroform	41.8	μg/L	1	50.0	<0.345	84	75.1 - 125
1,1,1-Trichloroethane	42.6	μg/L	1	50.0	<0.303	85	72.9 - 123
1,1-Dichloropropene	45.2	μg/L	1	50.0	<0.356	90	85.9 - 119
Benzene	45.6	μg/L	1	50.0	<0.356	91	83.5 - 115
Carbon Tetrachloride	45.9	μg/L	1	50.0	<0.342	92	62.7 - 144
1,2-Dichloropropane	44.9	μg/L	1	50.0	<0.366	90	88.8 - 114
Trichloroethene (TCE)	50.1	μg/L	1	50.0	<0.434	100	91.3 - 111
Dibromomethane (methylene bromide)	46.3	μg/L	1	50.0	<0.406	93	84.2 - 118
Bromodichloromethane	45.8	μg/L	1	50.0	<0.325	92	79.5 - 127
2-Chloroethyl vinyl ether	45.5	μg/L	1	50.0	<0.366	91	75.1 - 128
cis-1,3-Dichloropropene	48.8	μg/L	1	50.0	<0.387	98	83.2 - 119
trans-1,3-Dichloropropene	47.3	μg/L	1	50.0	<0.367	95	77.4 - 126
Toluene	44.1	μg/L	1	50.0	<0.366	88	82 - 110
1,1,2-Trichloroethane	45.7	μg/L	1	50.0	<0.397	91	77 - 123
1,3-Dichloropropane	45.2	μg/L	1	50.0	<0.355	90	81.1 - 124
Dibromochloromethane	49.8	μg/L	1	50.0	<0.315	100	79 - 129

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,2-Dibromoethane (EDB)	50.6	µg/L	1	50.0	<0.340	101	78.6 - 126
Tetrachloroethene (PCE)	49.7	µg/L	1	50.0	<0.355	99	36.7 - 173
Chlorobenzene	46.6	µg/L	1	50.0	<0.363	93	87.9 - 109
1,1,1,2-Tetrachloroethane	48.5	µg/L	1	50.0	<0.338	97	80.5 - 125
Ethylbenzene	45.3	µg/L	1	50.0	<0.350	91	82.4 - 116
m,p-Xylene	91.0	µg/L	1	100	<0.752	91	80 - 119
Bromoform	52.8	µg/L	1	50.0	<0.275	106	75.8 - 132
Styrene	50.3	µg/L	1	50.0	<0.395	101	84.2 - 117
o-Xylene	46.6	µg/L	1	50.0	<0.375	93	82.1 - 119
1,1,2,2-Tetrachloroethane	46.1	µg/L	1	50.0	<0.283	92	69.7 - 124
2-Chlorotoluene	43.9	µg/L	1	50.0	<0.445	88	76.5 - 123
1,2,3-Trichloropropane	44.6	µg/L	1	50.0	<0.430	89	66.3 - 130
Isopropylbenzene	46.3	µg/L	1	50.0	<0.521	93	78.3 - 123
Bromobenzene	43.8	µg/L	1	50.0	<0.494	88	79.9 - 122
n-Propylbenzene	43.1	µg/L	1	50.0	<0.483	86	72.6 - 122
1,3,5-Trimethylbenzene	45.6	µg/L	1	50.0	<0.487	91	69.6 - 127
tert-Butylbenzene	47.1	µg/L	1	50.0	<0.496	94	64 - 129
1,2,4-Trimethylbenzene	46.7	µg/L	1	50.0	<0.532	93	71 - 123
1,4-Dichlorobenzene (para)	45.8	µg/L	1	50.0	<0.413	92	74 - 118
sec-Butylbenzene	45.5	µg/L	1	50.0	<0.449	91	59.8 - 129
1,3-Dichlorobenzene (meta)	47.6	µg/L	1	50.0	<0.451	95	80.2 - 119
p-Isopropyltoluene	47.9	µg/L	1	50.0	<0.450	96	54.8 - 135
4-Chlorotoluene	45.1	µg/L	1	50.0	<0.489	90	78.9 - 124
1,2-Dichlorobenzene (ortho)	48.7	µg/L	1	50.0	<0.438	97	80 - 120
n-Butylbenzene	46.0	µg/L	1	50.0	<0.461	92	51.1 - 136
1,2-Dibromo-3-chloropropane	49.7	µg/L	1	50.0	<0.532	99	38.2 - 151
1,2,3-Trichlorobenzene	59.3	µg/L	1	50.0	<0.288	119	25.4 - 158
1,2,4-Trichlorobenzene	54.5	µg/L	1	50.0	<0.273	109	38.2 - 140
Naphthalene	62.2	µg/L	1	50.0	<0.299	124	33.3 - 152
Hexachlorobutadiene	53.6	µg/L	1	50.0	<0.483	107	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	48.0	µg/L	1	50.0	<0.351	96	85.7 - 113	2	20
Dichlorodifluoromethane	42.4	µg/L	1	50.0	<0.306	85	60.3 - 134	0	20
Chloromethane (methyl chloride)	38.4	µg/L	1	50.0	<0.240	77	72 - 120	1	20
Vinyl Chloride	39.4	µg/L	1	50.0	<0.224	79	64.4 - 132	0	20
Bromomethane (methyl bromide)	37.3	µg/L	1	50.0	<0.325	75	65.9 - 133	6	20
Chloroethane	37.0	µg/L	1	50.0	<0.303	74	65.3 - 132	4	20
Trichlorofluoromethane	45.2	µg/L	1	50.0	<0.255	90	52.7 - 159	0	20
Acetone	31.8	µg/L	1	50.0	<1.86	64	10 - 185	10	20
Iodomethane (methyl iodide)	48.6	µg/L	1	50.0	<0.397	97	80.9 - 112	1	20
Carbon Disulfide	42.1	µg/L	1	50.0	<0.354	84	73.7 - 120	0	20
Acrylonitrile	45.3	µg/L	1	50.0	<0.306	91	75.8 - 121	2	20
2-Butanone (MEK)	43.1	µg/L	1	50.0	<0.670	86	43.7 - 117	6	20
4-Methyl-2-pentanone (MIBK)	50.9	µg/L	1	50.0	<0.463	102	69.3 - 120	2	20
2-Hexanone	41.6	µg/L	1	50.0	<0.303	83	35.6 - 138	1	20
trans 1,4-Dichloro-2-butene	44.5	µg/L	1	50.0	<0.407	89	40 - 128	2	20
1,1-Dichloroethene	44.6	µg/L	1	50.0	<0.326	89	83.4 - 114	0	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Methylene chloride	42.6	µg/L	1	50.0	<0.375	85	62.6 - 119	0	20
MTBE	45.3	µg/L	1	50.0	<0.352	91	70 - 132	1	20
trans-1,2-Dichloroethene	44.4	µg/L	1	50.0	<0.322	89	83.3 - 114	2	20
1,1-Dichloroethane	42.2	µg/L	1	50.0	<0.324	84	81 - 124	0	20
cis-1,2-Dichloroethene	45.7	µg/L	1	50.0	<0.331	91	83.8 - 115	1	20
2,2-Dichloropropane	45.1	µg/L	1	50.0	<0.440	90	37.9 - 136	1	20
1,2-Dichloroethane (EDC)	39.9	µg/L	1	50.0	<0.327	80	67.8 - 131	1	20
Chloroform	42.3	µg/L	1	50.0	<0.345	85	75.1 - 125	1	20
1,1,1-Trichloroethane	43.4	µg/L	1	50.0	<0.303	87	72.9 - 123	2	20
1,1-Dichloropropene	45.3	µg/L	1	50.0	<0.356	91	85.9 - 119	0	20
Benzene	45.8	µg/L	1	50.0	<0.356	92	83.5 - 115	0	20
Carbon Tetrachloride	47.0	µg/L	1	50.0	<0.342	94	62.7 - 144	2	20
1,2-Dichloropropane	45.2	µg/L	1	50.0	<0.366	90	88.8 - 114	1	20
Trichloroethene (TCE)	50.3	µg/L	1	50.0	<0.434	101	91.3 - 111	0	20
Dibromomethane (methylene bromide)	46.8	µg/L	1	50.0	<0.406	94	84.2 - 118	1	20
Bromodichloromethane	46.7	µg/L	1	50.0	<0.325	93	79.5 - 127	2	20
2-Chloroethyl vinyl ether	45.8	µg/L	1	50.0	<0.366	92	75.1 - 128	1	20
cis-1,3-Dichloropropene	49.1	µg/L	1	50.0	<0.387	98	83.2 - 119	1	20
trans-1,3-Dichloropropene	48.2	µg/L	1	50.0	<0.367	96	77.4 - 126	2	20
Toluene	44.5	µg/L	1	50.0	<0.366	89	82 - 110	1	20
1,1,2-Trichloroethane	46.0	µg/L	1	50.0	<0.397	92	77 - 123	1	20
1,3-Dichloropropane	45.6	µg/L	1	50.0	<0.355	91	81.1 - 124	1	20
Dibromochloromethane	51.1	µg/L	1	50.0	<0.315	102	79 - 129	3	20
1,2-Dibromoethane (EDB)	51.2	µg/L	1	50.0	<0.340	102	78.6 - 126	1	20
Tetrachloroethene (PCE)	50.0	µg/L	1	50.0	<0.355	100	36.7 - 173	1	20
Chlorobenzene	46.8	µg/L	1	50.0	<0.363	94	87.9 - 109	0	20
1,1,1,2-Tetrachloroethane	49.3	µg/L	1	50.0	<0.338	99	80.5 - 125	2	20
Ethylbenzene	46.1	µg/L	1	50.0	<0.350	92	82.4 - 116	2	20
m,p-Xylene	91.8	µg/L	1	100	<0.752	92	80 - 119	1	20
Bromoform	54.5	µg/L	1	50.0	<0.275	109	75.8 - 132	3	20
Styrene	51.2	µg/L	1	50.0	<0.395	102	84.2 - 117	2	20
o-Xylene	47.5	µg/L	1	50.0	<0.375	95	82.1 - 119	2	20
1,1,2,2-Tetrachloroethane	47.0	µg/L	1	50.0	<0.283	94	69.7 - 124	2	20
2-Chlorotoluene	44.7	µg/L	1	50.0	<0.445	89	76.5 - 123	2	20
1,2,3-Trichloropropane	45.0	µg/L	1	50.0	<0.430	90	66.3 - 130	1	20
Isopropylbenzene	46.9	µg/L	1	50.0	<0.521	94	78.3 - 123	1	20
Bromobenzene	44.3	µg/L	1	50.0	<0.494	89	79.9 - 122	1	20
n-Propylbenzene	43.9	µg/L	1	50.0	<0.483	88	72.6 - 122	2	20
1,3,5-Trimethylbenzene	46.4	µg/L	1	50.0	<0.487	93	69.6 - 127	2	20
tert-Butylbenzene	47.9	µg/L	1	50.0	<0.496	96	64 - 129	2	20
1,2,4-Trimethylbenzene	47.2	µg/L	1	50.0	<0.532	94	71 - 123	1	20
1,4-Dichlorobenzene (para)	46.6	µg/L	1	50.0	<0.413	93	74 - 118	2	20
sec-Butylbenzene	46.2	µg/L	1	50.0	<0.449	92	59.8 - 129	2	20
1,3-Dichlorobenzene (meta)	48.0	µg/L	1	50.0	<0.451	96	80.2 - 119	1	20
p-Isopropyltoluene	48.1	µg/L	1	50.0	<0.450	96	54.8 - 135	0	20
4-Chlorotoluene	45.9	µg/L	1	50.0	<0.489	92	78.9 - 124	2	20
1,2-Dichlorobenzene (ortho)	49.4	µg/L	1	50.0	<0.438	99	80 - 120	1	20
n-Butylbenzene	46.4	µg/L	1	50.0	<0.461	93	51.1 - 136	1	20
1,2-Dibromo-3-chloropropane	51.9	µg/L	1	50.0	<0.532	104	38.2 - 151	4	20
1,2,3-Trichlorobenzene	63.7	µg/L	1	50.0	<0.288	127	25.4 - 158	7	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2,4-Trichlorobenzene	56.4	μg/L	1	50.0	<0.273	113	38.2 - 140	3	20
Naphthalene	66.6	μg/L	1	50.0	<0.299	133	33.3 - 152	7	20
Hexachlorobutadiene	54.0	μg/L	1	50.0	<0.483	108	49.1 - 134	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	44.7	45.0	μg/L	1	50.0	89	90	82.4 - 115
Toluene-d8	47.2	47.7	μg/L	1	50.0	94	95	89.7 - 108
4-Bromofluorobenzene (4-BFB)	47.4	47.7	μg/L	1	50.0	95	95	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 39096 Date Analyzed: 2007-07-12 Analyzed By: DS
Prep Batch: 33841 QC Preparation: 2007-07-10 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.0204	mg/L	1	0.0800	0	26	10 - 46.1
2-Chlorophenol	0.0605	mg/L	1	0.0800	0	76	10 - 123
1,4-Dichlorobenzene (para)	0.0547	mg/L	1	0.0800	0	68	10 - 118
N-Nitrosodi-n-propylamine	0.0719	mg/L	1	0.0800	0	90	10 - 132
1,2,4-Trichlorobenzene	0.0649	mg/L	1	0.0800	0	81	10 - 130
Naphthalene	0.0642	mg/L	1	0.0800	0	80	20.3 - 121
4-Chloro-3-methylphenol	0.0525	mg/L	1	0.0800	0	66	10 - 140
Acenaphthylene	0.0747	mg/L	1	0.0800	0	93	22.3 - 124
Acenaphthene	0.0692	mg/L	1	0.0800	0	86	18.8 - 134
Dibenzofuran	0.0745	mg/L	1	0.0800	0	93	37.5 - 102
4-Nitrophenol	0.0213	mg/L	1	0.0800	0	27	10 - 135
2,4-Dinitrotoluene	0.0872	mg/L	1	0.0800	0	109	13.6 - 152
Fluorene	0.0748	mg/L	1	0.0800	0	94	29.7 - 114
Pentachlorophenol	0.0669	mg/L	1	0.0800	0	84	10 - 144
Anthracene	0.0710	mg/L	1	0.0800	0	89	48.2 - 118
Phenanthrene	0.0693	mg/L	1	0.0800	0	87	45.5 - 121
Fluoranthene	0.0767	mg/L	1	0.0800	0	96	42.7 - 126
Pyrene	0.0653	mg/L	1	0.0800	0	82	26.8 - 155
Benzo(a)anthracene	0.0641	mg/L	1	0.0800	0	80	60.2 - 97.3
Chrysene	0.0639	mg/L	1	0.0800	0	80	56 - 92.4
Benzo(b)fluoranthene	0.0635	mg/L	1	0.0800	0	79	73.9 - 102
Benzo(k)fluoranthene	0.0673	mg/L	1	0.0800	0	84	45.6 - 143
Benzo(a)pyrene	0.0731	mg/L	1	0.0800	0	91	54.8 - 122
Indeno(1,2,3-cd)pyrene	0.0810	mg/L	1	0.0800	0	101	61.4 - 118
Dibenzo(a,h)anthracene	0.0796	mg/L	1	0.0800	0	100	64.9 - 118
Benzo(g,h,i)perylene	0.0779	mg/L	1	0.0800	0	97	46.8 - 129

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.0201	mg/L	1	0.0800	0	25	10 - 46.1	2	20
2-Chlorophenol	0.0602	mg/L	1	0.0800	0	75	10 - 123	0	20
1,4-Dichlorobenzene (para)	0.0558	mg/L	1	0.0800	0	70	10 - 118	2	20
N-Nitrosodi-n-propylamine	0.0673	mg/L	1	0.0800	0	84	10 - 132	7	20
1,2,4-Trichlorobenzene	0.0654	mg/L	1	0.0800	0	82	10 - 130	1	20
Naphthalene	0.0646	mg/L	1	0.0800	0	81	20.3 - 121	1	20
4-Chloro-3-methylphenol	0.0558	mg/L	1	0.0800	0	70	10 - 140	6	20
Acenaphthylene	0.0738	mg/L	1	0.0800	0	92	22.3 - 124	1	20
Acenaphthene	0.0688	mg/L	1	0.0800	0	86	18.8 - 134	1	20
Dibenzofuran	0.0740	mg/L	1	0.0800	0	92	37.5 - 102	1	20
4-Nitrophenol	0.0188	mg/L	1	0.0800	0	24	10 - 135	12	20
2,4-Dinitrotoluene	0.0819	mg/L	1	0.0800	0	102	13.6 - 152	6	20
Fluorene	0.0748	mg/L	1	0.0800	0	94	29.7 - 114	0	20
Pentachlorophenol	0.0623	mg/L	1	0.0800	0	78	10 - 144	7	20
Anthracene	0.0709	mg/L	1	0.0800	0	89	48.2 - 118	0	20
Phenanthrene	0.0697	mg/L	1	0.0800	0	87	45.5 - 121	1	20
Fluoranthene	0.0747	mg/L	1	0.0800	0	93	42.7 - 126	3	20
Pyrene	0.0625	mg/L	1	0.0800	0	78	26.8 - 155	4	20
Benzo(a)anthracene	0.0643	mg/L	1	0.0800	0	80	60.2 - 97.3	0	20
Chrysene	0.0647	mg/L	1	0.0800	0	81	56 - 92.4	1	20
Benzo(b)fluoranthene	0.0692	mg/L	1	0.0800	0	86	73.9 - 102	9	20
Benzo(k)fluoranthene	0.0701	mg/L	1	0.0800	0	88	45.6 - 143	4	20
Benzo(a)pyrene	0.0773	mg/L	1	0.0800	0	97	54.8 - 122	6	20
Indeno(1,2,3-cd)pyrene	0.0842	mg/L	1	0.0800	0	105	61.4 - 118	4	20
Dibenzo(a,h)anthracene	0.0819	mg/L	1	0.0800	0	102	64.9 - 118	3	20
Benzo(g,h,i)perylene	0.0801	mg/L	1	0.0800	0	100	46.8 - 129	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0326	0.0318	mg/L	1	0.0800	41	40	10 - 109
Phenol-d5	0.0216	0.0215	mg/L	1	0.0800	27	27	10 - 61.5
Nitrobenzene-d5	0.0747	0.0743	mg/L	1	0.0800	93	93	10 - 139
2-Fluorobiphenyl	0.0819	0.0792	mg/L	1	0.0800	102	99	10 - 139
2,4,6-Tribromophenol	0.0997	0.0979	mg/L	1	0.0800	125	122	10 - 161
Terphenyl-d14	0.0780	0.0742	mg/L	1	0.0800	98	93	10 - 144

Matrix Spike (MS-1) Spiked Sample: 129385

QC Batch:	38934	Date Analyzed:	2007-07-11	Analyzed By:	TG
Prep Batch:	33698	QC Preparation:	2007-07-10	Prepared By:	TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	17.8	mg/L	1	25.0	<1.06	71	61.9 - 112.2

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	17.0	mg/L	1	25.0	<1.06	68	61.9 - 112.2	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	24.2	18.5	mg/L	1	15	161	123	40.7 - 174

Matrix Spike (MS-1) Spiked Sample: 129305

QC Batch: 38997 Date Analyzed: 2007-07-10 Analyzed By: JG
Prep Batch: 33754 QC Preparation: 2007-07-10 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	52.1	µg/L	1	50.0	<0.0699	104	82.5 - 118
Dichlorodifluoromethane	44.8	µg/L	1	50.0	<0.0598	90	46.8 - 125
Chloromethane (methyl chloride)	48.5	µg/L	1	50.0	<0.230	97	67.1 - 127
Vinyl Chloride	48.6	µg/L	1	50.0	<0.0902	97	63.7 - 129
Bromomethane (methyl bromide)	50.6	µg/L	1	50.0	<0.740	101	65.7 - 127
Chloroethane	50.7	µg/L	1	50.0	<0.195	101	69.9 - 131
Trichlorofluoromethane	52.4	µg/L	1	50.0	<0.160	105	60.2 - 134
Acetone	49.1	µg/L	1	50.0	<0.854	98	12.1 - 136
Iodomethane (methyl iodide)	50.1	µg/L	1	50.0	<0.112	100	75.7 - 115
Carbon Disulfide	50.3	µg/L	1	50.0	<0.0764	101	67.6 - 131
Acrylonitrile	54.5	µg/L	1	50.0	<0.184	109	79.9 - 131
2-Butanone (MEK)	50.5	µg/L	1	50.0	<0.394	101	28.7 - 137
4-Methyl-2-pentanone (MIBK)	52.9	µg/L	1	50.0	<0.484	106	77.1 - 122
2-Hexanone	53.8	µg/L	1	50.0	<0.0975	108	42.3 - 145
trans 1,4-Dichloro-2-butene	45.9	µg/L	1	50.0	<0.421	92	38.5 - 122
1,1-Dichloroethene	50.0	µg/L	1	50.0	<0.0736	100	78.7 - 119
Methylene chloride	48.7	µg/L	1	50.0	<0.689	97	64.9 - 121
MTBE	52.2	µg/L	1	50.0	<0.0504	104	46.6 - 162
trans-1,2-Dichloroethene	50.6	µg/L	1	50.0	<0.0598	101	75.1 - 119
1,1-Dichloroethane	51.1	µg/L	1	50.0	<0.0299	102	86.3 - 119
cis-1,2-Dichloroethene	51.4	µg/L	1	50.0	<0.101	103	82.6 - 116
2,2-Dichloropropane	31.9	µg/L	1	50.0	<0.0665	64	7.8 - 109
1,2-Dichloroethane (EDC)	51.7	µg/L	1	50.0	<0.0557	103	82.7 - 130
Chloroform	51.4	µg/L	1	50.0	<0.0475	103	83.6 - 119
1,1,1-Trichloroethane	50.6	µg/L	1	50.0	<0.0846	101	69.6 - 126
1,1-Dichloropropene	50.1	µg/L	1	50.0	<0.0423	100	79.2 - 121
Benzene	50.6	µg/L	1	50.0	<0.0495	101	75.8 - 125
Carbon Tetrachloride	50.8	µg/L	1	50.0	<0.121	102	58.7 - 143
1,2-Dichloropropane	51.2	µg/L	1	50.0	<0.0933	102	88.4 - 117
Trichloroethene (TCE)	49.4	µg/L	1	50.0	<0.0495	99	83.6 - 112
Dibromomethane (methylene bromide)	50.7	µg/L	1	50.0	<0.0640	101	90.7 - 117
Bromodichloromethane	50.8	µg/L	1	50.0	<0.0651	102	83.4 - 127
2-Chloroethyl vinyl ether	51.9	µg/L	1	50.0	<0.0905	104	10 - 211
cis-1,3-Dichloropropene	49.2	µg/L	1	50.0	<0.0640	98	78.6 - 113
trans-1,3-Dichloropropene	49.5	µg/L	1	50.0	<0.0504	99	81.8 - 113
Toluene	47.8	µg/L	1	50.0	<0.0736	96	81.6 - 115

continued ...

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1,2-Trichloroethane	49.9	µg/L	1	50.0	<0.106	100	83.2 - 122
1,3-Dichloropropane	49.1	µg/L	1	50.0	<0.0625	98	87.3 - 123
Dibromochloromethane	51.5	µg/L	1	50.0	<0.0791	103	81.4 - 130
1,2-Dibromoethane (EDB)	51.1	µg/L	1	50.0	<0.0460	102	91.4 - 118
Tetrachloroethene (PCE) [5]	155	µg/L	1	50.0	<0.0696	310	51.8 - 111
Chlorobenzene	47.8	µg/L	1	50.0	<0.0217	96	83.9 - 113
1,1,1,2-Tetrachloroethane	51.5	µg/L	1	50.0	<0.125	103	79.5 - 127
Ethylbenzene	49.8	µg/L	1	50.0	<0.0566	100	75.4 - 121
m,p-Xylene	101	µg/L	1	100	<0.0363	101	74 - 124
Bromoform	54.2	µg/L	1	50.0	<0.0859	108	77.5 - 134
Styrene	52.7	µg/L	1	50.0	<0.0394	105	10 - 180
o-Xylene	51.6	µg/L	1	50.0	<0.0504	103	75.4 - 126
1,1,2,2-Tetrachloroethane	50.6	µg/L	1	50.0	<0.0672	101	86.4 - 122
2-Chlorotoluene	48.4	µg/L	1	50.0	<0.0283	97	69.2 - 128
1,2,3-Trichloropropane	47.8	µg/L	1	50.0	<0.0679	96	75.8 - 121
Isopropylbenzene	48.7	µg/L	1	50.0	<0.0406	97	69.6 - 127
Bromobenzene	48.4	µg/L	1	50.0	<0.103	97	77.1 - 125
n-Propylbenzene	47.6	µg/L	1	50.0	<0.0423	95	67.1 - 125
1,3,5-Trimethylbenzene	48.3	µg/L	1	50.0	<0.0557	97	66.1 - 126
tert-Butylbenzene	48.8	µg/L	1	50.0	<0.0770	98	63.9 - 126
1,2,4-Trimethylbenzene	49.3	µg/L	1	50.0	<0.0336	99	65 - 123
1,4-Dichlorobenzene (para)	46.4	µg/L	1	50.0	<0.0672	93	66.7 - 119
sec-Butylbenzene	47.4	µg/L	1	50.0	<0.0439	95	57.6 - 127
1,3-Dichlorobenzene (meta)	48.1	µg/L	1	50.0	<0.0672	96	78.8 - 118
p-Isopropyltoluene	47.8	µg/L	1	50.0	<0.0513	96	56.6 - 128
4-Chlorotoluene	48.7	µg/L	1	50.0	<0.0460	97	74 - 127
1,2-Dichlorobenzene (ortho)	49.2	µg/L	1	50.0	<0.0629	98	81.2 - 119
n-Butylbenzene	46.7	µg/L	1	50.0	<0.0400	93	50.4 - 130
1,2-Dibromo-3-chloropropane	50.2	µg/L	1	50.0	<0.538	100	55.7 - 152
1,2,3-Trichlorobenzene	50.8	µg/L	1	50.0	<0.504	102	32.6 - 149
1,2,4-Trichlorobenzene	47.9	µg/L	1	50.0	<0.166	96	35.8 - 144
Naphthalene	51.3	µg/L	1	50.0	<0.417	103	36.7 - 156
Hexachlorobutadiene	42.1	µg/L	1	50.0	<0.176	84	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	52.0	µg/L	1	50.0	<0.0699	104	82.5 - 118	0	20
Dichlorodifluoromethane	46.6	µg/L	1	50.0	<0.0598	93	46.8 - 125	4	20
Chloromethane (methyl chloride)	49.8	µg/L	1	50.0	<0.230	100	67.1 - 127	3	20
Vinyl Chloride	50.1	µg/L	1	50.0	<0.0902	100	63.7 - 129	3	20
Bromomethane (methyl bromide)	49.7	µg/L	1	50.0	<0.740	99	65.7 - 127	2	20
Chloroethane	48.9	µg/L	1	50.0	<0.195	98	69.9 - 131	4	20
Trichlorofluoromethane	52.5	µg/L	1	50.0	<0.160	105	60.2 - 134	0	20
Acetone	49.1	µg/L	1	50.0	<0.854	98	12.1 - 136	0	20
Iodomethane (methyl iodide)	50.2	µg/L	1	50.0	<0.112	100	75.7 - 115	0	20
Carbon Disulfide	50.2	µg/L	1	50.0	<0.0764	100	67.6 - 131	0	20
Acrylonitrile	54.2	µg/L	1	50.0	<0.184	108	79.9 - 131	1	20
2-Butanone (MEK)	51.8	µg/L	1	50.0	<0.394	104	28.7 - 137	2	20

continued ...

[5]Spike recovery out of control due to carryover. LCS/LCSD show analysis to be in control. •

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	52.6	µg/L	1	50.0	<0.484	105	77.1 - 122	1	20
2-Hexanone	53.8	µg/L	1	50.0	<0.0975	108	42.3 - 145	0	20
trans 1,4-Dichloro-2-butene	45.0	µg/L	1	50.0	<0.421	90	38.5 - 122	2	20
1,1-Dichloroethene	49.9	µg/L	1	50.0	<0.0736	100	78.7 - 119	0	20
Methylene chloride	48.7	µg/L	1	50.0	<0.689	97	64.9 - 121	0	20
MTBE	52.2	µg/L	1	50.0	<0.0504	104	46.6 - 162	0	20
trans-1,2-Dichloroethene	50.4	µg/L	1	50.0	<0.0598	101	75.1 - 119	0	20
1,1-Dichloroethane	51.4	µg/L	1	50.0	<0.0299	103	86.3 - 119	1	20
cis-1,2-Dichloroethene	51.5	µg/L	1	50.0	<0.101	103	82.6 - 116	0	20
2,2-Dichloropropane	31.3	µg/L	1	50.0	<0.0665	63	7.8 - 109	2	20
1,2-Dichloroethane (EDC)	50.8	µg/L	1	50.0	<0.0557	102	82.7 - 130	2	20
Chloroform	51.2	µg/L	1	50.0	<0.0475	102	83.6 - 119	0	20
1,1,1-Trichloroethane	50.7	µg/L	1	50.0	<0.0846	101	69.6 - 126	0	20
1,1-Dichloropropene	51.3	µg/L	1	50.0	<0.0423	103	79.2 - 121	2	20
Benzene	51.0	µg/L	1	50.0	<0.0495	102	75.8 - 125	1	20
Carbon Tetrachloride	51.5	µg/L	1	50.0	<0.121	103	58.7 - 143	1	20
1,2-Dichloropropane	51.9	µg/L	1	50.0	<0.0933	104	88.4 - 117	1	20
Trichloroethene (TCE)	51.1	µg/L	1	50.0	<0.0495	102	83.6 - 112	3	20
Dibromomethane (methylene bromide)	51.4	µg/L	1	50.0	<0.0640	103	90.7 - 117	1	20
Bromodichloromethane	52.1	µg/L	1	50.0	<0.0651	104	83.4 - 127	2	20
2-Chloroethyl vinyl ether	52.6	µg/L	1	50.0	<0.0905	105	10 - 211	1	20
cis-1,3-Dichloropropene	50.0	µg/L	1	50.0	<0.0640	100	78.6 - 113	2	20
trans-1,3-Dichloropropene	49.9	µg/L	1	50.0	<0.0504	100	81.8 - 113	1	20
Toluene	48.4	µg/L	1	50.0	<0.0736	97	81.6 - 115	1	20
1,1,2-Trichloroethane	50.6	µg/L	1	50.0	<0.106	101	83.2 - 122	1	20
1,3-Dichloropropane	51.3	µg/L	1	50.0	<0.0625	103	87.3 - 123	4	20
Dibromochloromethane	52.7	µg/L	1	50.0	<0.0791	105	81.4 - 130	2	20
1,2-Dibromoethane (EDB)	52.4	µg/L	1	50.0	<0.0460	105	91.4 - 118	2	20
Tetrachloroethene (PCE) [6]	82.7	µg/L	1	50.0	<0.0696	165	51.8 - 111	61	20
Chlorobenzene	48.6	µg/L	1	50.0	<0.0217	97	83.9 - 113	2	20
1,1,1,2-Tetrachloroethane	52.3	µg/L	1	50.0	<0.125	105	79.5 - 127	2	20
Ethylbenzene	50.6	µg/L	1	50.0	<0.0566	101	75.4 - 121	2	20
m,p-Xylene	101	µg/L	1	100	<0.0363	101	74 - 124	0	20
Bromoform	55.1	µg/L	1	50.0	<0.0859	110	77.5 - 134	2	20
Styrene	53.2	µg/L	1	50.0	<0.0394	106	10 - 180	1	20
o-Xylene	51.8	µg/L	1	50.0	<0.0504	104	75.4 - 126	0	20
1,1,2,2-Tetrachloroethane	51.5	µg/L	1	50.0	<0.0672	103	86.4 - 122	2	20
2-Chlorotoluene	49.4	µg/L	1	50.0	<0.0283	99	69.2 - 128	2	20
1,2,3-Trichloropropane	49.1	µg/L	1	50.0	<0.0679	98	75.8 - 121	3	20
Isopropylbenzene	50.0	µg/L	1	50.0	<0.0406	100	69.6 - 127	3	20
Bromobenzene	49.6	µg/L	1	50.0	<0.103	99	77.1 - 125	2	20
n-Propylbenzene	48.6	µg/L	1	50.0	<0.0423	97	67.1 - 125	2	20
1,3,5-Trimethylbenzene	49.1	µg/L	1	50.0	<0.0557	98	66.1 - 126	2	20
tert-Butylbenzene	49.8	µg/L	1	50.0	<0.0770	100	63.9 - 126	2	20
1,2,4-Trimethylbenzene	50.3	µg/L	1	50.0	<0.0336	101	65 - 123	2	20
1,4-Dichlorobenzene (para)	47.4	µg/L	1	50.0	<0.0672	95	66.7 - 119	2	20
sec-Butylbenzene	48.8	µg/L	1	50.0	<0.0439	98	57.6 - 127	3	20
1,3-Dichlorobenzene (meta)	49.1	µg/L	1	50.0	<0.0672	98	78.8 - 118	2	20
p-Isopropyltoluene	49.1	µg/L	1	50.0	<0.0513	98	56.6 - 128	3	20

continued ...

[6] Spike recovery out of control due to carryover. LCS/LCSD show analysis to be in control. •

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
4-Chlorotoluene	49.7	μg/L	1	50.0	<0.0460	99	74 - 127	2	20
1,2-Dichlorobenzene (ortho)	50.2	μg/L	1	50.0	<0.0629	100	81.2 - 119	2	20
n-Butylbenzene	48.1	μg/L	1	50.0	<0.0400	96	50.4 - 130	3	20
1,2-Dibromo-3-chloropropane	53.4	μg/L	1	50.0	<0.538	107	55.7 - 152	6	20
1,2,3-Trichlorobenzene	57.9	μg/L	1	50.0	<0.504	116	32.6 - 149	13	20
1,2,4-Trichlorobenzene	50.8	μg/L	1	50.0	<0.166	102	35.8 - 144	6	20
Naphthalene	61.5	μg/L	1	50.0	<0.417	123	36.7 - 156	18	20
Hexachlorobutadiene	45.1	μg/L	1	50.0	<0.176	90	39.6 - 125	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	52.2	51.8	μg/L	1	50	104	104	86.6 - 114
Toluene-d8	50.1	50.2	μg/L	1	50	100	100	91 - 109
4-Bromofluorobenzene (4-BFB)	50.0	50.6	μg/L	1	50	100	101	87.2 - 113

Standard (ICV-1)

QC Batch: 38934 Date Analyzed: 2007-07-11 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	271	108	85 - 115	2007-07-11

Standard (CCV-1)

QC Batch: 38934 Date Analyzed: 2007-07-11 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	260	104	85 - 115	2007-07-11

Standard (CCV-1)

QC Batch: 38992 Date Analyzed: 2007-07-11 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		μg/L	50.0	53.1	106	70 - 130	2007-07-11
Dichlorodifluoromethane		μg/L	50.0	47.7	95	70 - 130	2007-07-11
Chloromethane (methyl chloride)		μg/L	50.0	49.9	100	70 - 130	2007-07-11
Vinyl Chloride		μg/L	50.0	50.8	102	80 - 120	2007-07-11
Bromomethane (methyl bromide)		μg/L	50.0	53.4	107	70 - 130	2007-07-11
Chloroethane		μg/L	50.0	53.2	106	70 - 130	2007-07-11
Trichlorofluoromethane		μg/L	50.0	55.4	111	70 - 130	2007-07-11

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Acetone	[7]	µg/L	50.0	82.6	165	70 - 130	2007-07-11
Iodomethane (methyl iodide)		µg/L	50.0	51.6	103	70 - 130	2007-07-11
Carbon Disulfide		µg/L	50.0	52.0	104	70 - 130	2007-07-11
Acrylonitrile		µg/L	50.0	55.8	112	70 - 130	2007-07-11
2-Butanone (MEK)		µg/L	50.0	59.6	119	70 - 130	2007-07-11
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	54.4	109	70 - 130	2007-07-11
2-Hexanone	[8]	µg/L	50.0	66.4	133	70 - 130	2007-07-11
trans 1,4-Dichloro-2-butene		µg/L	50.0	58.3	117	70 - 130	2007-07-11
1,1-Dichloroethene		µg/L	50.0	51.2	102	80 - 120	2007-07-11
Methylene chloride		µg/L	50.0	51.5	103	70 - 130	2007-07-11
MTBE		µg/L	50.0	52.8	106	70 - 130	2007-07-11
trans-1,2-Dichloroethene		µg/L	50.0	51.1	102	70 - 130	2007-07-11
1,1-Dichloroethane		µg/L	50.0	52.0	104	70 - 130	2007-07-11
cis-1,2-Dichloroethene		µg/L	50.0	52.5	105	70 - 130	2007-07-11
2,2-Dichloropropane		µg/L	50.0	56.6	113	70 - 130	2007-07-11
1,2-Dichloroethane (EDC)		µg/L	50.0	54.1	108	70 - 130	2007-07-11
Chloroform		µg/L	50.0	52.8	106	80 - 120	2007-07-11
1,1,1-Trichloroethane		µg/L	50.0	51.9	104	70 - 130	2007-07-11
1,1-Dichloropropene		µg/L	50.0	51.2	102	70 - 130	2007-07-11
Benzene		µg/L	50.0	51.3	103	70 - 130	2007-07-11
Carbon Tetrachloride		µg/L	50.0	53.3	107	70 - 130	2007-07-11
1,2-Dichloropropane		µg/L	50.0	53.0	106	80 - 120	2007-07-11
Trichloroethene (TCE)		µg/L	50.0	49.7	99	70 - 130	2007-07-11
Dibromomethane (methylene bromide)		µg/L	50.0	52.5	105	70 - 130	2007-07-11
Bromodichloromethane		µg/L	50.0	52.7	105	70 - 130	2007-07-11
2-Chloroethyl vinyl ether		µg/L	50.0	53.7	107	70 - 130	2007-07-11
cis-1,3-Dichloropropene		µg/L	50.0	53.8	108	70 - 130	2007-07-11
trans-1,3-Dichloropropene		µg/L	50.0	55.5	111	70 - 130	2007-07-11
Toluene		µg/L	50.0	49.8	100	80 - 120	2007-07-11
1,1,2-Trichloroethane		µg/L	50.0	50.1	100	70 - 130	2007-07-11
1,3-Dichloropropane		µg/L	50.0	51.1	102	70 - 130	2007-07-11
Dibromochloromethane		µg/L	50.0	51.9	104	70 - 130	2007-07-11
1,2-Dibromoethane (EDB)		µg/L	50.0	51.5	103	70 - 130	2007-07-11
Tetrachloroethene (PCE)		µg/L	50.0	49.0	98	70 - 130	2007-07-11
Chlorobenzene		µg/L	50.0	48.4	97	80 - 120	2007-07-11
1,1,1,2-Tetrachloroethane		µg/L	50.0	52.6	105	70 - 130	2007-07-11
Ethylbenzene		µg/L	50.0	51.0	102	80 - 120	2007-07-11
m,p-Xylene		µg/L	100	103	103	70 - 130	2007-07-11
Bromoform		µg/L	50.0	55.6	111	70 - 130	2007-07-11
Styrene		µg/L	50.0	54.2	108	70 - 130	2007-07-11
o-Xylene		µg/L	50.0	52.9	106	70 - 130	2007-07-11
1,1,2,2-Tetrachloroethane		µg/L	50.0	53.2	106	70 - 130	2007-07-11
2-Chlorotoluene		µg/L	50.0	47.7	95	70 - 130	2007-07-11
1,2,3-Trichloropropane		µg/L	50.0	48.2	96	70 - 130	2007-07-11
Isopropylbenzene		µg/L	50.0	47.2	94	70 - 130	2007-07-11

continued ...

[7] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 106 which is within acceptable range. This is acceptable by Method 8000.

[8] 2-Hexanone outside of control limits on CCV(ICV). CCV(ICV) component average is 106 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromobenzene		µg/L	50.0	47.4	95	70 - 130	2007-07-11
n-Propylbenzene		µg/L	50.0	47.1	94	70 - 130	2007-07-11
1,3,5-Trimethylbenzene		µg/L	50.0	48.3	97	70 - 130	2007-07-11
tert-Butylbenzene		µg/L	50.0	47.9	96	70 - 130	2007-07-11
1,2,4-Trimethylbenzene		µg/L	50.0	49.6	99	70 - 130	2007-07-11
1,4-Dichlorobenzene (para)		µg/L	50.0	47.0	94	70 - 130	2007-07-11
sec-Butylbenzene		µg/L	50.0	48.4	97	70 - 130	2007-07-11
1,3-Dichlorobenzene (meta)		µg/L	50.0	48.5	97	70 - 130	2007-07-11
p-Isopropyltoluene		µg/L	50.0	49.4	99	70 - 130	2007-07-11
4-Chlorotoluene		µg/L	50.0	47.5	95	70 - 130	2007-07-11
1,2-Dichlorobenzene (ortho)		µg/L	50.0	49.8	100	70 - 130	2007-07-11
n-Butylbenzene		µg/L	50.0	50.7	101	70 - 130	2007-07-11
1,2-Dibromo-3-chloropropane		µg/L	50.0	52.9	106	70 - 130	2007-07-11
1,2,3-Trichlorobenzene		µg/L	50.0	53.4	107	70 - 130	2007-07-11
1,2,4-Trichlorobenzene		µg/L	50.0	50.2	100	70 - 130	2007-07-11
Naphthalene		µg/L	50.0	55.9	112	70 - 130	2007-07-11
Hexachlorobutadiene		µg/L	50.0	43.4	87	70 - 130	2007-07-11

Standard (CCV-1)

QC Batch: 38997 Date Analyzed: 2007-07-10 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	46.0	92	70 - 130	2007-07-10
Dichlorodifluoromethane		µg/L	50.0	43.4	87	70 - 130	2007-07-10
Chloromethane (methyl chloride)		µg/L	50.0	38.0	76	70 - 130	2007-07-10
Vinyl Chloride		µg/L	50.0	40.2	80	80 - 120	2007-07-10
Bromomethane (methyl bromide)	[9]	µg/L	50.0	22.6	45	70 - 130	2007-07-10
Chloroethane	[10]	µg/L	50.0	29.2	58	70 - 130	2007-07-10
Trichlorofluoromethane		µg/L	50.0	44.1	88	70 - 130	2007-07-10
Acetone	[11]	µg/L	50.0	24.2	48	70 - 130	2007-07-10
Iodomethane (methyl iodide)		µg/L	50.0	48.6	97	70 - 130	2007-07-10
Carbon Disulfide		µg/L	50.0	42.1	84	70 - 130	2007-07-10
Acrylonitrile		µg/L	50.0	41.4	83	70 - 130	2007-07-10
2-Butanone (MEK)		µg/L	50.0	36.2	72	70 - 130	2007-07-10
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	46.8	94	70 - 130	2007-07-10
2-Hexanone		µg/L	50.0	37.0	74	70 - 130	2007-07-10
trans 1,4-Dichloro-2-butene		µg/L	50.0	42.2	84	70 - 130	2007-07-10
1,1-Dichloroethene		µg/L	50.0	44.8	90	80 - 120	2007-07-10
Methylene chloride		µg/L	50.0	42.4	85	70 - 130	2007-07-10
MTBE		µg/L	50.0	43.4	87	70 - 130	2007-07-10

continued ...

[9] Bromomethane outside of control limits on CCV(ICV). CCV(ICV) component average is 89 which is within acceptable range. This is acceptable by Method 8000.

[10] Chloroethane outside of control limits on CCV(ICV). CCV(ICV) component average is 89 which is within acceptable range. This is acceptable by Method 8000.

[11] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 89 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
trans-1,2-Dichloroethene		µg/L	50.0	43.6	87	70 - 130	2007-07-10
1,1-Dichloroethane		µg/L	50.0	41.0	82	70 - 130	2007-07-10
cis-1,2-Dichloroethene		µg/L	50.0	44.6	89	70 - 130	2007-07-10
2,2-Dichloropropane		µg/L	50.0	45.4	91	70 - 130	2007-07-10
1,2-Dichloroethane (EDC)		µg/L	50.0	38.0	76	70 - 130	2007-07-10
Chloroform		µg/L	50.0	40.9	82	80 - 120	2007-07-10
1,1,1-Trichloroethane		µg/L	50.0	41.6	83	70 - 130	2007-07-10
1,1-Dichloropropene		µg/L	50.0	44.4	89	70 - 130	2007-07-10
Benzene		µg/L	50.0	44.6	89	70 - 130	2007-07-10
Carbon Tetrachloride		µg/L	50.0	42.5	85	70 - 130	2007-07-10
1,2-Dichloropropane		µg/L	50.0	43.9	88	80 - 120	2007-07-10
Trichloroethene (TCE)		µg/L	50.0	49.3	99	70 - 130	2007-07-10
Dibromomethane (methylene bromide)		µg/L	50.0	44.8	90	70 - 130	2007-07-10
Bromodichloromethane		µg/L	50.0	43.2	86	70 - 130	2007-07-10
2-Chloroethyl vinyl ether		µg/L	50.0	44.5	89	70 - 130	2007-07-10
cis-1,3-Dichloropropene		µg/L	50.0	46.9	94	70 - 130	2007-07-10
trans-1,3-Dichloropropene		µg/L	50.0	46.0	92	70 - 130	2007-07-10
Toluene		µg/L	50.0	43.2	86	80 - 120	2007-07-10
1,1,2-Trichloroethane		µg/L	50.0	44.1	88	70 - 130	2007-07-10
1,3-Dichloropropane		µg/L	50.0	43.0	86	70 - 130	2007-07-10
Dibromochloromethane		µg/L	50.0	46.1	92	70 - 130	2007-07-10
1,2-Dibromoethane (EDB)		µg/L	50.0	48.5	97	70 - 130	2007-07-10
Tetrachloroethene (PCE)		µg/L	50.0	48.4	97	70 - 130	2007-07-10
Chlorobenzene		µg/L	50.0	45.5	91	80 - 120	2007-07-10
1,1,1,2-Tetrachloroethane		µg/L	50.0	45.9	92	70 - 130	2007-07-10
Ethylbenzene		µg/L	50.0	44.4	89	80 - 120	2007-07-10
m,p-Xylene		µg/L	100	89.0	89	70 - 130	2007-07-10
Bromoform		µg/L	50.0	46.6	93	70 - 130	2007-07-10
Styrene		µg/L	50.0	49.5	99	70 - 130	2007-07-10
o-Xylene		µg/L	50.0	45.8	92	70 - 130	2007-07-10
1,1,2,2-Tetrachloroethane		µg/L	50.0	43.6	87	70 - 130	2007-07-10
2-Chlorotoluene		µg/L	50.0	42.9	86	70 - 130	2007-07-10
1,2,3-Trichloropropane		µg/L	50.0	41.7	83	70 - 130	2007-07-10
Isopropylbenzene		µg/L	50.0	45.3	91	70 - 130	2007-07-10
Bromobenzene		µg/L	50.0	42.5	85	70 - 130	2007-07-10
n-Propylbenzene		µg/L	50.0	42.4	85	70 - 130	2007-07-10
1,3,5-Trimethylbenzene		µg/L	50.0	45.1	90	70 - 130	2007-07-10
tert-Butylbenzene		µg/L	50.0	46.9	94	70 - 130	2007-07-10
1,2,4-Trimethylbenzene		µg/L	50.0	45.7	91	70 - 130	2007-07-10
1,4-Dichlorobenzene (para)		µg/L	50.0	44.9	90	70 - 130	2007-07-10
sec-Butylbenzene		µg/L	50.0	45.2	90	70 - 130	2007-07-10
1,3-Dichlorobenzene (meta)		µg/L	50.0	46.7	93	70 - 130	2007-07-10
p-Isopropyltoluene		µg/L	50.0	47.8	96	70 - 130	2007-07-10
4-Chlorotoluene		µg/L	50.0	44.4	89	70 - 130	2007-07-10
1,2-Dichlorobenzene (ortho)		µg/L	50.0	47.5	95	70 - 130	2007-07-10
n-Butylbenzene		µg/L	50.0	46.5	93	70 - 130	2007-07-10
1,2-Dibromo-3-chloropropane		µg/L	50.0	42.2	84	70 - 130	2007-07-10
1,2,3-Trichlorobenzene		µg/L	50.0	45.1	90	70 - 130	2007-07-10
1,2,4-Trichlorobenzene		µg/L	50.0	50.4	101	70 - 130	2007-07-10

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Naphthalene		μg/L	50.0	46.6	93	70 - 130	2007-07-10
Hexachlorobutadiene		μg/L	50.0	53.9	108	70 - 130	2007-07-10

Standard (CCV-1)

QC Batch: 39096 Date Analyzed: 2007-07-12 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60.0	60.1	100	80 - 120	2007-07-12
1,4-Dichlorobenzene (para)		mg/L	60.0	58.4	97	80 - 120	2007-07-12
2-Nitrophenol		mg/L	60.0	66.7	111	80 - 120	2007-07-12
2,4-Dichlorophenol		mg/L	60.0	65.8	110	80 - 120	2007-07-12
Hexachlorobutadiene		mg/L	60.0	69.8	116	80 - 120	2007-07-12
4-Chloro-3-methylphenol		mg/L	60.0	59.3	99	80 - 120	2007-07-12
2,4,6-Trichlorophenol		mg/L	60.0	64.8	108	80 - 120	2007-07-12
Acenaphthene		mg/L	60.0	54.7	91	80 - 120	2007-07-12
Diphenylamine		mg/L	60.0	60.0	100	80 - 120	2007-07-12
Pentachlorophenol		mg/L	60.0	66.7	111	80 - 120	2007-07-12
Fluoranthene		mg/L	60.0	61.4	102	80 - 120	2007-07-12
Di-n-octylphthalate		mg/L	60.0	52.8	88	80 - 120	2007-07-12
Benzo(a)pyrene		mg/L	60.0	60.3	100	80 - 120	2007-07-12

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		56.5	mg/L	1	60.0	94	80 - 120
Phenol-d5		57.4	mg/L	1	60.0	96	80 - 120
Nitrobenzene-d5		60.1	mg/L	1	60.0	100	80 - 120
2-Fluorobiphenyl		57.8	mg/L	1	60.0	96	80 - 120
2,4,6-Tribromophenol		67.0	mg/L	1	60.0	112	80 - 120
Terphenyl-d14		60.8	mg/L	1	60.0	101	80 - 120

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P.O. BOX 363, Bldg 126, 3rd Floor, WSMR, NM 88002
Office: (505) 678-0263 Fax: (505) 678-6096

WTS

CHAIN OF CUSTODY RECORD

PROJECT NO. 45

PROJECT NAME POL ASTs

SAMPLER'S SIGNATURE Brady T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH DRO	VOCs	SVOCs								REMARKS
7-9-07	1045	0166-CF-003-20.0	Soil	129380	1	X	X	X								
7-9-07	1050	0166-CF-004-20.0	Soil	381	1	X	X	X								
7-9-07	1050	0166-CF-104-20.0	Soil	382	1	X	X	X								
7-9-07	1120	0166-CF-005-20.0	Soil	383	1	X	X	X								
7-9-07	1125	0166-CF-006-15.0	Soil	384	1	X	X	X								
7-9-07	1140	0166-EB-004-0707	Water	385	7	X	X	X								
7-9-07	1140	0166-TB-899-0707	Water	386	2		X									
		Temperature Blank	Water		1											Temperature Blank

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	SAMPLES RECEIVED	✓	Brady T. Davis		
	TOTAL NO. OF CONTAINERS	14	(PRINTED NAME) Bradley T. Davis	(PRINTED NAME)	(PRINTED NAME) Sabrina Multu
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	✓	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
	GOOD CONDITION/CHILLED	2°	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 071207 945
VIA: Fed EX	CONFORMS TO RECORD	✓	SPECIAL INSTRUCTIONS / COMMENTS:	Rush on TPH DRO - 1 day verbal Brad Davis - (505) 993-6890	

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Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: July 24, 2007

Work Order: 7071016

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
129380	0166-CF-003-20.0	soil	2007-07-09	10:45	2007-07-10
129381	0166-CF-004-20.0	soil	2007-07-09	10:50	2007-07-10
129382	0166-CF-104-20.0	soil	2007-07-09	10:50	2007-07-10
129383	0166-CF-005-20.0	soil	2007-07-09	11:20	2007-07-10
129384	0166-CF-006-15.0	soil	2007-07-09	11:25	2007-07-10

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 42 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-10 and assigned to work order 7071016. Samples for work order 7071016 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C
TPH DRO	Mod. 8015B
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7071016 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 129380 - 0166-CF-003-20.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39098	Date Analyzed:	2007-07-12	Analyzed By:	DS
Prep Batch:	33842	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250

continued ...

sample 129380 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.24	mg/Kg	1	2.67	46	10 - 98.8
Phenol-d5		1.38	mg/Kg	1	2.67	52	10 - 105
Nitrobenzene-d5		1.45	mg/Kg	1	2.67	54	10 - 114
2-Fluorobiphenyl		1.52	mg/Kg	1	2.67	57	10 - 122
2,4,6-Tribromophenol		2.24	mg/Kg	1	2.67	84	10 - 117
Terphenyl-d14		2.13	mg/Kg	1	2.67	80	10 - 116

Sample: 129380 - 0166-CF-003-20.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38931	Date Analyzed:	2007-07-10	Analyzed By:	TG
Prep Batch:	33695	Sample Preparation:	2007-07-10	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		198	mg/Kg	1	150	132	62.5 - 164

Sample: 129380 - 0166-CF-003-20.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39054	Date Analyzed:	2007-07-12	Analyzed By:	JG
Prep Batch:	33811	Sample Preparation:	2007-07-12	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0
Carbon Disulfide		<10.0	μg/Kg	1	10.0
Acrylonitrile		<10.0	μg/Kg	1	10.0
2-Butanone (MEK)		<50.0	μg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	μg/Kg	1	50.0
2-Hexanone		<50.0	μg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	μg/Kg	1	100
1,1-Dichloroethene		<10.0	μg/Kg	1	10.0
Methylene chloride		<50.0	μg/Kg	1	50.0
MTBE		<10.0	μg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
1,1-Dichloroethane		<10.0	μg/Kg	1	10.0

continued ...

sample 129380 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
cis-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
2,2-Dichloropropane		<10.0	μg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	1	10.0
Chloroform		<10.0	μg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	μg/Kg	1	10.0
1,1-Dichloropropene		<10.0	μg/Kg	1	10.0
Benzene		<10.0	μg/Kg	1	10.0
Carbon Tetrachloride		<10.0	μg/Kg	1	10.0
1,2-Dichloropropane		<10.0	μg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	μg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	μg/Kg	1	10.0
Bromodichloromethane		<10.0	μg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	μg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		489	μg/Kg	1	500	98	79.7 - 120
Toluene-d8		509	μg/Kg	1	500	102	86.8 - 107
4-Bromofluorobenzene (4-BFB)		512	μg/Kg	1	500	102	82.5 - 116

Sample: 129381 - 0166-CF-004-20.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39098	Date Analyzed:	2007-07-12	Analyzed By:	DS
Prep Batch:	33842	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250

continued ...

sample 129381 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250

continued . . .

sample 129381 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.01	mg/Kg	1	2.67	38	10 - 98.8
Phenol-d5		1.17	mg/Kg	1	2.67	44	10 - 105
Nitrobenzene-d5		1.16	mg/Kg	1	2.67	43	10 - 114
2-Fluorobiphenyl		1.22	mg/Kg	1	2.67	46	10 - 122
2,4,6-Tribromophenol		1.70	mg/Kg	1	2.67	64	10 - 117
Terphenyl-d14		2.12	mg/Kg	1	2.67	79	10 - 116

Sample: 129381 - 0166-CF-004-20.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38931	Date Analyzed:	2007-07-10	Analyzed By:	TG
Prep Batch:	33695	Sample Preparation:	2007-07-10	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		192	mg/Kg	1	150	128	62.5 - 164

Sample: 129381 - 0166-CF-004-20.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39054	Date Analyzed:	2007-07-12	Analyzed By:	JG
Prep Batch:	33811	Sample Preparation:	2007-07-12	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0

continued . . .

sample 129381 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0

continued . . .

sample 129381 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		475	μg/Kg	1	500	95	79.7 - 120
Toluene-d8		506	μg/Kg	1	500	101	86.8 - 107
4-Bromofluorobenzene (4-BFB)		518	μg/Kg	1	500	104	82.5 - 116

Sample: 129382 - 0166-CF-104-20.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39098	Date Analyzed:	2007-07-12	Analyzed By:	DS
Prep Batch:	33842	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250

continued ...

sample 129382 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250

continued . . .

sample 129382 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.03	mg/Kg	1	2.67	38	10 - 98.8
Phenol-d5		1.18	mg/Kg	1	2.67	44	10 - 105
Nitrobenzene-d5		1.23	mg/Kg	1	2.67	46	10 - 114
2-Fluorobiphenyl		1.29	mg/Kg	1	2.67	48	10 - 122
2,4,6-Tribromophenol		1.59	mg/Kg	1	2.67	60	10 - 117
Terphenyl-d14		1.79	mg/Kg	1	2.67	67	10 - 116

Sample: 129382 - 0166-CF-104-20.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38931	Date Analyzed:	2007-07-10	Analyzed By:	TG
Prep Batch:	33695	Sample Preparation:	2007-07-10	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		196	mg/Kg	1	150	131	62.5 - 164

Sample: 129382 - 0166-CF-104-20.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39054	Date Analyzed:	2007-07-12	Analyzed By:	JG
Prep Batch:	33811	Sample Preparation:	2007-07-12	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0

continued . . .

sample 129382 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		466	µg/Kg	1	500	93	79.7 - 120
Toluene-d8		502	µg/Kg	1	500	100	86.8 - 107
4-Bromofluorobenzene (4-BFB)		509	µg/Kg	1	500	102	82.5 - 116

Sample: 129383 - 0166-CF-005-20.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39098	Date Analyzed:	2007-07-12	Analyzed By:	DS
Prep Batch:	33842	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250

continued . . .

sample 129383 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250

continued . . .

sample 129383 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.56	mg/Kg	1	2.67	58	10 - 98.8
Phenol-d5		1.83	mg/Kg	1	2.67	68	10 - 105
Nitrobenzene-d5		1.91	mg/Kg	1	2.67	72	10 - 114
2-Fluorobiphenyl		2.14	mg/Kg	1	2.67	80	10 - 122
2,4,6-Tribromophenol		2.35	mg/Kg	1	2.67	88	10 - 117
Terphenyl-d14		2.23	mg/Kg	1	2.67	84	10 - 116

Sample: 129383 - 0166-CF-005-20.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38931	Date Analyzed:	2007-07-10	Analyzed By:	TG
Prep Batch:	33695	Sample Preparation:	2007-07-10	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		192	mg/Kg	1	150	128	62.5 - 164

Sample: 129383 - 0166-CF-005-20.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39054	Date Analyzed:	2007-07-12	Analyzed By:	JG
Prep Batch:	33811	Sample Preparation:	2007-07-12	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0

continued . . .

sample 129383 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		460	μg/Kg	1	500	92	79.7 - 120
Toluene-d8		496	μg/Kg	1	500	99	86.8 - 107
4-Bromofluorobenzene (4-BFB)		503	μg/Kg	1	500	101	82.5 - 116

Sample: 129384 - 0166-CF-006-15.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39098	Date Analyzed:	2007-07-12	Analyzed By:	DS
Prep Batch:	33842	Sample Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250

continued ...

sample 129384 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.38	mg/Kg	1	2.67	52	10 - 98.8
Phenol-d5		1.57	mg/Kg	1	2.67	59	10 - 105
Nitrobenzene-d5		1.60	mg/Kg	1	2.67	60	10 - 114
2-Fluorobiphenyl		1.72	mg/Kg	1	2.67	64	10 - 122

continued . . .

sample continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2,4,6-Tribromophenol		2.42	mg/Kg	1	2.67	91	10 - 117
Terphenyl-d14		2.30	mg/Kg	1	2.67	86	10 - 116

Sample: 129384 - 0166-CF-006-15.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38931	Date Analyzed:	2007-07-10	Analyzed By:	TG
Prep Batch:	33695	Sample Preparation:	2007-07-10	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		186	mg/Kg	1	150	124	62.5 - 164

Sample: 129384 - 0166-CF-006-15.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39054	Date Analyzed:	2007-07-12	Analyzed By:	JG
Prep Batch:	33811	Sample Preparation:	2007-07-12	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0

continued . . .

sample 129384 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Chloroform		<10.0	μg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	μg/Kg	1	10.0
1,1-Dichloropropene		<10.0	μg/Kg	1	10.0
Benzene		<10.0	μg/Kg	1	10.0
Carbon Tetrachloride		<10.0	μg/Kg	1	10.0
1,2-Dichloropropane		<10.0	μg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	μg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	μg/Kg	1	10.0
Bromodichloromethane		<10.0	μg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	μg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		457	µg/Kg	1	500	91	79.7 - 120
Toluene-d8		499	µg/Kg	1	500	100	86.8 - 107
4-Bromofluorobenzene (4-BFB)		502	µg/Kg	1	500	100	82.5 - 116

Method Blank (1) QC Batch: 38931

QC Batch:	38931	Date Analyzed:	2007-07-10	Analyzed By:	TG
Prep Batch:	33695	QC Preparation:	2007-07-10	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		194	mg/Kg	1	150	129	62.5 - 164

Method Blank (1) QC Batch: 39054

QC Batch:	39054	Date Analyzed:	2007-07-12	Analyzed By:	JG
Prep Batch:	33811	QC Preparation:	2007-07-12	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<2.06	µg/Kg	10
Dichlorodifluoromethane		<4.16	µg/Kg	10
Chloromethane (methyl chloride)		<2.49	µg/Kg	10
Vinyl Chloride		<2.80	µg/Kg	10
Bromomethane (methyl bromide)		<2.99	µg/Kg	50
Chloroethane		<3.26	µg/Kg	10
Trichlorofluoromethane		<2.49	µg/Kg	10
Acetone		<51.4	µg/Kg	100
Iodomethane (methyl iodide)		<2.41	µg/Kg	50
Carbon Disulfide		<2.12	µg/Kg	10
Acrylonitrile		<2.12	µg/Kg	10
2-Butanone (MEK)		<13.9	µg/Kg	50
4-Methyl-2-pentanone (MIBK)		<3.95	µg/Kg	50
2-Hexanone		<2.13	µg/Kg	50
trans 1,4-Dichloro-2-butene		<2.92	µg/Kg	100
1,1-Dichloroethene		<1.89	µg/Kg	10
Methylene chloride		25.4	µg/Kg	50
MTBE		<1.71	µg/Kg	10
trans-1,2-Dichloroethene		<2.67	µg/Kg	10
1,1-Dichloroethane		<1.76	µg/Kg	10
cis-1,2-Dichloroethene		<2.27	µg/Kg	10
2,2-Dichloropropane		<2.90	µg/Kg	10
1,2-Dichloroethane (EDC)		<1.90	µg/Kg	10
Chloroform		<2.21	µg/Kg	10

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,1,1-Trichloroethane		<2.06	μg/Kg	10
1,1-Dichloropropene		<2.44	μg/Kg	10
Benzene		<1.51	μg/Kg	10
Carbon Tetrachloride		<2.26	μg/Kg	10
1,2-Dichloropropane		<1.51	μg/Kg	10
Trichloroethene (TCE)		<1.93	μg/Kg	10
Dibromomethane (methylene bromide)		<1.78	μg/Kg	10
Bromodichloromethane		<1.81	μg/Kg	10
2-Chloroethyl vinyl ether		<1.51	μg/Kg	50
cis-1,3-Dichloropropene		<2.32	μg/Kg	10
trans-1,3-Dichloropropene		<2.00	μg/Kg	10
Toluene		<2.02	μg/Kg	10
1,1,2-Trichloroethane		<1.41	μg/Kg	10
1,3-Dichloropropane		<2.28	μg/Kg	10
Dibromochloromethane		<1.65	μg/Kg	10
1,2-Dibromoethane (EDB)		<1.53	μg/Kg	10
Tetrachloroethene (PCE)		<1.27	μg/Kg	10
Chlorobenzene		<2.02	μg/Kg	10
1,1,1,2-Tetrachloroethane		<1.62	μg/Kg	10
Ethylbenzene		<1.96	μg/Kg	10
m,p-Xylene		<3.03	μg/Kg	10
Bromoform		<1.94	μg/Kg	10
Styrene		<1.99	μg/Kg	10
o-Xylene		<2.12	μg/Kg	10
1,1,2,2-Tetrachloroethane		<2.19	μg/Kg	10
2-Chlorotoluene		<3.12	μg/Kg	10
1,2,3-Trichloropropane		<2.84	μg/Kg	10
Isopropylbenzene		<2.52	μg/Kg	10
Bromobenzene		<3.08	μg/Kg	10
n-Propylbenzene		<2.90	μg/Kg	10
1,3,5-Trimethylbenzene		<2.70	μg/Kg	10
tert-Butylbenzene		<3.32	μg/Kg	10
1,2,4-Trimethylbenzene		<3.19	μg/Kg	10
1,4-Dichlorobenzene (para)		<2.46	μg/Kg	10
sec-Butylbenzene		<2.75	μg/Kg	10
1,3-Dichlorobenzene (meta)		<2.44	μg/Kg	10
p-Isopropyltoluene		<2.73	μg/Kg	10
4-Chlorotoluene		<2.72	μg/Kg	10
1,2-Dichlorobenzene (ortho)		<2.22	μg/Kg	10
n-Butylbenzene		<2.74	μg/Kg	10
1,2-Dibromo-3-chloropropane		<7.25	μg/Kg	50
1,2,3-Trichlorobenzene		12.6	μg/Kg	50
1,2,4-Trichlorobenzene		6.04	μg/Kg	50
Naphthalene		6.32	μg/Kg	50
Hexachlorobutadiene		10.8	μg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		487	μg/Kg	1	500	97	79.7 - 120
Toluene-d8		506	μg/Kg	1	500	101	86.8 - 107

continued . . .

method blank continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)		505	μg/Kg	1	500	101	82.5 - 116

Method Blank (1) QC Batch: 39098

QC Batch:	39098	Date Analyzed:	2007-07-12	Analyzed By:	DS
Prep Batch:	33842	QC Preparation:	2007-07-10	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.0665	mg/Kg	0.25
N-Nitrosodimethylamine		<0.0894	mg/Kg	0.25
2-Picoline		<0.0472	mg/Kg	0.25
Methyl methanesulfonate		<0.0754	mg/Kg	0.25
Ethyl methanesulfonate		<0.0943	mg/Kg	0.25
Phenol		<0.0778	mg/Kg	0.25
Aniline		<0.0720	mg/Kg	0.25
bis(2-chloroethyl)ether		<0.0700	mg/Kg	0.25
2-Chlorophenol		<0.0676	mg/Kg	0.25
1,3-Dichlorobenzene (meta)		<0.0631	mg/Kg	0.25
1,4-Dichlorobenzene (para)		<0.0618	mg/Kg	0.25
Benzyl alcohol		<0.107	mg/Kg	0.25
1,2-Dichlorobenzene (ortho)		<0.0658	mg/Kg	0.25
2-Methylphenol		<0.0849	mg/Kg	0.25
bis(2-chloroisopropyl)ether		<0.0812	mg/Kg	0.25
4-Methylphenol / 3-Methylphenol		<0.0918	mg/Kg	0.25
Acetophenone		<0.0709	mg/Kg	0.25
N-Nitrosodi-n-propylamine		<0.106	mg/Kg	0.25
Hexachloroethane		<0.0662	mg/Kg	0.25
Nitrobenzene		<0.0641	mg/Kg	0.25
N-Nitrosopiperidine		<0.0870	mg/Kg	0.25
Isophorone		<0.0794	mg/Kg	0.25
2-Nitrophenol		<0.0653	mg/Kg	0.25
2,4-Dimethylphenol		<0.0745	mg/Kg	0.25
bis(2-chloroethoxy)methane		<0.0774	mg/Kg	0.25
Benzoic acid		<0.0273	mg/Kg	0.25
2,4-Dichlorophenol		<0.0780	mg/Kg	0.25
1,2,4-Trichlorobenzene		<0.0583	mg/Kg	0.25
a,a-Dimethylphenethylamine		<0.0471	mg/Kg	0.25
Naphthalene		<0.0597	mg/Kg	0.25
4-Chloroaniline		<0.0789	mg/Kg	0.25
2,6-Dichlorophenol		<0.0728	mg/Kg	0.25
Hexachlorobutadiene		<0.0528	mg/Kg	0.25
N-Nitroso-di-n-butylamine		<0.0818	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.0610	mg/Kg	0.25
1-Methylnaphthalene		<0.0713	mg/Kg	0.25
2-Methylnaphthalene		<0.0720	mg/Kg	0.25
1,2,4,5-Tetrachlorobenzene		<0.0682	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.0491	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.0648	mg/Kg	0.25

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
2,4,5-Trichlorophenol		<0.0493	mg/Kg	0.25
2-Chloronaphthalene		<0.0690	mg/Kg	0.25
1-Chloronaphthalene		<0.0621	mg/Kg	0.25
2-Nitroaniline		<0.0500	mg/Kg	0.25
Dimethylphthalate		<0.0505	mg/Kg	0.25
Acenaphthylene		<0.0659	mg/Kg	0.25
2,6-Dinitrotoluene		<0.0488	mg/Kg	0.25
3-Nitroaniline		<0.0492	mg/Kg	0.25
Acenaphthene		<0.0611	mg/Kg	0.25
2,4-Dinitrophenol		<0.0245	mg/Kg	0.25
Dibenzofuran		<0.0639	mg/Kg	0.25
Pentachlorobenzene		<0.0562	mg/Kg	0.25
4-Nitrophenol		<0.0416	mg/Kg	0.25
1-Naphthylamine		<0.0487	mg/Kg	0.25
2,4-Dinitrotoluene		<0.0502	mg/Kg	0.25
2-Naphthylamine		<0.0428	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.0446	mg/Kg	0.25
Fluorene		<0.0520	mg/Kg	0.25
Diethylphthalate		<0.0484	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.0602	mg/Kg	0.25
4-Nitroaniline		<0.0278	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.0375	mg/Kg	0.25
Diphenylamine		<0.0628	mg/Kg	0.25
Diphenylhydrazine		<0.0519	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.0672	mg/Kg	0.25
Phenacetin		<0.0649	mg/Kg	0.25
Hexachlorobenzene		<0.0596	mg/Kg	0.25
4-Aminobiphenyl		<0.0631	mg/Kg	0.25
Pentachlorophenol		<0.0426	mg/Kg	0.25
Pentachloronitrobenzene		<0.0607	mg/Kg	0.25
Pronamide		<0.0702	mg/Kg	0.25
Phenanthrene		<0.0614	mg/Kg	0.25
Anthracene		<0.0648	mg/Kg	0.25
Di-n-butylphthalate		<0.0614	mg/Kg	0.25
Fluoranthene		<0.0636	mg/Kg	0.25
Benzidine		<0.0631	mg/Kg	0.25
Pyrene		<0.0583	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.0544	mg/Kg	0.25
Butylbenzylphthalate		<0.0531	mg/Kg	0.25
Benzo(a)anthracene		<0.0603	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.0570	mg/Kg	0.25
Chrysene		<0.0643	mg/Kg	0.25
bis(2-ethylhexyl)phthalate		<0.0622	mg/Kg	0.25
Di-n-octylphthalate		<0.0514	mg/Kg	0.25
Benzo(b)fluoranthene		<0.0585	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.0582	mg/Kg	0.25
Benzo(k)fluoranthene		<0.0536	mg/Kg	0.25
Benzo(a)pyrene		<0.0564	mg/Kg	0.25
3-Methylcholanthrene		<0.0571	mg/Kg	0.25
Dibenzo(a,j)acridine		<0.0618	mg/Kg	0.25

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Indeno(1,2,3-cd)pyrene		<0.0576	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.0543	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.0631	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.55	mg/Kg	1	2.67	58	10 - 98.8
Phenol-d5		1.71	mg/Kg	1	2.67	64	10 - 105
Nitrobenzene-d5		1.78	mg/Kg	1	2.67	67	10 - 114
2-Fluorobiphenyl		2.13	mg/Kg	1	2.67	80	10 - 122
2,4,6-Tribromophenol		2.99	mg/Kg	1	2.67	112	10 - 117
Terphenyl-d14		2.84	mg/Kg	1	2.67	106	10 - 116

Laboratory Control Spike (LCS-1)

QC Batch: 38931 Date Analyzed: 2007-07-10 Analyzed By: TG
Prep Batch: 33695 QC Preparation: 2007-07-10 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	253	mg/Kg	1	250	<10.7	101	64.1 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	254	mg/Kg	1	250	<10.7	102	64.1 - 124	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	214	213	mg/Kg	1	150	143	142	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 39054 Date Analyzed: 2007-07-12 Analyzed By: JG
Prep Batch: 33811 QC Preparation: 2007-07-12 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	506	µg/Kg	1	500	<0.825	101	85 - 114
Dichlorodifluoromethane	479	µg/Kg	1	500	<0.889	96	57.1 - 129
Chloromethane (methyl chloride)	458	µg/Kg	1	500	<0.929	92	66.7 - 111
Vinyl Chloride	489	µg/Kg	1	500	<0.463	98	66.6 - 116
Bromomethane (methyl bromide)	471	µg/Kg	1	500	<1.71	94	43.4 - 143
Chloroethane	462	µg/Kg	1	500	<3.68	92	44.9 - 135
Trichlorofluoromethane	531	µg/Kg	1	500	<0.306	106	57.6 - 131

continued . . .

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Acetone	554	µg/Kg	1	500	<1.70	111	16.7 - 142
Iodomethane (methyl iodide)	511	µg/Kg	1	500	<0.640	102	81.1 - 116
Carbon Disulfide	500	µg/Kg	1	500	<0.346	100	79.7 - 112
Acrylonitrile	510	µg/Kg	1	500	<1.51	102	74.9 - 124
2-Butanone (MEK)	510	µg/Kg	1	500	<3.78	102	50.9 - 124
4-Methyl-2-pentanone (MIBK)	528	µg/Kg	1	500	<7.86	106	71.2 - 134
2-Hexanone	530	µg/Kg	1	500	<5.70	106	43.1 - 135
trans 1,4-Dichloro-2-butene	489	µg/Kg	1	500	<1.33	98	46 - 134
1,1-Dichloroethene	493	µg/Kg	1	500	<0.639	99	76 - 118
Methylene chloride	491	µg/Kg	1	500	<1.19	98	64.4 - 110
MTBE	513	µg/Kg	1	500	<0.362	103	84.8 - 120
trans-1,2-Dichloroethene	484	µg/Kg	1	500	<0.419	97	82 - 112
1,1-Dichloroethane	490	µg/Kg	1	500	<0.257	98	81.4 - 113
cis-1,2-Dichloroethene	498	µg/Kg	1	500	<0.627	100	84.9 - 113
2,2-Dichloropropane	473	µg/Kg	1	500	<0.593	95	35.1 - 136
1,2-Dichloroethane (EDC)	481	µg/Kg	1	500	<0.524	96	35.1 - 136
Chloroform	490	µg/Kg	1	500	<0.440	98	81 - 115
1,1,1-Trichloroethane	492	µg/Kg	1	500	<0.750	98	80.2 - 113
1,1-Dichloropropene	493	µg/Kg	1	500	<0.622	99	75.4 - 113
Benzene	484	µg/Kg	1	500	<0.644	97	84.6 - 114
Carbon Tetrachloride	497	µg/Kg	1	500	<0.485	99	86.6 - 113
1,2-Dichloropropane	492	µg/Kg	1	500	<0.547	98	67 - 127
Trichloroethene (TCE)	494	µg/Kg	1	500	<0.836	99	84.9 - 115
Dibromomethane (methylene bromide)	494	µg/Kg	1	500	<0.435	99	92.6 - 114
Bromodichloromethane	494	µg/Kg	1	500	<0.457	99	87.7 - 114
2-Chloroethyl vinyl ether	499	µg/Kg	1	500	<0.547	100	81.1 - 121
cis-1,3-Dichloropropene	512	µg/Kg	1	500	<0.596	102	84.9 - 115
trans-1,3-Dichloropropene	506	µg/Kg	1	500	<0.561	101	85.8 - 118
Toluene	463	µg/Kg	1	500	<1.12	93	80.7 - 109
1,1,2-Trichloroethane	479	µg/Kg	1	500	<3.25	96	89 - 115
1,3-Dichloropropane	488	µg/Kg	1	500	<0.505	98	90.3 - 115
Dibromochloromethane	511	µg/Kg	1	500	<0.552	102	82.6 - 129
1,2-Dibromoethane (EDB)	509	µg/Kg	1	500	<0.688	102	93.3 - 117
Tetrachloroethene (PCE)	478	µg/Kg	1	500	<0.826	96	50.2 - 143
Chlorobenzene	469	µg/Kg	1	500	<0.426	94	86.1 - 111
1,1,1,2-Tetrachloroethane	504	µg/Kg	1	500	<0.289	101	81.4 - 122
Ethylbenzene	476	µg/Kg	1	500	<0.376	95	84.4 - 106
m,p-Xylene	962	µg/Kg	1	1000	<0.714	96	84 - 108
Bromoform	540	µg/Kg	1	500	<0.426	108	77 - 139
Styrene	513	µg/Kg	1	500	<0.796	103	87.6 - 122
o-Xylene	492	µg/Kg	1	500	<0.679	98	86.6 - 111
1,1,2,2-Tetrachloroethane	499	µg/Kg	1	500	<0.703	100	76.4 - 124
2-Chlorotoluene	472	µg/Kg	1	500	<1.26	94	81.7 - 115
1,2,3-Trichloropropane	486	µg/Kg	1	500	<0.504	97	75.7 - 134
Isopropylbenzene	482	µg/Kg	1	500	<1.30	96	81 - 118
Bromobenzene	475	µg/Kg	1	500	<0.480	95	82.7 - 121
n-Propylbenzene	463	µg/Kg	1	500	<0.421	93	73.4 - 115
1,3,5-Trimethylbenzene	478	µg/Kg	1	500	<2.10	96	76 - 113
tert-Butylbenzene	487	µg/Kg	1	500	<0.410	97	70 - 116
1,2,4-Trimethylbenzene	488	µg/Kg	1	500	<0.535	98	78.6 - 115

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,4-Dichlorobenzene (para)	465	µg/Kg	1	500	<0.387	93	78.6 - 109
sec-Butylbenzene	480	µg/Kg	1	500	<0.632	96	64 - 114
1,3-Dichlorobenzene (meta)	480	µg/Kg	1	500	<0.534	96	86.8 - 109
p-Isopropyltoluene	490	µg/Kg	1	500	<0.679	98	64.8 - 115
4-Chlorotoluene	476	µg/Kg	1	500	<0.675	95	83.3 - 117
1,2-Dichlorobenzene (ortho)	498	µg/Kg	1	500	<0.475	100	88.4 - 110
n-Butylbenzene	484	µg/Kg	1	500	<0.979	97	61.5 - 112
1,2-Dibromo-3-chloropropane	533	µg/Kg	1	500	<0.883	107	47.4 - 147
1,2,3-Trichlorobenzene	562	µg/Kg	1	500	<3.64	112	19.4 - 159
1,2,4-Trichlorobenzene	501	µg/Kg	1	500	<2.28	100	37.6 - 135
Naphthalene	623	µg/Kg	1	500	<4.41	125	20.8 - 179
Hexachlorobutadiene	447	µg/Kg	1	500	<3.24	89	54.5 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	499	µg/Kg	1	500	<0.825	100	85 - 114	1	20
Dichlorodifluoromethane	453	µg/Kg	1	500	<0.889	91	57.1 - 129	6	20
Chloromethane (methyl chloride)	447	µg/Kg	1	500	<0.929	89	66.7 - 111	2	20
Vinyl Chloride	471	µg/Kg	1	500	<0.463	94	66.6 - 116	4	20
Bromomethane (methyl bromide)	464	µg/Kg	1	500	<1.71	93	43.4 - 143	2	20
Chloroethane	454	µg/Kg	1	500	<3.68	91	44.9 - 135	2	20
Trichlorofluoromethane	516	µg/Kg	1	500	<0.306	103	57.6 - 131	3	20
Acetone	580	µg/Kg	1	500	<1.70	116	16.7 - 142	5	20
Iodomethane (methyl iodide)	509	µg/Kg	1	500	<0.640	102	81.1 - 116	0	20
Carbon Disulfide	483	µg/Kg	1	500	<0.346	97	79.7 - 112	3	20
Acrylonitrile	514	µg/Kg	1	500	<1.51	103	74.9 - 124	1	20
2-Butanone (MEK)	528	µg/Kg	1	500	<3.78	106	50.9 - 124	4	20
4-Methyl-2-pentanone (MIBK)	531	µg/Kg	1	500	<7.86	106	71.2 - 134	1	20
2-Hexanone	522	µg/Kg	1	500	<5.70	104	43.1 - 135	2	20
trans 1,4-Dichloro-2-butene	489	µg/Kg	1	500	<1.33	98	46 - 134	0	20
1,1-Dichloroethene	487	µg/Kg	1	500	<0.639	97	76 - 118	1	20
Methylene chloride	487	µg/Kg	1	500	<1.19	97	64.4 - 110	1	20
MTBE	509	µg/Kg	1	500	<0.362	102	84.8 - 120	1	20
trans-1,2-Dichloroethene	483	µg/Kg	1	500	<0.419	97	82 - 112	0	20
1,1-Dichloroethane	487	µg/Kg	1	500	<0.257	97	81.4 - 113	1	20
cis-1,2-Dichloroethene	500	µg/Kg	1	500	<0.627	100	84.9 - 113	0	20
2,2-Dichloropropane	461	µg/Kg	1	500	<0.593	92	35.1 - 136	3	20
1,2-Dichloroethane (EDC)	477	µg/Kg	1	500	<0.524	95	35.1 - 136	1	20
Chloroform	486	µg/Kg	1	500	<0.440	97	81 - 115	1	20
1,1,1-Trichloroethane	488	µg/Kg	1	500	<0.750	98	80.2 - 113	1	20
1,1-Dichloropropene	487	µg/Kg	1	500	<0.622	97	75.4 - 113	1	20
Benzene	485	µg/Kg	1	500	<0.644	97	84.6 - 114	0	20
Carbon Tetrachloride	496	µg/Kg	1	500	<0.485	99	86.6 - 113	0	20
1,2-Dichloropropane	491	µg/Kg	1	500	<0.547	98	67 - 127	0	20
Trichloroethene (TCE)	494	µg/Kg	1	500	<0.836	99	84.9 - 115	0	20
Dibromomethane (methylene bromide)	498	µg/Kg	1	500	<0.435	100	92.6 - 114	1	20
Bromodichloromethane	494	µg/Kg	1	500	<0.457	99	87.7 - 114	0	20
2-Chloroethyl vinyl ether	497	µg/Kg	1	500	<0.547	99	81.1 - 121	0	20
cis-1,3-Dichloropropene	511	µg/Kg	1	500	<0.596	102	84.9 - 115	0	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
trans-1,3-Dichloropropene	506	µg/Kg	1	500	<0.561	101	85.8 - 118	0	20
Toluene	461	µg/Kg	1	500	<1.12	92	80.7 - 109	0	20
1,1,2-Trichloroethane	482	µg/Kg	1	500	<3.25	96	89 - 115	1	20
1,3-Dichloropropane	485	µg/Kg	1	500	<0.505	97	90.3 - 115	1	20
Dibromochloromethane	511	µg/Kg	1	500	<0.552	102	82.6 - 129	0	20
1,2-Dibromoethane (EDB)	509	µg/Kg	1	500	<0.688	102	93.3 - 117	0	20
Tetrachloroethene (PCE)	480	µg/Kg	1	500	<0.826	96	50.2 - 143	0	20
Chlorobenzene	469	µg/Kg	1	500	<0.426	94	86.1 - 111	0	20
1,1,1,2-Tetrachloroethane	504	µg/Kg	1	500	<0.289	101	81.4 - 122	0	20
Ethylbenzene	475	µg/Kg	1	500	<0.376	95	84.4 - 106	0	20
m,p-Xylene	956	µg/Kg	1	1000	<0.714	96	84 - 108	1	20
Bromoform	544	µg/Kg	1	500	<0.426	109	77 - 139	1	20
Styrene	514	µg/Kg	1	500	<0.796	103	87.6 - 122	0	20
o-Xylene	490	µg/Kg	1	500	<0.679	98	86.6 - 111	0	20
1,1,2,2-Tetrachloroethane	498	µg/Kg	1	500	<0.703	100	76.4 - 124	0	20
2-Chlorotoluene	466	µg/Kg	1	500	<1.26	93	81.7 - 115	1	20
1,2,3-Trichloropropane	482	µg/Kg	1	500	<0.504	96	75.7 - 134	1	20
Isopropylbenzene	479	µg/Kg	1	500	<1.30	96	81 - 118	1	20
Bromobenzene	471	µg/Kg	1	500	<0.480	94	82.7 - 121	1	20
n-Propylbenzene	460	µg/Kg	1	500	<0.421	92	73.4 - 115	1	20
1,3,5-Trimethylbenzene	475	µg/Kg	1	500	<2.10	95	76 - 113	1	20
tert-Butylbenzene	485	µg/Kg	1	500	<0.410	97	70 - 116	0	20
1,2,4-Trimethylbenzene	481	µg/Kg	1	500	<0.535	96	78.6 - 115	1	20
1,4-Dichlorobenzene (para)	458	µg/Kg	1	500	<0.387	92	78.6 - 109	2	20
sec-Butylbenzene	471	µg/Kg	1	500	<0.632	94	64 - 114	2	20
1,3-Dichlorobenzene (meta)	474	µg/Kg	1	500	<0.534	95	86.8 - 109	1	20
p-Isopropyltoluene	483	µg/Kg	1	500	<0.679	97	64.8 - 115	1	20
4-Chlorotoluene	472	µg/Kg	1	500	<0.675	94	83.3 - 117	1	20
1,2-Dichlorobenzene (ortho)	489	µg/Kg	1	500	<0.475	98	88.4 - 110	2	20
n-Butylbenzene	474	µg/Kg	1	500	<0.979	95	61.5 - 112	2	20
1,2-Dibromo-3-chloropropane	535	µg/Kg	1	500	<0.883	107	47.4 - 147	0	20
1,2,3-Trichlorobenzene	601	µg/Kg	1	500	<3.64	120	19.4 - 159	7	20
1,2,4-Trichlorobenzene	509	µg/Kg	1	500	<2.28	102	37.6 - 135	2	20
Naphthalene	642	µg/Kg	1	500	<4.41	128	20.8 - 179	3	20
Hexachlorobutadiene	469	µg/Kg	1	500	<3.24	94	54.5 - 128	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	515	513	µg/Kg	1	500	103	103	79.7 - 120
Toluene-d8	491	498	µg/Kg	1	500	98	100	86.8 - 107
4-Bromofluorobenzene (4-BFB)	503	514	µg/Kg	1	500	101	103	82.5 - 116

Laboratory Control Spike (LCS-1)

QC Batch: 39098 Date Analyzed: 2007-07-12 Analyzed By: DS
Prep Batch: 33842 QC Preparation: 2007-07-10 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.97	mg/Kg	1	2.67	0	74	10 - 117
2-Chlorophenol	1.86	mg/Kg	1	2.67	0	70	10 - 117
1,4-Dichlorobenzene (para)	1.74	mg/Kg	1	2.67	0	65	10 - 116
N-Nitrosodi-n-propylamine	2.65	mg/Kg	1	2.67	0	99	10 - 121
1,2,4-Trichlorobenzene	1.98	mg/Kg	1	2.67	0	74	10 - 126
Naphthalene	1.90	mg/Kg	1	2.67	0	71	10 - 165
4-Chloro-3-methylphenol	2.31	mg/Kg	1	2.67	0	86	10 - 148
Acenaphthylene	2.23	mg/Kg	1	2.67	0	84	10 - 165
Acenaphthene	2.06	mg/Kg	1	2.67	0	77	10 - 154
Dibenzofuran	2.23	mg/Kg	1	2.67	0	84	10 - 165
4-Nitrophenol	1.90	mg/Kg	1	2.67	0	71	10 - 142
2,4-Dinitrotoluene	2.15	mg/Kg	1	2.67	0	80	10 - 170
Fluorene	2.15	mg/Kg	1	2.67	0	80	10 - 165
Pentachlorophenol	1.33	mg/Kg	1	2.67	0	50	10 - 145
Anthracene	2.34	mg/Kg	1	2.67	0	88	10 - 165
Phenanthrene	2.30	mg/Kg	1	2.67	0	86	10 - 165
Fluoranthene	2.66	mg/Kg	1	2.67	0	100	10 - 165
Pyrene	2.08	mg/Kg	1	2.67	0	78	10 - 227
Benzo(a)anthracene	2.16	mg/Kg	1	2.67	0	81	10 - 165
Chrysene	2.28	mg/Kg	1	2.67	0	85	10 - 165
Benzo(b)fluoranthene	2.14	mg/Kg	1	2.67	0	80	10 - 165
Benzo(k)fluoranthene	2.36	mg/Kg	1	2.67	0	88	10 - 165
Benzo(a)pyrene	2.42	mg/Kg	1	2.67	0	91	10 - 165
Indeno(1,2,3-cd)pyrene	2.66	mg/Kg	1	2.67	0	100	10 - 165
Dibenzo(a,h)anthracene	2.58	mg/Kg	1	2.67	0	97	10 - 165
Benzo(g,h,i)perylene	2.56	mg/Kg	1	2.67	0	96	10 - 165

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	1.84	mg/Kg	1	2.67	0	69	10 - 117	7	20
2-Chlorophenol	1.77	mg/Kg	1	2.67	0	66	10 - 117	5	20
1,4-Dichlorobenzene (para)	1.69	mg/Kg	1	2.67	0	63	10 - 116	3	20
N-Nitrosodi-n-propylamine	2.43	mg/Kg	1	2.67	0	91	10 - 121	9	20
1,2,4-Trichlorobenzene	1.90	mg/Kg	1	2.67	0	71	10 - 126	4	20
Naphthalene	1.82	mg/Kg	1	2.67	0	68	10 - 165	4	20
4-Chloro-3-methylphenol	2.23	mg/Kg	1	2.67	0	84	10 - 148	4	20
Acenaphthylene	2.12	mg/Kg	1	2.67	0	79	10 - 165	5	20
Acenaphthene	2.00	mg/Kg	1	2.67	0	75	10 - 154	3	20
Dibenzofuran	2.16	mg/Kg	1	2.67	0	81	10 - 165	3	20
4-Nitrophenol	1.90	mg/Kg	1	2.67	0	71	10 - 142	0	20
2,4-Dinitrotoluene	2.15	mg/Kg	1	2.67	0	80	10 - 170	0	20
Fluorene	2.08	mg/Kg	1	2.67	0	78	10 - 165	3	20
Pentachlorophenol	1.30	mg/Kg	1	2.67	0	49	10 - 145	2	20
Anthracene	2.25	mg/Kg	1	2.67	0	84	10 - 165	4	20
Phenanthrene	2.21	mg/Kg	1	2.67	0	83	10 - 165	4	20
Fluoranthene	2.53	mg/Kg	1	2.67	0	95	10 - 165	5	20
Pyrene	2.03	mg/Kg	1	2.67	0	76	10 - 227	2	20
Benzo(a)anthracene	2.08	mg/Kg	1	2.67	0	78	10 - 165	4	20
Chrysene	2.18	mg/Kg	1	2.67	0	82	10 - 165	4	20
Benzo(b)fluoranthene	2.02	mg/Kg	1	2.67	0	76	10 - 165	6	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzo(k)fluoranthene	2.25	mg/Kg	1	2.67	0	84	10 - 165	5	20
Benzo(a)pyrene	2.32	mg/Kg	1	2.67	0	87	10 - 165	4	20
Indeno(1,2,3-cd)pyrene	2.50	mg/Kg	1	2.67	0	94	10 - 165	6	20
Dibenzo(a,h)anthracene	2.42	mg/Kg	1	2.67	0	91	10 - 165	6	20
Benzo(g,h,i)perylene	2.45	mg/Kg	1	2.67	0	92	10 - 165	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	1.78	1.71	mg/Kg	1	2.67	67	64	10 - 103
Phenol-d5	2.14	2.00	mg/Kg	1	2.67	80	75	10 - 120
Nitrobenzene-d5	2.06	2.02	mg/Kg	1	2.67	77	76	10 - 125
2-Fluorobiphenyl	2.25	2.14	mg/Kg	1	2.67	84	80	10 - 123
2,4,6-Tribromophenol	2.55	2.55	mg/Kg	1	2.67	96	96	14.4 - 145
Terphenyl-d14	2.37	2.29	mg/Kg	1	2.67	89	86	16.3 - 168

Matrix Spike (MS-1) Spiked Sample: 129380

QC Batch: 38931 Date Analyzed: 2007-07-10 Analyzed By: TG
Prep Batch: 33695 QC Preparation: 2007-07-10 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	285	mg/Kg	1	250	<10.7	114	47.5 - 127

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	283	mg/Kg	1	250	<10.7	113	47.5 - 127	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	186	190	mg/Kg	1	150	124	127	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 129381

QC Batch: 39054 Date Analyzed: 2007-07-12 Analyzed By: JG
Prep Batch: 33811 QC Preparation: 2007-07-12 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	519	µg/Kg	1	500	<0.825	104	70.6 - 131
Dichlorodifluoromethane	351	µg/Kg	1	500	<0.889	70	52.9 - 135
Chloromethane (methyl chloride)	350	µg/Kg	1	500	<0.929	70	60.7 - 119
Vinyl Chloride	416	µg/Kg	1	500	<0.463	83	66 - 119
Bromomethane (methyl bromide)	86.5	µg/Kg	1	500	<1.71	17	15.5 - 148

continued ...

matrix spikes continued ...

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloroethane	[1]	55.2	µg/Kg	1	500	<3.68	11	42.5 - 123
Trichlorofluoromethane	[2]	55.5	µg/Kg	1	500	<0.306	11	50.7 - 144
Acetone		719	µg/Kg	1	500	<1.70	144	10 - 161
Iodomethane (methyl iodide)		528	µg/Kg	1	500	<0.640	106	75.9 - 111
Carbon Disulfide		433	µg/Kg	1	500	<0.346	87	64 - 121
Acrylonitrile		497	µg/Kg	1	500	<1.51	99	77.7 - 116
2-Butanone (MEK)		635	µg/Kg	1	500	<3.78	127	28.3 - 136
4-Methyl-2-pentanone (MIBK)		488	µg/Kg	1	500	<7.86	98	78.8 - 115
2-Hexanone		467	µg/Kg	1	500	<5.70	93	34.9 - 129
trans 1,4-Dichloro-2-butene		406	µg/Kg	1	500	<1.33	81	43.6 - 112
1,1-Dichloroethene		499	µg/Kg	1	500	<0.639	100	76.1 - 115
Methylene chloride		504	µg/Kg	1	500	<1.19	101	59.4 - 113
MTBE		491	µg/Kg	1	500	<0.362	98	60 - 129
trans-1,2-Dichloroethene		511	µg/Kg	1	500	<0.419	102	78.2 - 110
1,1-Dichloroethane		490	µg/Kg	1	500	<0.257	98	79.7 - 111
cis-1,2-Dichloroethene		514	µg/Kg	1	500	<0.627	103	78.6 - 111
2,2-Dichloropropane		406	µg/Kg	1	500	<0.593	81	10 - 120
1,2-Dichloroethane (EDC)		438	µg/Kg	1	500	<0.524	88	75.7 - 123
Chloroform		488	µg/Kg	1	500	<0.440	98	78.4 - 116
1,1,1-Trichloroethane		463	µg/Kg	1	500	<0.750	93	68.9 - 119
1,1-Dichloropropene		506	µg/Kg	1	500	<0.622	101	80.3 - 120
Benzene		508	µg/Kg	1	500	<0.644	102	82.1 - 110
Carbon Tetrachloride		466	µg/Kg	1	500	<0.485	93	60.8 - 138
1,2-Dichloropropane		495	µg/Kg	1	500	<0.547	99	84.2 - 111
Trichloroethene (TCE)		622	µg/Kg	1	500	<0.836	124	75.5 - 129
Dibromomethane (methylene bromide)		498	µg/Kg	1	500	<0.435	100	81.8 - 117
Bromodichloromethane		475	µg/Kg	1	500	<0.457	95	70 - 130
2-Chloroethyl vinyl ether		502	µg/Kg	1	500	<0.547	100	84.2 - 111
cis-1,3-Dichloropropene		504	µg/Kg	1	500	<0.596	101	75.3 - 114
trans-1,3-Dichloropropene		477	µg/Kg	1	500	<0.561	95	75.7 - 117
Toluene		478	µg/Kg	1	500	<1.12	96	82.3 - 108
1,1,2-Trichloroethane		481	µg/Kg	1	500	<3.25	96	83.4 - 113
1,3-Dichloropropane		476	µg/Kg	1	500	<0.505	95	88.2 - 115
Dibromochloromethane		478	µg/Kg	1	500	<0.552	96	78.2 - 127
1,2-Dibromoethane (EDB)		529	µg/Kg	1	500	<0.688	106	88.9 - 115
Tetrachloroethene (PCE)		971	µg/Kg	1	500	<0.826	194	35.1 - 201
Chlorobenzene		508	µg/Kg	1	500	<0.426	102	84.1 - 111
1,1,1,2-Tetrachloroethane		501	µg/Kg	1	500	<0.289	100	77.2 - 129
Ethylbenzene		499	µg/Kg	1	500	<0.376	100	81.2 - 113
m,p-Xylene		1000	µg/Kg	1	1000	<0.714	100	79 - 118
Bromoform		451	µg/Kg	1	500	<0.426	90	70.1 - 136
Styrene		545	µg/Kg	1	500	<0.796	109	86.8 - 112
o-Xylene		510	µg/Kg	1	500	<0.679	102	78.7 - 120
1,1,2,2-Tetrachloroethane		369	µg/Kg	1	500	<0.703	74	55.8 - 131
2-Chlorotoluene		497	µg/Kg	1	500	<1.26	99	72.4 - 128
1,2,3-Trichloropropane		442	µg/Kg	1	500	<0.504	88	80.5 - 119
Isopropylbenzene		519	µg/Kg	1	500	<1.30	104	73.5 - 130
Bromobenzene		482	µg/Kg	1	500	<0.480	96	75.5 - 129

continued ...

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
n-Propylbenzene		494	µg/Kg	1	500	<0.421	99	70.5 - 123
1,3,5-Trimethylbenzene		524	µg/Kg	1	500	<2.10	105	59.2 - 141
tert-Butylbenzene		554	µg/Kg	1	500	<0.410	111	55.6 - 142
1,2,4-Trimethylbenzene		532	µg/Kg	1	500	<0.535	106	50 - 150
1,4-Dichlorobenzene (para)		517	µg/Kg	1	500	<0.387	103	63.6 - 127
sec-Butylbenzene		549	µg/Kg	1	500	<0.632	110	52.8 - 134
1,3-Dichlorobenzene (meta)		539	µg/Kg	1	500	<0.534	108	75.6 - 125
p-Isopropyltoluene		576	µg/Kg	1	500	<0.679	115	46.1 - 145
4-Chlorotoluene		513	µg/Kg	1	500	<0.675	103	78.4 - 126
1,2-Dichlorobenzene (ortho)		545	µg/Kg	1	500	<0.475	109	76.3 - 127
n-Butylbenzene		584	µg/Kg	1	500	<0.979	117	45.3 - 135
1,2-Dibromo-3-chloropropane		464	µg/Kg	1	500	<0.883	93	60.8 - 136
1,2,3-Trichlorobenzene	[3]	705	µg/Kg	1	500	<3.64	141	20.8 - 136
1,2,4-Trichlorobenzene		712	µg/Kg	1	500	<2.28	142	15 - 172
Naphthalene		609	µg/Kg	1	500	<4.41	122	10 - 219
Hexachlorobutadiene	[4]	690	µg/Kg	1	500	<3.24	138	55.4 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		516	µg/Kg	1	500	<0.825	103	70.6 - 131	1	20
Dichlorodifluoromethane		349	µg/Kg	1	500	<0.889	70	52.9 - 135	1	20
Chloromethane (methyl chloride)		354	µg/Kg	1	500	<0.929	71	60.7 - 119	1	20
Vinyl Chloride		420	µg/Kg	1	500	<0.463	84	66 - 119	1	20
Bromomethane (methyl bromide)		82.8	µg/Kg	1	500	<1.71	16	15.5 - 148	4	20
Chloroethane	[5]	52.2	µg/Kg	1	500	<3.68	10	42.5 - 123	6	20
Trichlorofluoromethane	[6]	51.6	µg/Kg	1	500	<0.306	10	50.7 - 144	7	20
Acetone		761	µg/Kg	1	500	<1.70	152	10 - 161	6	20
Iodomethane (methyl iodide)		518	µg/Kg	1	500	<0.640	104	75.9 - 111	2	20
Carbon Disulfide		413	µg/Kg	1	500	<0.346	83	64 - 121	5	20
Acrylonitrile		486	µg/Kg	1	500	<1.51	97	77.7 - 116	2	20
2-Butanone (MEK)		628	µg/Kg	1	500	<3.78	126	28.3 - 136	1	20
4-Methyl-2-pentanone (MIBK)		481	µg/Kg	1	500	<7.86	96	78.8 - 115	1	20
2-Hexanone		451	µg/Kg	1	500	<5.70	90	34.9 - 129	4	20
trans 1,4-Dichloro-2-butene		398	µg/Kg	1	500	<1.33	80	43.6 - 112	2	20
1,1-Dichloroethene		488	µg/Kg	1	500	<0.639	98	76.1 - 115	2	20
Methylene chloride		493	µg/Kg	1	500	<1.19	99	59.4 - 113	2	20
MTBE		482	µg/Kg	1	500	<0.362	96	60 - 129	2	20
trans-1,2-Dichloroethene		496	µg/Kg	1	500	<0.419	99	78.2 - 110	3	20
1,1-Dichloroethane		478	µg/Kg	1	500	<0.257	96	79.7 - 111	2	20
cis-1,2-Dichloroethene		509	µg/Kg	1	500	<0.627	102	78.6 - 111	1	20
2,2-Dichloropropane		388	µg/Kg	1	500	<0.593	78	10 - 120	4	20
1,2-Dichloroethane (EDC)		433	µg/Kg	1	500	<0.524	87	75.7 - 123	1	20
Chloroform		482	µg/Kg	1	500	<0.440	96	78.4 - 116	1	20
1,1,1-Trichloroethane		455	µg/Kg	1	500	<0.750	91	68.9 - 119	2	20
1,1-Dichloropropene		502	µg/Kg	1	500	<0.622	100	80.3 - 120	1	20

continued ...

[3] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[4] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[5] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[6] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued ...

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		510	µg/Kg	1	500	<0.644	102	82.1 - 110	0	20
Carbon Tetrachloride		465	µg/Kg	1	500	<0.485	93	60.8 - 138	0	20
1,2-Dichloropropane		498	µg/Kg	1	500	<0.547	100	84.2 - 111	1	20
Trichloroethene (TCE)	[7]	666	µg/Kg	1	500	<0.836	133	75.5 - 129	7	20
Dibromomethane (methylene bromide)		502	µg/Kg	1	500	<0.435	100	81.8 - 117	1	20
Bromodichloromethane		477	µg/Kg	1	500	<0.457	95	70 - 130	0	20
2-Chloroethyl vinyl ether		505	µg/Kg	1	500	<0.547	101	84.2 - 111	1	20
cis-1,3-Dichloropropene		508	µg/Kg	1	500	<0.596	102	75.3 - 114	1	20
trans-1,3-Dichloropropene		481	µg/Kg	1	500	<0.561	96	75.7 - 117	1	20
Toluene		481	µg/Kg	1	500	<1.12	96	82.3 - 108	1	20
1,1,2-Trichloroethane		486	µg/Kg	1	500	<3.25	97	83.4 - 113	1	20
1,3-Dichloropropane		477	µg/Kg	1	500	<0.505	95	88.2 - 115	0	20
Dibromochloromethane		482	µg/Kg	1	500	<0.552	96	78.2 - 127	1	20
1,2-Dibromoethane (EDB)		534	µg/Kg	1	500	<0.688	107	88.9 - 115	1	20
Tetrachloroethene (PCE)		986	µg/Kg	1	500	<0.826	197	35.1 - 201	2	20
Chlorobenzene		514	µg/Kg	1	500	<0.426	103	84.1 - 111	1	20
1,1,1,2-Tetrachloroethane		507	µg/Kg	1	500	<0.289	101	77.2 - 129	1	20
Ethylbenzene		503	µg/Kg	1	500	<0.376	101	81.2 - 113	1	20
m,p-Xylene		1000	µg/Kg	1	1000	<0.714	100	79 - 118	0	20
Bromoform		456	µg/Kg	1	500	<0.426	91	70.1 - 136	1	20
Styrene		554	µg/Kg	1	500	<0.796	111	86.8 - 112	2	20
o-Xylene		513	µg/Kg	1	500	<0.679	103	78.7 - 120	1	20
1,1,2,2-Tetrachloroethane		322	µg/Kg	1	500	<0.703	64	55.8 - 131	14	20
2-Chlorotoluene		501	µg/Kg	1	500	<1.26	100	72.4 - 128	1	20
1,2,3-Trichloropropane		443	µg/Kg	1	500	<0.504	89	80.5 - 119	0	20
Isopropylbenzene		526	µg/Kg	1	500	<1.30	105	73.5 - 130	1	20
Bromobenzene		484	µg/Kg	1	500	<0.480	97	75.5 - 129	0	20
n-Propylbenzene		497	µg/Kg	1	500	<0.421	99	70.5 - 123	1	20
1,3,5-Trimethylbenzene		525	µg/Kg	1	500	<2.10	105	59.2 - 141	0	20
tert-Butylbenzene		558	µg/Kg	1	500	<0.410	112	55.6 - 142	1	20
1,2,4-Trimethylbenzene		538	µg/Kg	1	500	<0.535	108	50 - 150	1	20
1,4-Dichlorobenzene (para)		530	µg/Kg	1	500	<0.387	106	63.6 - 127	2	20
sec-Butylbenzene		556	µg/Kg	1	500	<0.632	111	52.8 - 134	1	20
1,3-Dichlorobenzene (meta)		547	µg/Kg	1	500	<0.534	109	75.6 - 125	2	20
p-Isopropyltoluene		581	µg/Kg	1	500	<0.679	116	46.1 - 145	1	20
4-Chlorotoluene		521	µg/Kg	1	500	<0.675	104	78.4 - 126	2	20
1,2-Dichlorobenzene (ortho)		554	µg/Kg	1	500	<0.475	111	76.3 - 127	2	20
n-Butylbenzene		589	µg/Kg	1	500	<0.979	118	45.3 - 135	1	20
1,2-Dibromo-3-chloropropane		471	µg/Kg	1	500	<0.883	94	60.8 - 136	2	20
1,2,3-Trichlorobenzene	[8]	801	µg/Kg	1	500	<3.64	160	20.8 - 136	13	20
1,2,4-Trichlorobenzene		757	µg/Kg	1	500	<2.28	151	15 - 172	6	20
Naphthalene		643	µg/Kg	1	500	<4.41	129	10 - 219	5	20
Hexachlorobutadiene	[9]	730	µg/Kg	1	500	<3.24	146	55.4 - 122	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

[7] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[8] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[9] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued . . .

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	471	467	μg/Kg	1	500	94	93	79.1 - 110
Toluene-d8	484	491	μg/Kg	1	500	97	98	84.3 - 108
4-Bromofluorobenzene (4-BFB)	495	501	μg/Kg	1	500	99	100	84.5 - 109

Matrix Spike (MS-1) Spiked Sample: 129384

QC Batch: 39098 Date Analyzed: 2007-07-12 Analyzed By: DS
Prep Batch: 33842 QC Preparation: 2007-07-10 Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.58	mg/Kg	1	2.67	0	59	10 - 117
2-Chlorophenol	1.50	mg/Kg	1	2.67	0	56	10 - 117
1,4-Dichlorobenzene (para)	1.36	mg/Kg	1	2.67	0	51	10 - 116
N-Nitrosodi-n-propylamine	2.02	mg/Kg	1	2.67	0	76	10 - 121
1,2,4-Trichlorobenzene	1.58	mg/Kg	1	2.67	0	59	10 - 126
Naphthalene	1.62	mg/Kg	1	2.67	0	61	10 - 165
4-Chloro-3-methylphenol	2.04	mg/Kg	1	2.67	0	76	10 - 148
Acenaphthylene	1.97	mg/Kg	1	2.67	0	74	10 - 165
Acenaphthene	1.85	mg/Kg	1	2.67	0	69	10 - 154
Dibenzofuran	2.03	mg/Kg	1	2.67	0	76	10 - 165
4-Nitrophenol	1.80	mg/Kg	1	2.67	0	67	10 - 142
2,4-Dinitrotoluene	1.91	mg/Kg	1	2.67	0	72	10 - 170
Fluorene	2.02	mg/Kg	1	2.67	0	76	10 - 165
Pentachlorophenol	1.85	mg/Kg	1	2.67	0	69	10 - 145
Anthracene	2.14	mg/Kg	1	2.67	0	80	10 - 165
Phenanthrene	2.11	mg/Kg	1	2.67	0	79	10 - 165
Fluoranthene	2.41	mg/Kg	1	2.67	0	90	10 - 165
Pyrene	1.91	mg/Kg	1	2.67	0	72	10 - 227
Benzo(a)anthracene	2.00	mg/Kg	1	2.67	0	75	10 - 165
Chrysene	2.08	mg/Kg	1	2.67	0	78	10 - 165
Benzo(b)fluoranthene	1.95	mg/Kg	1	2.67	0	73	10 - 165
Benzo(k)fluoranthene	2.20	mg/Kg	1	2.67	0	82	10 - 165
Benzo(a)pyrene	2.22	mg/Kg	1	2.67	0	83	10 - 165
Indeno(1,2,3-cd)pyrene	2.41	mg/Kg	1	2.67	0	90	10 - 165
Dibenzo(a,h)anthracene	2.34	mg/Kg	1	2.67	0	88	10 - 165
Benzo(g,h,i)perylene	2.33	mg/Kg	1	2.67	0	87	10 - 165

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	1.62	mg/Kg	1	2.67	0	61	10 - 117	2	20
2-Chlorophenol	1.54	mg/Kg	1	2.67	0	58	10 - 117	3	20
1,4-Dichlorobenzene (para)	1.41	mg/Kg	1	2.67	0	53	10 - 116	4	20
N-Nitrosodi-n-propylamine	2.11	mg/Kg	1	2.67	0	79	10 - 121	4	20
1,2,4-Trichlorobenzene	1.61	mg/Kg	1	2.67	0	60	10 - 126	2	20

continued . . .

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Naphthalene	1.65	mg/Kg	1	2.67	0	62	10 - 165	2	20
4-Chloro-3-methylphenol	2.12	mg/Kg	1	2.67	0	79	10 - 148	4	20
Acenaphthylene	2.00	mg/Kg	1	2.67	0	75	10 - 165	2	20
Acenaphthene	1.90	mg/Kg	1	2.67	0	71	10 - 154	3	20
Dibenzofuran	2.08	mg/Kg	1	2.67	0	78	10 - 165	2	20
4-Nitrophenol	1.81	mg/Kg	1	2.67	0	68	10 - 142	1	20
2,4-Dinitrotoluene	1.94	mg/Kg	1	2.67	0	73	10 - 170	2	20
Fluorene	2.04	mg/Kg	1	2.67	0	76	10 - 165	1	20
Pentachlorophenol	1.88	mg/Kg	1	2.67	0	70	10 - 145	2	20
Anthracene	2.18	mg/Kg	1	2.67	0	82	10 - 165	2	20
Phenanthrene	2.17	mg/Kg	1	2.67	0	81	10 - 165	3	20
Fluoranthene	2.43	mg/Kg	1	2.67	0	91	10 - 165	1	20
Pyrene	1.94	mg/Kg	1	2.67	0	73	10 - 227	2	20
Benzo(a)anthracene	2.03	mg/Kg	1	2.67	0	76	10 - 165	2	20
Chrysene	2.11	mg/Kg	1	2.67	0	79	10 - 165	1	20
Benzo(b)fluoranthene	2.01	mg/Kg	1	2.67	0	75	10 - 165	3	20
Benzo(k)fluoranthene	2.21	mg/Kg	1	2.67	0	83	10 - 165	0	20
Benzo(a)pyrene	2.27	mg/Kg	1	2.67	0	85	10 - 165	2	20
Indeno(1,2,3-cd)pyrene	2.45	mg/Kg	1	2.67	0	92	10 - 165	2	20
Dibenzo(a,h)anthracene	2.38	mg/Kg	1	2.67	0	89	10 - 165	2	20
Benzo(g,h,i)perylene	2.40	mg/Kg	1	2.67	0	90	10 - 165	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	1.43	1.47	mg/Kg	1	2.67	54	55	10 - 103
Phenol-d5	1.69	1.74	mg/Kg	1	2.67	63	65	10 - 120
Nitrobenzene-d5	1.71	1.74	mg/Kg	1	2.67	64	65	10 - 125
2-Fluorobiphenyl	1.93	1.97	mg/Kg	1	2.67	72	74	10 - 123
2,4,6-Tribromophenol	2.53	2.53	mg/Kg	1	2.67	95	95	14.4 - 145
Terphenyl-d14	2.20	2.24	mg/Kg	1	2.67	82	84	16.3 - 168

Standard (ICV-1)

QC Batch: 38931 Date Analyzed: 2007-07-10 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	249	100	85 - 115	2007-07-10

Standard (CCV-1)

QC Batch: 38931 Date Analyzed: 2007-07-10 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	249	100	85 - 115	2007-07-10

Standard (CCV-1)

QC Batch: 39054 Date Analyzed: 2007-07-12 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/Kg	50.0	48.8	98	70 - 130	2007-07-12
Dichlorodifluoromethane		µg/Kg	50.0	46.7	93	70 - 130	2007-07-12
Chloromethane (methyl chloride)		µg/Kg	50.0	42.2	84	70 - 130	2007-07-12
Vinyl Chloride		µg/Kg	50.0	43.6	87	80 - 120	2007-07-12
Bromomethane (methyl bromide)		µg/Kg	50.0	41.0	82	70 - 130	2007-07-12
Chloroethane		µg/Kg	50.0	40.2	80	70 - 130	2007-07-12
Trichlorofluoromethane		µg/Kg	50.0	51.2	102	70 - 130	2007-07-12
Acetone	[10]	µg/Kg	50.0	261	522	70 - 130	2007-07-12
Iodomethane (methyl iodide)		µg/Kg	50.0	49.1	98	70 - 130	2007-07-12
Carbon Disulfide		µg/Kg	50.0	46.7	93	70 - 130	2007-07-12
Acrylonitrile		µg/Kg	50.0	47.8	96	70 - 130	2007-07-12
2-Butanone (MEK)	[11]	µg/Kg	50.0	75.3	151	70 - 130	2007-07-12
4-Methyl-2-pentanone (MIBK)		µg/Kg	50.0	52.7	105	70 - 130	2007-07-12
2-Hexanone		µg/Kg	50.0	55.6	111	70 - 130	2007-07-12
trans 1,4-Dichloro-2-butene		µg/Kg	50.0	46.5	93	70 - 130	2007-07-12
1,1-Dichloroethene		µg/Kg	50.0	47.4	95	80 - 120	2007-07-12
Methylene chloride		µg/Kg	50.0	54.0	108	70 - 130	2007-07-12
MTBE		µg/Kg	50.0	48.2	96	70 - 130	2007-07-12
trans-1,2-Dichloroethene		µg/Kg	50.0	46.5	93	70 - 130	2007-07-12
1,1-Dichloroethane		µg/Kg	50.0	46.3	93	70 - 130	2007-07-12
cis-1,2-Dichloroethene		µg/Kg	50.0	47.7	95	70 - 130	2007-07-12
2,2-Dichloropropane		µg/Kg	50.0	49.7	99	70 - 130	2007-07-12
1,2-Dichloroethane (EDC)		µg/Kg	50.0	43.7	87	70 - 130	2007-07-12
Chloroform		µg/Kg	50.0	45.3	91	80 - 120	2007-07-12
1,1,1-Trichloroethane		µg/Kg	50.0	45.7	91	70 - 130	2007-07-12
1,1-Dichloropropene		µg/Kg	50.0	47.8	96	70 - 130	2007-07-12
Benzene		µg/Kg	50.0	47.1	94	70 - 130	2007-07-12
Carbon Tetrachloride		µg/Kg	50.0	46.2	92	70 - 130	2007-07-12
1,2-Dichloropropane		µg/Kg	50.0	46.9	94	80 - 120	2007-07-12
Trichloroethene (TCE)		µg/Kg	50.0	49.5	99	70 - 130	2007-07-12
Dibromomethane (methylene bromide)		µg/Kg	50.0	47.7	95	70 - 130	2007-07-12
Bromodichloromethane		µg/Kg	50.0	46.8	94	70 - 130	2007-07-12
2-Chloroethyl vinyl ether		µg/Kg	50.0	47.5	95	70 - 130	2007-07-12
cis-1,3-Dichloropropene		µg/Kg	50.0	50.5	101	70 - 130	2007-07-12
trans-1,3-Dichloropropene		µg/Kg	50.0	49.0	98	70 - 130	2007-07-12
Toluene		µg/Kg	50.0	45.0	90	80 - 120	2007-07-12
1,1,2-Trichloroethane		µg/Kg	50.0	47.0	94	70 - 130	2007-07-12
1,3-Dichloropropane		µg/Kg	50.0	47.0	94	70 - 130	2007-07-12
Dibromochloromethane		µg/Kg	50.0	48.2	96	70 - 130	2007-07-12
1,2-Dibromoethane (EDB)		µg/Kg	50.0	50.4	101	70 - 130	2007-07-12
Tetrachloroethene (PCE)		µg/Kg	50.0	48.0	96	70 - 130	2007-07-12
Chlorobenzene		µg/Kg	50.0	46.2	92	80 - 120	2007-07-12
1,1,1,2-Tetrachloroethane		µg/Kg	50.0	47.6	95	70 - 130	2007-07-12

continued ...

[10] Acetone outside of control limits on CCV(ICV). CCV(ICV) component average is 103 which is within acceptable range. This is acceptable by Method 8000.

[11] 2-Butanone outside of control limits on CCV(ICV). CCV(ICV) component average is 103 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ethylbenzene		µg/Kg	50.0	46.2	92	80 - 120	2007-07-12
m,p-Xylene		µg/Kg	100	92.5	92	70 - 130	2007-07-12
Bromoform		µg/Kg	50.0	49.5	99	70 - 130	2007-07-12
Styrene		µg/Kg	50.0	49.8	100	70 - 130	2007-07-12
o-Xylene		µg/Kg	50.0	47.3	95	70 - 130	2007-07-12
1,1,2,2-Tetrachloroethane		µg/Kg	50.0	47.6	95	70 - 130	2007-07-12
2-Chlorotoluene		µg/Kg	50.0	45.8	92	70 - 130	2007-07-12
1,2,3-Trichloropropane		µg/Kg	50.0	46.7	93	70 - 130	2007-07-12
Isopropylbenzene		µg/Kg	50.0	47.6	95	70 - 130	2007-07-12
Bromobenzene		µg/Kg	50.0	45.9	92	70 - 130	2007-07-12
n-Propylbenzene		µg/Kg	50.0	45.1	90	70 - 130	2007-07-12
1,3,5-Trimethylbenzene		µg/Kg	50.0	46.7	93	70 - 130	2007-07-12
tert-Butylbenzene		µg/Kg	50.0	47.6	95	70 - 130	2007-07-12
1,2,4-Trimethylbenzene		µg/Kg	50.0	47.6	95	70 - 130	2007-07-12
1,4-Dichlorobenzene (para)		µg/Kg	50.0	45.4	91	70 - 130	2007-07-12
sec-Butylbenzene		µg/Kg	50.0	46.7	93	70 - 130	2007-07-12
1,3-Dichlorobenzene (meta)		µg/Kg	50.0	47.3	95	70 - 130	2007-07-12
p-Isopropyltoluene		µg/Kg	50.0	48.1	96	70 - 130	2007-07-12
4-Chlorotoluene		µg/Kg	50.0	46.7	93	70 - 130	2007-07-12
1,2-Dichlorobenzene (ortho)		µg/Kg	50.0	48.4	97	70 - 130	2007-07-12
n-Butylbenzene		µg/Kg	50.0	47.2	94	70 - 130	2007-07-12
1,2-Dibromo-3-chloropropane		µg/Kg	50.0	49.4	99	70 - 130	2007-07-12
1,2,3-Trichlorobenzene		µg/Kg	50.0	54.3	109	70 - 130	2007-07-12
1,2,4-Trichlorobenzene		µg/Kg	50.0	51.4	103	70 - 130	2007-07-12
Naphthalene		µg/Kg	50.0	55.0	110	70 - 130	2007-07-12
Hexachlorobutadiene		µg/Kg	50.0	48.4	97	70 - 130	2007-07-12

Standard (CCV-2)

QC Batch: 39054 Date Analyzed: 2007-07-12 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/Kg	50.0	49.3	99	70 - 130	2007-07-12
Dichlorodifluoromethane		µg/Kg	50.0	41.8	84	70 - 130	2007-07-12
Chloromethane (methyl chloride)		µg/Kg	50.0	41.2	82	70 - 130	2007-07-12
Vinyl Chloride		µg/Kg	50.0	43.2	86	80 - 120	2007-07-12
Bromomethane (methyl bromide)		µg/Kg	50.0	40.3	81	70 - 130	2007-07-12
Chloroethane		µg/Kg	50.0	40.6	81	70 - 130	2007-07-12
Trichlorofluoromethane		µg/Kg	50.0	49.4	99	70 - 130	2007-07-12
Acetone		µg/Kg	50.0	48.6	97	70 - 130	2007-07-12
Iodomethane (methyl iodide)		µg/Kg	50.0	49.3	99	70 - 130	2007-07-12
Carbon Disulfide		µg/Kg	50.0	46.2	92	70 - 130	2007-07-12
Acrylonitrile		µg/Kg	50.0	47.4	95	70 - 130	2007-07-12
2-Butanone (MEK)		µg/Kg	50.0	49.0	98	70 - 130	2007-07-12
4-Methyl-2-pentanone (MIBK)		µg/Kg	50.0	49.7	99	70 - 130	2007-07-12
2-Hexanone		µg/Kg	50.0	45.1	90	70 - 130	2007-07-12
trans 1,4-Dichloro-2-butene		µg/Kg	50.0	39.9	80	70 - 130	2007-07-12

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,1-Dichloroethene		µg/Kg	50.0	46.8	94	80 - 120	2007-07-12
Methylene chloride		µg/Kg	50.0	46.8	94	70 - 130	2007-07-12
MTBE		µg/Kg	50.0	48.4	97	70 - 130	2007-07-12
trans-1,2-Dichloroethene		µg/Kg	50.0	46.6	93	70 - 130	2007-07-12
1,1-Dichloroethane		µg/Kg	50.0	46.9	94	70 - 130	2007-07-12
cis-1,2-Dichloroethene		µg/Kg	50.0	48.4	97	70 - 130	2007-07-12
2,2-Dichloropropane		µg/Kg	50.0	35.7	71	70 - 130	2007-07-12
1,2-Dichloroethane (EDC)		µg/Kg	50.0	44.3	89	70 - 130	2007-07-12
Chloroform		µg/Kg	50.0	46.2	92	80 - 120	2007-07-12
1,1,1-Trichloroethane		µg/Kg	50.0	45.8	92	70 - 130	2007-07-12
1,1-Dichloropropene		µg/Kg	50.0	47.6	95	70 - 130	2007-07-12
Benzene		µg/Kg	50.0	47.9	96	70 - 130	2007-07-12
Carbon Tetrachloride		µg/Kg	50.0	45.7	91	70 - 130	2007-07-12
1,2-Dichloropropane		µg/Kg	50.0	48.0	96	80 - 120	2007-07-12
Trichloroethene (TCE)		µg/Kg	50.0	49.8	100	70 - 130	2007-07-12
Dibromomethane (methylene bromide)		µg/Kg	50.0	48.4	97	70 - 130	2007-07-12
Bromodichloromethane		µg/Kg	50.0	46.9	94	70 - 130	2007-07-12
2-Chloroethyl vinyl ether		µg/Kg	50.0	48.6	97	70 - 130	2007-07-12
cis-1,3-Dichloropropene		µg/Kg	50.0	48.0	96	70 - 130	2007-07-12
trans-1,3-Dichloropropene		µg/Kg	50.0	46.9	94	70 - 130	2007-07-12
Toluene		µg/Kg	50.0	45.5	91	80 - 120	2007-07-12
1,1,2-Trichloroethane		µg/Kg	50.0	47.7	95	70 - 130	2007-07-12
1,3-Dichloropropane		µg/Kg	50.0	47.9	96	70 - 130	2007-07-12
Dibromochloromethane		µg/Kg	50.0	48.6	97	70 - 130	2007-07-12
1,2-Dibromoethane (EDB)		µg/Kg	50.0	50.8	102	70 - 130	2007-07-12
Tetrachloroethene (PCE)		µg/Kg	50.0	50.4	101	70 - 130	2007-07-12
Chlorobenzene		µg/Kg	50.0	46.6	93	80 - 120	2007-07-12
1,1,1,2-Tetrachloroethane		µg/Kg	50.0	48.0	96	70 - 130	2007-07-12
Ethylbenzene		µg/Kg	50.0	46.4	93	80 - 120	2007-07-12
m,p-Xylene		µg/Kg	100	93.1	93	70 - 130	2007-07-12
Bromoform		µg/Kg	50.0	49.2	98	70 - 130	2007-07-12
Styrene		µg/Kg	50.0	50.4	101	70 - 130	2007-07-12
o-Xylene		µg/Kg	50.0	47.8	96	70 - 130	2007-07-12
1,1,2,2-Tetrachloroethane		µg/Kg	50.0	47.3	95	70 - 130	2007-07-12
2-Chlorotoluene		µg/Kg	50.0	46.5	93	70 - 130	2007-07-12
1,2,3-Trichloropropane		µg/Kg	50.0	46.2	92	70 - 130	2007-07-12
Isopropylbenzene		µg/Kg	50.0	48.4	97	70 - 130	2007-07-12
Bromobenzene		µg/Kg	50.0	46.8	94	70 - 130	2007-07-12
n-Propylbenzene		µg/Kg	50.0	45.3	91	70 - 130	2007-07-12
1,3,5-Trimethylbenzene		µg/Kg	50.0	47.2	94	70 - 130	2007-07-12
tert-Butylbenzene		µg/Kg	50.0	48.4	97	70 - 130	2007-07-12
1,2,4-Trimethylbenzene		µg/Kg	50.0	47.6	95	70 - 130	2007-07-12
1,4-Dichlorobenzene (para)		µg/Kg	50.0	45.7	91	70 - 130	2007-07-12
sec-Butylbenzene		µg/Kg	50.0	46.0	92	70 - 130	2007-07-12
1,3-Dichlorobenzene (meta)		µg/Kg	50.0	47.5	95	70 - 130	2007-07-12
p-Isopropyltoluene		µg/Kg	50.0	47.1	94	70 - 130	2007-07-12
4-Chlorotoluene		µg/Kg	50.0	47.6	95	70 - 130	2007-07-12
1,2-Dichlorobenzene (ortho)		µg/Kg	50.0	48.4	97	70 - 130	2007-07-12
n-Butylbenzene		µg/Kg	50.0	44.8	90	70 - 130	2007-07-12

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2-Dibromo-3-chloropropane		µg/Kg	50.0	48.2	96	70 - 130	2007-07-12
1,2,3-Trichlorobenzene		µg/Kg	50.0	46.9	94	70 - 130	2007-07-12
1,2,4-Trichlorobenzene		µg/Kg	50.0	46.7	93	70 - 130	2007-07-12
Naphthalene		µg/Kg	50.0	49.0	98	70 - 130	2007-07-12
Hexachlorobutadiene		µg/Kg	50.0	44.4	89	70 - 130	2007-07-12

Standard (CCV-1)

QC Batch: 39098 Date Analyzed: 2007-07-12 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60.0	60.1	100	80 - 120	2007-07-12
1,4-Dichlorobenzene (para)		mg/Kg	60.0	58.4	97	80 - 120	2007-07-12
2-Nitrophenol		mg/Kg	60.0	66.7	111	80 - 120	2007-07-12
2,4-Dichlorophenol		mg/Kg	60.0	65.8	110	80 - 120	2007-07-12
Hexachlorobutadiene		mg/Kg	60.0	69.8	116	80 - 120	2007-07-12
4-Chloro-3-methylphenol		mg/Kg	60.0	59.3	99	80 - 120	2007-07-12
2,4,6-Trichlorophenol		mg/Kg	60.0	64.8	108	80 - 120	2007-07-12
Acenaphthene		mg/Kg	60.0	54.7	91	80 - 120	2007-07-12
Diphenylamine		mg/Kg	60.0	60.0	100	80 - 120	2007-07-12
Pentachlorophenol		mg/Kg	60.0	66.7	111	80 - 120	2007-07-12
Fluoranthene		mg/Kg	60.0	61.4	102	80 - 120	2007-07-12
Di-n-octylphthalate		mg/Kg	60.0	52.8	88	80 - 120	2007-07-12
Benzo(a)pyrene		mg/Kg	60.0	60.3	100	80 - 120	2007-07-12

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		56.5	mg/Kg	1	60.0	94	80 - 120
Phenol-d5		57.4	mg/Kg	1	60.0	96	80 - 120
Nitrobenzene-d5		60.1	mg/Kg	1	60.0	100	80 - 120
2-Fluorobiphenyl		57.8	mg/Kg	1	60.0	96	80 - 120
2,4,6-Tribromophenol		67.0	mg/Kg	1	60.0	112	80 - 120
Terphenyl-d14		60.8	mg/Kg	1	60.0	101	80 - 120

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P.O. BOX 363, Bldg 126, 3rd Floor, WSMR, NM 88002
Office: (505) 678-0263 Fax: (505) 678-6096

WTS

CHAIN OF CUSTODY RECORD

PROJECT NO. 45

PROJECT NAME POL ASTs

SAMPLER'S SIGNATURE Brady T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH DRO	VOCs	SVOCs								REMARKS
7-9-07	1045	0166-CF-003-20.0	Soil	129380	1	X	X	X								
7-9-07	1050	0166-CF-004-20.0	Soil	381	1	X	X	X								
7-9-07	1050	0166-CF-104-20.0	Soil	382	1	X	X	X								
7-9-07	1120	0166-CF-005-20.0	Soil	383	1	X	X	X								
7-9-07	1125	0166-CF-006-15.0	Soil	384	1	X	X	X								
7-9-07	1140	0166-EB-004-0707	Water	385	7	X	X	X								
7-9-07	1140	0166-TB-899-0707	Water	386	2		X									
		Temperature Blank	Water		1											Temperature Blank

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	SAMPLES RECEIVED	✓	Brady T. Davis		
	TOTAL NO. OF CONTAINERS	14	(PRINTED NAME) Bradley T. Davis	(PRINTED NAME)	(PRINTED NAME) Sabrina Multu
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	✓	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
	GOOD CONDITION/CHILLED	2°	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 071207 945
VIA: Fed EX	CONFORMS TO RECORD	✓	SPECIAL INSTRUCTIONS / COMMENTS:	Rush on TPH DRO - 1 day verbal Brad Davis - (505) 993-6890	

PLEASE USE BLACK INK PEN Fedex 8520890135 DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: June 28, 2007

Work Order: 7062702

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
128604	0211-CF-001-10.0	soil	2007-06-25	14:50	2007-06-27
128605	0211-CF-002-10.0	soil	2007-06-25	15:00	2007-06-27
128606	0211-CF-003-10.0	soil	2007-06-25	15:05	2007-06-27
128607	0211-CF-004-10.0	soil	2007-06-25	15:10	2007-06-27
128608	0211-CF-005-14.0	soil	2007-06-25	15:15	2007-06-27
128609	0211-CF-105-14.0	soil	2007-06-25	15:15	2007-06-27
128610	0211-EB-001-0607	water	2007-06-25	15:30	2007-06-27
128611	0211-TB-895-0607	water	2007-06-25	15:30	2007-06-27

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 66 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-06-27 and assigned to work order 7062702. Samples for work order 7062702 were received intact without headspace and at a temperature of 4.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C
TPH DRO	Mod. 8015B
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7062702 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 128604 - 0211-CF-001-10.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38619	Date Analyzed:	2007-06-27	Analyzed By:	DS
Prep Batch:	33422	Sample Preparation:	2007-06-27	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250

continued ...

sample 128604 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		2.16	mg/Kg	1	2.67	81	10 - 98.8
Phenol-d5		2.74	mg/Kg	1	2.67	103	10 - 105
Nitrobenzene-d5		2.40	mg/Kg	1	2.67	90	10 - 114
2-Fluorobiphenyl		2.91	mg/Kg	1	2.67	109	10 - 122
2,4,6-Tribromophenol		2.37	mg/Kg	1	2.67	89	10 - 117
Terphenyl-d14		3.08	mg/Kg	1	2.67	115	10 - 116

Sample: 128604 - 0211-CF-001-10.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38590	Date Analyzed:	2007-06-27	Analyzed By:	TG
Prep Batch:	33394	Sample Preparation:	2007-06-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		188	mg/Kg	1	150	125	62.5 - 164

Sample: 128604 - 0211-CF-001-10.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38726	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33520	Sample Preparation:	2007-07-02	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0

continued ...

sample 128604 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
cis-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
2,2-Dichloropropane		<10.0	μg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	1	10.0
Chloroform		<10.0	μg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	μg/Kg	1	10.0
1,1-Dichloropropene		<10.0	μg/Kg	1	10.0
Benzene		<10.0	μg/Kg	1	10.0
Carbon Tetrachloride		<10.0	μg/Kg	1	10.0
1,2-Dichloropropane		<10.0	μg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	μg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	μg/Kg	1	10.0
Bromodichloromethane		<10.0	μg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	μg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		404	μg/Kg	1	500	81	79.7 - 120
Toluene-d8		522	μg/Kg	1	500	104	86.8 - 107
4-Bromofluorobenzene (4-BFB)		544	μg/Kg	1	500	109	82.5 - 116

Sample: 128605 - 0211-CF-002-10.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38619	Date Analyzed:	2007-06-27	Analyzed By:	DS
Prep Batch:	33422	Sample Preparation:	2007-06-27	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250

continued ...

sample 128605 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250

continued ...

sample 128605 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.46	mg/Kg	1	2.67	55	10 - 98.8
Phenol-d5		1.76	mg/Kg	1	2.67	66	10 - 105
Nitrobenzene-d5		1.54	mg/Kg	1	2.67	58	10 - 114
2-Fluorobiphenyl		1.80	mg/Kg	1	2.67	67	10 - 122
2,4,6-Tribromophenol		1.49	mg/Kg	1	2.67	56	10 - 117
Terphenyl-d14		2.02	mg/Kg	1	2.67	76	10 - 116

Sample: 128605 - 0211-CF-002-10.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38590	Date Analyzed:	2007-06-27	Analyzed By:	TG
Prep Batch:	33394	Sample Preparation:	2007-06-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		197	mg/Kg	1	150	131	62.5 - 164

Sample: 128605 - 0211-CF-002-10.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38726	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33520	Sample Preparation:	2007-07-02	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0

continued . . .

sample 128605 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0

continued . . .

sample 128605 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		407	μg/Kg	1	500	81	79.7 - 120
Toluene-d8		519	μg/Kg	1	500	104	86.8 - 107
4-Bromofluorobenzene (4-BFB)		549	μg/Kg	1	500	110	82.5 - 116

Sample: 128606 - 0211-CF-003-10.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38619	Date Analyzed:	2007-06-27	Analyzed By:	DS
Prep Batch:	33422	Sample Preparation:	2007-06-27	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250

continued ...

sample 128606 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250

continued . . .

sample 128606 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.40	mg/Kg	1	2.67	52	10 - 98.8
Phenol-d5		1.80	mg/Kg	1	2.67	67	10 - 105
Nitrobenzene-d5		1.58	mg/Kg	1	2.67	59	10 - 114
2-Fluorobiphenyl		1.99	mg/Kg	1	2.67	74	10 - 122
2,4,6-Tribromophenol		2.01	mg/Kg	1	2.67	75	10 - 117
Terphenyl-d14		1.95	mg/Kg	1	2.67	73	10 - 116

Sample: 128606 - 0211-CF-003-10.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38590	Date Analyzed:	2007-06-27	Analyzed By:	TG
Prep Batch:	33394	Sample Preparation:	2007-06-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		200	mg/Kg	1	150	133	62.5 - 164

Sample: 128606 - 0211-CF-003-10.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38726	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33520	Sample Preparation:	2007-07-02	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0

continued . . .

sample 128606 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		420	µg/Kg	1	500	84	79.7 - 120
Toluene-d8		536	µg/Kg	1	500	107	86.8 - 107
4-Bromofluorobenzene (4-BFB)		561	µg/Kg	1	500	112	82.5 - 116

Sample: 128607 - 0211-CF-004-10.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38619	Date Analyzed:	2007-06-27	Analyzed By:	DS
Prep Batch:	33422	Sample Preparation:	2007-06-27	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250

continued ...

sample 128607 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250

continued . . .

sample 128607 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.64	mg/Kg	1	2.67	61	10 - 98.8
Phenol-d5		2.00	mg/Kg	1	2.67	75	10 - 105
Nitrobenzene-d5		1.76	mg/Kg	1	2.67	66	10 - 114
2-Fluorobiphenyl		2.05	mg/Kg	1	2.67	77	10 - 122
2,4,6-Tribromophenol		1.88	mg/Kg	1	2.67	70	10 - 117
Terphenyl-d14		2.04	mg/Kg	1	2.67	76	10 - 116

Sample: 128607 - 0211-CF-004-10.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38590	Date Analyzed:	2007-06-27	Analyzed By:	TG
Prep Batch:	33394	Sample Preparation:	2007-06-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		194	mg/Kg	1	150	129	62.5 - 164

Sample: 128607 - 0211-CF-004-10.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38726	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33520	Sample Preparation:	2007-07-02	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0

continued . . .

sample 128607 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		414	μg/Kg	1	500	83	79.7 - 120
Toluene-d8		531	μg/Kg	1	500	106	86.8 - 107
4-Bromofluorobenzene (4-BFB)		554	μg/Kg	1	500	111	82.5 - 116

Sample: 128608 - 0211-CF-005-14.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38619	Date Analyzed:	2007-06-27	Analyzed By:	DS
Prep Batch:	33422	Sample Preparation:	2007-06-27	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250

continued ...

sample 128608 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate	[1]	**5.04**	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.45	mg/Kg	1	2.67	54	10 - 98.8
Phenol-d5		1.72	mg/Kg	1	2.67	64	10 - 105
Nitrobenzene-d5		1.52	mg/Kg	1	2.67	57	10 - 114

continued . . .

[1] Estimated concentration value greater than standard range.

sample continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorobiphenyl		1.77	mg/Kg	1	2.67	66	10 - 122
2,4,6-Tribromophenol		1.82	mg/Kg	1	2.67	68	10 - 117
Terphenyl-d14		1.99	mg/Kg	1	2.67	74	10 - 116

Sample: 128608 - 0211-CF-005-14.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38590	Date Analyzed:	2007-06-27	Analyzed By:	TG
Prep Batch:	33394	Sample Preparation:	2007-06-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		188	mg/Kg	1	150	125	62.5 - 164

Sample: 128608 - 0211-CF-005-14.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38726	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33520	Sample Preparation:	2007-07-02	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0

continued . . .

sample 128608 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	1	10.0
Chloroform		<10.0	μg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	μg/Kg	1	10.0
1,1-Dichloropropene		<10.0	μg/Kg	1	10.0
Benzene		<10.0	μg/Kg	1	10.0
Carbon Tetrachloride		<10.0	μg/Kg	1	10.0
1,2-Dichloropropane		<10.0	μg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	μg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	μg/Kg	1	10.0
Bromodichloromethane		<10.0	μg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	μg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		417	μg/Kg	1	500	83	79.7 - 120
Toluene-d8		529	μg/Kg	1	500	106	86.8 - 107
4-Bromofluorobenzene (4-BFB)		544	μg/Kg	1	500	109	82.5 - 116

Sample: 128609 - 0211-CF-105-14.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	38619	Date Analyzed:	2007-06-27	Analyzed By:	DS
Prep Batch:	33422	Sample Preparation:	2007-06-27	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250

continued ...

sample 128609 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		**1.76**	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250

continued . . .

sample 128609 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.26	mg/Kg	1	2.67	47	10 - 98.8
Phenol-d5		1.47	mg/Kg	1	2.67	55	10 - 105
Nitrobenzene-d5		1.33	mg/Kg	1	2.67	50	10 - 114
2-Fluorobiphenyl		1.58	mg/Kg	1	2.67	59	10 - 122
2,4,6-Tribromophenol		1.72	mg/Kg	1	2.67	64	10 - 117
Terphenyl-d14		1.84	mg/Kg	1	2.67	69	10 - 116

Sample: 128609 - 0211-CF-105-14.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38590	Date Analyzed:	2007-06-27	Analyzed By:	TG
Prep Batch:	33394	Sample Preparation:	2007-06-27	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		191	mg/Kg	1	150	127	62.5 - 164

Sample: 128609 - 0211-CF-105-14.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38726	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33520	Sample Preparation:	2007-07-02	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0

continued . . .

sample 128609 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0

continued . . .

sample 128609 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		402	μg/Kg	1	500	80	79.7 - 120
Toluene-d8		515	μg/Kg	1	500	103	86.8 - 107
4-Bromofluorobenzene (4-BFB)		543	μg/Kg	1	500	109	82.5 - 116

Sample: 128610 - 0211-EB-001-0607

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	38643	Date Analyzed:	2007-06-28	Analyzed By:	DS
Prep Batch:	33449	Sample Preparation:	2007-06-28	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.00500	mg/L	1	0.00500
N-Nitrosodimethylamine		<0.00500	mg/L	1	0.00500
2-Picoline		<0.00500	mg/L	1	0.00500
Methyl methanesulfonate		<0.00500	mg/L	1	0.00500
Ethyl methanesulfonate		<0.00500	mg/L	1	0.00500
Phenol		<0.00500	mg/L	1	0.00500
Aniline		<0.00500	mg/L	1	0.00500
bis(2-chloroethyl)ether		<0.00500	mg/L	1	0.00500
2-Chlorophenol		<0.00500	mg/L	1	0.00500
1,3-Dichlorobenzene (meta)		<0.00500	mg/L	1	0.00500
1,4-Dichlorobenzene (para)		<0.00500	mg/L	1	0.00500
Benzyl alcohol		<0.00500	mg/L	1	0.00500
1,2-Dichlorobenzene (ortho)		<0.00500	mg/L	1	0.00500
2-Methylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroisopropyl)ether		<0.00500	mg/L	1	0.00500
4-Methylphenol / 3-Methylphenol		<0.00500	mg/L	1	0.00500
N-Nitrosodi-n-propylamine		<0.00500	mg/L	1	0.00500
Hexachloroethane		<0.00500	mg/L	1	0.00500
Acetophenone		<0.00500	mg/L	1	0.00500
Nitrobenzene		<0.00500	mg/L	1	0.00500
N-Nitrosopiperidine		<0.00500	mg/L	1	0.00500
Isophorone		<0.00500	mg/L	1	0.00500

continued . . .

sample 128610 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
2-Nitrophenol		<0.00500	mg/L	1	0.00500
2,4-Dimethylphenol		<0.00500	mg/L	1	0.00500
bis(2-chloroethoxy)methane		<0.00500	mg/L	1	0.00500
2,4-Dichlorophenol		<0.00500	mg/L	1	0.00500
1,2,4-Trichlorobenzene		<0.00500	mg/L	1	0.00500
Benzoic acid		<0.00500	mg/L	1	0.00500
Naphthalene		<0.00500	mg/L	1	0.00500
a,a-Dimethylphenethylamine		<0.00500	mg/L	1	0.00500
4-Chloroaniline		<0.00500	mg/L	1	0.00500
2,6-Dichlorophenol		<0.0100	mg/L	1	0.0100
Hexachlorobutadiene		<0.00500	mg/L	1	0.00500
N-Nitroso-di-n-butylamine		<0.00500	mg/L	1	0.00500
4-Chloro-3-methylphenol		<0.00500	mg/L	1	0.00500
2-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1-Methylnaphthalene		<0.00500	mg/L	1	0.00500
1,2,4,5-Tetrachlorobenzene		<0.00500	mg/L	1	0.00500
Hexachlorocyclopentadiene		<0.00500	mg/L	1	0.00500
2,4,6-Trichlorophenol		<0.0100	mg/L	1	0.0100
2,4,5-Trichlorophenol		<0.00500	mg/L	1	0.00500
2-Chloronaphthalene		<0.00500	mg/L	1	0.00500
1-Chloronaphthalene		<0.00500	mg/L	1	0.00500
2-Nitroaniline		<0.00500	mg/L	1	0.00500
Dimethylphthalate		<0.00500	mg/L	1	0.00500
Acenaphthylene		<0.00500	mg/L	1	0.00500
2,6-Dinitrotoluene		<0.00500	mg/L	1	0.00500
3-Nitroaniline		<0.00500	mg/L	1	0.00500
Acenaphthene		<0.00500	mg/L	1	0.00500
2,4-Dinitrophenol		<0.00500	mg/L	1	0.00500
Dibenzofuran		<0.00500	mg/L	1	0.00500
Pentachlorobenzene		<0.00500	mg/L	1	0.00500
4-Nitrophenol		<0.0250	mg/L	1	0.0250
2,4-Dinitrotoluene		<0.00500	mg/L	1	0.00500
1-Naphthylamine		<0.00500	mg/L	1	0.00500
2,3,4,6-Tetrachlorophenol		<0.0100	mg/L	1	0.0100
2-Naphthylamine		<0.00500	mg/L	1	0.00500
Fluorene		<0.00500	mg/L	1	0.00500
4-Chlorophenyl-phenylether		<0.00500	mg/L	1	0.00500
Diethylphthalate		<0.00500	mg/L	1	0.00500
4-Nitroaniline		<0.00500	mg/L	1	0.00500
Diphenylhydrazine		<0.00500	mg/L	1	0.00500
4,6-Dinitro-2-methylphenol		<0.00500	mg/L	1	0.00500
Diphenylamine		<0.00500	mg/L	1	0.00500
4-Bromophenyl-phenylether		<0.00500	mg/L	1	0.00500
Phenacetin		<0.00500	mg/L	1	0.00500
Hexachlorobenzene		<0.00500	mg/L	1	0.00500
4-Aminobiphenyl		<0.00500	mg/L	1	0.00500
Pentachlorophenol		<0.0100	mg/L	1	0.0100
Anthracene		<0.00500	mg/L	1	0.00500
Pentachloronitrobenzene		<0.00500	mg/L	1	0.00500

continued . . .

sample 128610 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Pronamide		<0.00500	mg/L	1	0.00500
Phenanthrene		<0.00500	mg/L	1	0.00500
Di-n-butylphthalate		<0.00500	mg/L	1	0.00500
Fluoranthene		<0.00500	mg/L	1	0.00500
Benzidine		<0.0250	mg/L	1	0.0250
Pyrene		<0.00500	mg/L	1	0.00500
p-Dimethylaminoazobenzene		<0.00500	mg/L	1	0.00500
Butylbenzylphthalate		<0.00500	mg/L	1	0.00500
Benzo(a)anthracene		<0.00500	mg/L	1	0.00500
3,3-Dichlorobenzidine		<0.00500	mg/L	1	0.00500
Chrysene		<0.00500	mg/L	1	0.00500
bis(2-ethylhexyl)phthalate		<0.00500	mg/L	1	0.00500
Di-n-octylphthalate		<0.00500	mg/L	1	0.00500
Benzo(b)fluoranthene		<0.00500	mg/L	1	0.00500
Benzo(k)fluoranthene		<0.00500	mg/L	1	0.00500
7,12-Dimethylbenz(a)anthracene		<0.00500	mg/L	1	0.00500
Benzo(a)pyrene		<0.00500	mg/L	1	0.00500
3-Methylcholanthrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,j)acridine		<0.00500	mg/L	1	0.00500
Indeno(1,2,3-cd)pyrene		<0.00500	mg/L	1	0.00500
Dibenzo(a,h)anthracene		<0.00500	mg/L	1	0.00500
Benzo(g,h,i)perylene		<0.00500	mg/L	1	0.00500

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0277	mg/L	1	0.0800	35	10 - 84.7
Phenol-d5		0.0205	mg/L	1	0.0800	26	10 - 54.9
Nitrobenzene-d5		0.0593	mg/L	1	0.0800	74	10 - 202
2-Fluorobiphenyl		0.0658	mg/L	1	0.0800	82	10 - 199
2,4,6-Tribromophenol		0.0524	mg/L	1	0.0800	66	10 - 141
Terphenyl-d14		0.0700	mg/L	1	0.0800	88	10 - 160

Sample: 128610 - 0211-EB-001-0607

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38652	Date Analyzed:	2007-06-28	Analyzed By:	TG
Prep Batch:	33458	Sample Preparation:	2007-06-28	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		22.5	mg/L	1	15.0	150	40.7 - 174

Sample: 128610 - 0211-EB-001-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38626	Date Analyzed:	2007-06-27	Analyzed By:	JG
Prep Batch:	33429	Sample Preparation:	2007-06-27	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00
Methylene chloride		<5.00	µg/L	1	5.00
MTBE		<1.00	µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	µg/L	1	1.00
1,1-Dichloroethane		<1.00	µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	µg/L	1	1.00
2,2-Dichloropropane		<1.00	µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	µg/L	1	1.00
Chloroform		<1.00	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00

continued ...

sample 128610 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	μg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.7	μg/L	1	50.0	107	82.4 - 115
Toluene-d8		51.9	μg/L	1	50.0	104	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.8	μg/L	1	50.0	96	84.6 - 114

Sample: 128611 - 0211-TB-895-0607

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	38626	Date Analyzed:	2007-06-27	Analyzed By:	JG
Prep Batch:	33429	Sample Preparation:	2007-06-27	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	μg/L	1	1.00
Dichlorodifluoromethane		<1.00	μg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	μg/L	1	1.00
Vinyl Chloride		<1.00	μg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	μg/L	1	5.00
Chloroethane		<1.00	μg/L	1	1.00
Trichlorofluoromethane		<1.00	μg/L	1	1.00
Acetone		**50.8**	μg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	μg/L	1	5.00
Carbon Disulfide		<1.00	μg/L	1	1.00

continued . . .

sample 128611 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Acrylonitrile		<1.00	μg/L	1	1.00
2-Butanone (MEK)		<5.00	μg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	μg/L	1	5.00
2-Hexanone		<5.00	μg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	μg/L	1	10.0
1,1-Dichloroethene		<1.00	μg/L	1	1.00
Methylene chloride		<5.00	μg/L	1	5.00
MTBE		<1.00	μg/L	1	1.00
trans-1,2-Dichloroethene		<1.00	μg/L	1	1.00
1,1-Dichloroethane		<1.00	μg/L	1	1.00
cis-1,2-Dichloroethene		<1.00	μg/L	1	1.00
2,2-Dichloropropane		<1.00	μg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00	μg/L	1	1.00
Chloroform		<1.00	μg/L	1	1.00
1,1,1-Trichloroethane		<1.00	μg/L	1	1.00
1,1-Dichloropropene		<1.00	μg/L	1	1.00
Benzene		<1.00	μg/L	1	1.00
Carbon Tetrachloride		<1.00	μg/L	1	1.00
1,2-Dichloropropane		<1.00	μg/L	1	1.00
Trichloroethene (TCE)		<1.00	μg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	μg/L	1	1.00
Bromodichloromethane		<1.00	μg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	μg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	μg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	μg/L	1	1.00
Toluene		<1.00	μg/L	1	1.00
1,1,2-Trichloroethane		<1.00	μg/L	1	1.00
1,3-Dichloropropane		<1.00	μg/L	1	1.00
Dibromochloromethane		<1.00	μg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	μg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	μg/L	1	1.00
Chlorobenzene		<1.00	μg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	μg/L	1	1.00
Ethylbenzene		<1.00	μg/L	1	1.00
m,p-Xylene		<1.00	μg/L	1	1.00
Bromoform		<1.00	μg/L	1	1.00
Styrene		<1.00	μg/L	1	1.00
o-Xylene		<1.00	μg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	μg/L	1	1.00
2-Chlorotoluene		<1.00	μg/L	1	1.00
1,2,3-Trichloropropane		<1.00	μg/L	1	1.00
Isopropylbenzene		<1.00	μg/L	1	1.00
Bromobenzene		<1.00	μg/L	1	1.00
n-Propylbenzene		<1.00	μg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	μg/L	1	1.00
tert-Butylbenzene		<1.00	μg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	μg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	μg/L	1	1.00
sec-Butylbenzene		<1.00	μg/L	1	1.00

continued . . .

sample 128611 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
1,3-Dichlorobenzene (meta)		<1.00	μg/L	1	1.00
p-Isopropyltoluene		<1.00	μg/L	1	1.00
4-Chlorotoluene		<1.00	μg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	μg/L	1	1.00
n-Butylbenzene		<1.00	μg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	μg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	μg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	μg/L	1	5.00
Naphthalene		<5.00	μg/L	1	5.00
Hexachlorobutadiene		<5.00	μg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		54.1	μg/L	1	50.0	108	82.4 - 115
Toluene-d8		51.5	μg/L	1	50.0	103	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.5	μg/L	1	50.0	95	84.6 - 114

Method Blank (1) QC Batch: 38590

QC Batch:	38590	Date Analyzed:	2007-06-27	Analyzed By:	TG
Prep Batch:	33394	QC Preparation:	2007-06-27	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		180	mg/Kg	1	150	120	62.5 - 164

Method Blank (1) QC Batch: 38619

QC Batch:	38619	Date Analyzed:	2007-06-27	Analyzed By:	DS
Prep Batch:	33422	QC Preparation:	2007-06-27	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.0665	mg/Kg	0.25
N-Nitrosodimethylamine		<0.0894	mg/Kg	0.25
2-Picoline		<0.0472	mg/Kg	0.25
Methyl methanesulfonate		<0.0754	mg/Kg	0.25
Ethyl methanesulfonate		<0.0943	mg/Kg	0.25
Phenol		<0.0778	mg/Kg	0.25
Aniline		<0.0720	mg/Kg	0.25
bis(2-chloroethyl)ether		<0.0700	mg/Kg	0.25
2-Chlorophenol		<0.0676	mg/Kg	0.25
1,3-Dichlorobenzene (meta)		<0.0631	mg/Kg	0.25

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,4-Dichlorobenzene (para)		<0.0618	mg/Kg	0.25
Benzyl alcohol		<0.107	mg/Kg	0.25
1,2-Dichlorobenzene (ortho)		<0.0658	mg/Kg	0.25
2-Methylphenol		<0.0849	mg/Kg	0.25
bis(2-chloroisopropyl)ether		<0.0812	mg/Kg	0.25
4-Methylphenol / 3-Methylphenol		<0.0918	mg/Kg	0.25
Acetophenone		<0.0709	mg/Kg	0.25
N-Nitrosodi-n-propylamine		<0.106	mg/Kg	0.25
Hexachloroethane		<0.0662	mg/Kg	0.25
Nitrobenzene		<0.0641	mg/Kg	0.25
N-Nitrosopiperidine		<0.0870	mg/Kg	0.25
Isophorone		<0.0794	mg/Kg	0.25
2-Nitrophenol		<0.0653	mg/Kg	0.25
2,4-Dimethylphenol		<0.0745	mg/Kg	0.25
bis(2-chloroethoxy)methane		<0.0774	mg/Kg	0.25
Benzoic acid		<0.0273	mg/Kg	0.25
2,4-Dichlorophenol		<0.0780	mg/Kg	0.25
1,2,4-Trichlorobenzene		<0.0583	mg/Kg	0.25
a,a-Dimethylphenethylamine		<0.0471	mg/Kg	0.25
Naphthalene		<0.0597	mg/Kg	0.25
4-Chloroaniline		<0.0789	mg/Kg	0.25
2,6-Dichlorophenol		<0.0728	mg/Kg	0.25
Hexachlorobutadiene		<0.0528	mg/Kg	0.25
N-Nitroso-di-n-butylamine		<0.0818	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.0610	mg/Kg	0.25
1-Methylnaphthalene		<0.0713	mg/Kg	0.25
2-Methylnaphthalene		<0.0720	mg/Kg	0.25
1,2,4,5-Tetrachlorobenzene		<0.0682	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.0491	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.0648	mg/Kg	0.25
2,4,5-Trichlorophenol		<0.0493	mg/Kg	0.25
2-Chloronaphthalene		<0.0690	mg/Kg	0.25
1-Chloronaphthalene		<0.0621	mg/Kg	0.25
2-Nitroaniline		<0.0500	mg/Kg	0.25
Dimethylphthalate		<0.0505	mg/Kg	0.25
Acenaphthylene		<0.0659	mg/Kg	0.25
2,6-Dinitrotoluene		<0.0488	mg/Kg	0.25
3-Nitroaniline		<0.0492	mg/Kg	0.25
Acenaphthene		<0.0611	mg/Kg	0.25
2,4-Dinitrophenol		<0.0245	mg/Kg	0.25
Dibenzofuran		<0.0639	mg/Kg	0.25
Pentachlorobenzene		<0.0562	mg/Kg	0.25
4-Nitrophenol		<0.0416	mg/Kg	0.25
1-Naphthylamine		<0.0487	mg/Kg	0.25
2,4-Dinitrotoluene		<0.0502	mg/Kg	0.25
2-Naphthylamine		<0.0428	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.0446	mg/Kg	0.25
Fluorene		<0.0520	mg/Kg	0.25
Diethylphthalate		<0.0484	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.0602	mg/Kg	0.25

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
4-Nitroaniline		<0.0278	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.0375	mg/Kg	0.25
Diphenylamine		<0.0628	mg/Kg	0.25
Diphenylhydrazine		<0.0519	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.0672	mg/Kg	0.25
Phenacetin		<0.0649	mg/Kg	0.25
Hexachlorobenzene		<0.0596	mg/Kg	0.25
4-Aminobiphenyl		<0.0631	mg/Kg	0.25
Pentachlorophenol		<0.0426	mg/Kg	0.25
Pentachloronitrobenzene		<0.0607	mg/Kg	0.25
Pronamide		<0.0702	mg/Kg	0.25
Phenanthrene		<0.0614	mg/Kg	0.25
Anthracene		<0.0648	mg/Kg	0.25
Di-n-butylphthalate		<0.0614	mg/Kg	0.25
Fluoranthene		<0.0636	mg/Kg	0.25
Benzidine		<0.0631	mg/Kg	0.25
Pyrene		<0.0583	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.0544	mg/Kg	0.25
Butylbenzylphthalate		<0.0531	mg/Kg	0.25
Benzo(a)anthracene		<0.0603	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.0570	mg/Kg	0.25
Chrysene		<0.0643	mg/Kg	0.25
bis(2-ethylhexyl)phthalate		<0.0622	mg/Kg	0.25
Di-n-octylphthalate		<0.0514	mg/Kg	0.25
Benzo(b)fluoranthene		<0.0585	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.0582	mg/Kg	0.25
Benzo(k)fluoranthene		<0.0536	mg/Kg	0.25
Benzo(a)pyrene		<0.0564	mg/Kg	0.25
3-Methylcholanthrene		<0.0571	mg/Kg	0.25
Dibenzo(a,j)acridine		<0.0618	mg/Kg	0.25
Indeno(1,2,3-cd)pyrene		<0.0576	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.0543	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.0631	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.61	mg/Kg	1	2.67	60	10 - 98.8
Phenol-d5		2.04	mg/Kg	1	2.67	76	10 - 105
Nitrobenzene-d5		1.69	mg/Kg	1	2.67	63	10 - 114
2-Fluorobiphenyl		2.03	mg/Kg	1	2.67	76	10 - 122
2,4,6-Tribromophenol		1.98	mg/Kg	1	2.67	74	10 - 117
Terphenyl-d14	[2]	3.31	mg/Kg	1	2.67	124	10 - 116

Method Blank (1) QC Batch: 38626

QC Batch:	38626	Date Analyzed:	2007-06-27	Analyzed By:	JG
Prep Batch:	33429	QC Preparation:	2007-06-27	Prepared By:	JG

[2] 8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.351	μg/L	1
Dichlorodifluoromethane		<0.306	μg/L	1
Chloromethane (methyl chloride)		<0.240	μg/L	1
Vinyl Chloride		<0.224	μg/L	1
Bromomethane (methyl bromide)		<0.325	μg/L	5
Chloroethane		<0.303	μg/L	1
Trichlorofluoromethane		<0.255	μg/L	1
Acetone		3.66	μg/L	10
Iodomethane (methyl iodide)		<0.397	μg/L	5
Carbon Disulfide		<0.354	μg/L	1
Acrylonitrile		<0.306	μg/L	1
2-Butanone (MEK)		<0.670	μg/L	5
4-Methyl-2-pentanone (MIBK)		<0.463	μg/L	5
2-Hexanone		<0.303	μg/L	5
trans 1,4-Dichloro-2-butene		<0.406	μg/L	10
1,1-Dichloroethene		<0.326	μg/L	1
Methylene chloride		0.960	μg/L	5
MTBE		<0.352	μg/L	1
trans-1,2-Dichloroethene		<0.322	μg/L	1
1,1-Dichloroethane		<0.324	μg/L	1
cis-1,2-Dichloroethene		<0.331	μg/L	1
2,2-Dichloropropane		<0.440	μg/L	1
1,2-Dichloroethane (EDC)		<0.327	μg/L	1
Chloroform		<0.345	μg/L	1
1,1,1-Trichloroethane		<0.303	μg/L	1
1,1-Dichloropropene		<0.356	μg/L	1
Benzene		<0.356	μg/L	1
Carbon Tetrachloride		<0.342	μg/L	1
1,2-Dichloropropane		<0.366	μg/L	1
Trichloroethene (TCE)		<0.434	μg/L	1
Dibromomethane (methylene bromide)		<0.406	μg/L	1
Bromodichloromethane		<0.325	μg/L	1
2-Chloroethyl vinyl ether		<0.366	μg/L	5
cis-1,3-Dichloropropene		<0.387	μg/L	1
trans-1,3-Dichloropropene		<0.367	μg/L	1
Toluene		<0.366	μg/L	1
1,1,2-Trichloroethane		<0.397	μg/L	1
1,3-Dichloropropane		<0.355	μg/L	1
Dibromochloromethane		<0.315	μg/L	1
1,2-Dibromoethane (EDB)		<0.340	μg/L	1
Tetrachloroethene (PCE)		<0.355	μg/L	1
Chlorobenzene		<0.363	μg/L	1
1,1,1,2-Tetrachloroethane		<0.338	μg/L	1
Ethylbenzene		<0.350	μg/L	1
m,p-Xylene		<0.752	μg/L	1
Bromoform		<0.275	μg/L	1
Styrene		<0.395	μg/L	1
o-Xylene		<0.375	μg/L	1
1,1,2,2-Tetrachloroethane		<0.283	μg/L	1
2-Chlorotoluene		<0.445	μg/L	1
1,2,3-Trichloropropane		<0.430	μg/L	1

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Isopropylbenzene		<0.521	μg/L	1
Bromobenzene		<0.494	μg/L	1
n-Propylbenzene		<0.483	μg/L	1
1,3,5-Trimethylbenzene		<0.487	μg/L	1
tert-Butylbenzene		<0.496	μg/L	1
1,2,4-Trimethylbenzene		<0.532	μg/L	1
1,4-Dichlorobenzene (para)		<0.413	μg/L	1
sec-Butylbenzene		<0.449	μg/L	1
1,3-Dichlorobenzene (meta)		<0.451	μg/L	1
p-Isopropyltoluene		<0.450	μg/L	1
4-Chlorotoluene		<0.489	μg/L	1
1,2-Dichlorobenzene (ortho)		<0.438	μg/L	1
n-Butylbenzene		<0.461	μg/L	1
1,2-Dibromo-3-chloropropane		<0.532	μg/L	5
1,2,3-Trichlorobenzene		1.16	μg/L	5
1,2,4-Trichlorobenzene		0.360	μg/L	5
Naphthalene		0.440	μg/L	5
Hexachlorobutadiene		<0.483	μg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		53.0	μg/L	1	50.0	106	82.4 - 115
Toluene-d8		52.1	μg/L	1	50.0	104	89.7 - 108
4-Bromofluorobenzene (4-BFB)		48.7	μg/L	1	50.0	97	84.6 - 114

Method Blank (1) QC Batch: 38643

QC Batch:	38643	Date Analyzed:	2007-06-28	Analyzed By:	DS
Prep Batch:	33449	QC Preparation:	2007-06-28	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.00188	mg/L	0.005
N-Nitrosodimethylamine		<0.00180	mg/L	0.005
2-Picoline		<0.00181	mg/L	0.005
Methyl methanesulfonate		<0.00220	mg/L	0.005
Ethyl methanesulfonate		<0.00260	mg/L	0.005
Phenol		<0.00231	mg/L	0.005
Aniline		<0.00200	mg/L	0.005
bis(2-chloroethyl)ether		<0.00180	mg/L	0.005
2-Chlorophenol		<0.00190	mg/L	0.005
1,3-Dichlorobenzene (meta)		<0.00181	mg/L	0.005
1,4-Dichlorobenzene (para)		<0.00179	mg/L	0.005
Benzyl alcohol		<0.00244	mg/L	0.005
1,2-Dichlorobenzene (ortho)		<0.00173	mg/L	0.005
2-Methylphenol		<0.00230	mg/L	0.005
bis(2-chloroisopropyl)ether		<0.00209	mg/L	0.005
4-Methylphenol / 3-Methylphenol		<0.00229	mg/L	0.005
N-Nitrosodi-n-propylamine		<0.00236	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Hexachloroethane		<0.00189	mg/L	0.005
Acetophenone		<0.00211	mg/L	0.005
Nitrobenzene		<0.00192	mg/L	0.005
N-Nitrosopiperidine		<0.00208	mg/L	0.005
Isophorone		<0.00206	mg/L	0.005
2-Nitrophenol		<0.00189	mg/L	0.005
2,4-Dimethylphenol		<0.00209	mg/L	0.005
bis(2-chloroethoxy)methane		<0.00216	mg/L	0.005
2,4-Dichlorophenol		<0.00192	mg/L	0.005
1,2,4-Trichlorobenzene		<0.00176	mg/L	0.005
Benzoic acid		<0.00765	mg/L	0.005
Naphthalene		<0.00187	mg/L	0.005
a,a-Dimethylphenethylamine		<0.00146	mg/L	0.005
4-Chloroaniline		<0.00210	mg/L	0.005
2,6-Dichlorophenol		<0.00199	mg/L	0.01
Hexachlorobutadiene		<0.00186	mg/L	0.005
N-Nitroso-di-n-butylamine		<0.00214	mg/L	0.005
4-Chloro-3-methylphenol		<0.00182	mg/L	0.005
2-Methylnaphthalene		<0.00206	mg/L	0.005
1-Methylnaphthalene		<0.00205	mg/L	0.005
1,2,4,5-Tetrachlorobenzene		<0.00211	mg/L	0.005
Hexachlorocyclopentadiene		<0.00175	mg/L	0.005
2,4,6-Trichlorophenol		<0.00200	mg/L	0.01
2,4,5-Trichlorophenol		<0.00176	mg/L	0.005
2-Chloronaphthalene		<0.00200	mg/L	0.005
1-Chloronaphthalene		<0.00259	mg/L	0.005
2-Nitroaniline		<0.00167	mg/L	0.005
Dimethylphthalate		<0.00160	mg/L	0.005
Acenaphthylene		<0.00201	mg/L	0.005
2,6-Dinitrotoluene		<0.00158	mg/L	0.005
3-Nitroaniline		<0.00166	mg/L	0.005
Acenaphthene		<0.00191	mg/L	0.005
2,4-Dinitrophenol		<0.000621	mg/L	0.005
Dibenzofuran		<0.00185	mg/L	0.005
Pentachlorobenzene		<0.00189	mg/L	0.005
4-Nitrophenol		<0.00156	mg/L	0.025
2,4-Dinitrotoluene		<0.00187	mg/L	0.005
1-Naphthylamine		<0.00149	mg/L	0.005
2,3,4,6-Tetrachlorophenol		<0.00162	mg/L	0.01
2-Naphthylamine		<0.00157	mg/L	0.005
Fluorene		<0.00182	mg/L	0.005
4-Chlorophenyl-phenylether		<0.00188	mg/L	0.005
Diethylphthalate		<0.00182	mg/L	0.005
4-Nitroaniline		<0.00182	mg/L	0.005
Diphenylhydrazine		<0.00184	mg/L	0.005
4,6-Dinitro-2-methylphenol		<0.00109	mg/L	0.005
Diphenylamine		<0.00193	mg/L	0.005
4-Bromophenyl-phenylether		<0.00179	mg/L	0.005
Phenacetin		<0.00190	mg/L	0.005
Hexachlorobenzene		<0.00193	mg/L	0.005

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
4-Aminobiphenyl		<0.00185	mg/L	0.005
Pentachlorophenol		<0.00130	mg/L	0.01
Anthracene		<0.00190	mg/L	0.005
Pentachloronitrobenzene		<0.00187	mg/L	0.005
Pronamide		<0.00182	mg/L	0.005
Phenanthrene		<0.00186	mg/L	0.005
Di-n-butylphthalate		<0.00180	mg/L	0.005
Fluoranthene		<0.00184	mg/L	0.005
Benzidine		<0.00156	mg/L	0.025
Pyrene		<0.00165	mg/L	0.005
p-Dimethylaminoazobenzene		<0.00145	mg/L	0.005
Butylbenzylphthalate		<0.00165	mg/L	0.005
Benzo(a)anthracene		<0.00157	mg/L	0.005
3,3-Dichlorobenzidine		<0.00162	mg/L	0.005
Chrysene		<0.00162	mg/L	0.005
bis(2-ethylhexyl)phthalate		<0.00171	mg/L	0.005
Di-n-octylphthalate		<0.00136	mg/L	0.005
Benzo(b)fluoranthene		<0.00160	mg/L	0.005
Benzo(k)fluoranthene		<0.00179	mg/L	0.005
7,12-Dimethylbenz(a)anthracene		<0.00152	mg/L	0.005
Benzo(a)pyrene		<0.00161	mg/L	0.005
3-Methylcholanthrene		<0.00147	mg/L	0.005
Dibenzo(a,j)acridine		<0.00154	mg/L	0.005
Indeno(1,2,3-cd)pyrene		<0.00160	mg/L	0.005
Dibenzo(a,h)anthracene		<0.00180	mg/L	0.005
Benzo(g,h,i)perylene		<0.00166	mg/L	0.005

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.0232	mg/L	1	0.0800	29	10 - 66.9
Phenol-d5		0.0158	mg/L	1	0.0800	20	10 - 50.7
Nitrobenzene-d5		0.0622	mg/L	1	0.0800	78	10 - 124
2-Fluorobiphenyl		0.0678	mg/L	1	0.0800	85	10 - 127
2,4,6-Tribromophenol		0.0544	mg/L	1	0.0800	68	10 - 138
Terphenyl-d14		0.0661	mg/L	1	0.0800	83	10 - 143

Method Blank (1) QC Batch: 38652

QC Batch:	38652	Date Analyzed:	2007-06-28	Analyzed By:	TG
Prep Batch:	33458	QC Preparation:	2007-06-28	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<1.06	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		19.3	mg/L	1	15.0	129	40.7 - 174

Method Blank (1) QC Batch: 38726

QC Batch:	38726	Date Analyzed:	2007-07-02	Analyzed By:	JG
Prep Batch:	33520	QC Preparation:	2007-07-02	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<2.06	µg/Kg	10
Dichlorodifluoromethane		<4.16	µg/Kg	10
Chloromethane (methyl chloride)		<2.49	µg/Kg	10
Vinyl Chloride		<2.80	µg/Kg	10
Bromomethane (methyl bromide)		<2.99	µg/Kg	50
Chloroethane		<3.26	µg/Kg	10
Trichlorofluoromethane		<2.49	µg/Kg	10
Acetone		<51.4	µg/Kg	100
Iodomethane (methyl iodide)		<2.41	µg/Kg	50
Carbon Disulfide		<2.12	µg/Kg	10
Acrylonitrile		<2.12	µg/Kg	10
2-Butanone (MEK)		<13.9	µg/Kg	50
4-Methyl-2-pentanone (MIBK)		<3.95	µg/Kg	50
2-Hexanone		<2.13	µg/Kg	50
trans 1,4-Dichloro-2-butene		<2.92	µg/Kg	100
1,1-Dichloroethene		<1.89	µg/Kg	10
Methylene chloride		9.39	µg/Kg	50
MTBE		<1.71	µg/Kg	10
trans-1,2-Dichloroethene		<2.67	µg/Kg	10
1,1-Dichloroethane		<1.76	µg/Kg	10
cis-1,2-Dichloroethene		<2.27	µg/Kg	10
2,2-Dichloropropane		<2.90	µg/Kg	10
1,2-Dichloroethane (EDC)		<1.90	µg/Kg	10
Chloroform		<2.21	µg/Kg	10
1,1,1-Trichloroethane		<2.06	µg/Kg	10
1,1-Dichloropropene		<2.44	µg/Kg	10
Benzene		<1.51	µg/Kg	10
Carbon Tetrachloride		<2.26	µg/Kg	10
1,2-Dichloropropane		<1.51	µg/Kg	10
Trichloroethene (TCE)		<1.93	µg/Kg	10
Dibromomethane (methylene bromide)		<1.78	µg/Kg	10
Bromodichloromethane		<1.81	µg/Kg	10
2-Chloroethyl vinyl ether		<1.51	µg/Kg	50
cis-1,3-Dichloropropene		<2.32	µg/Kg	10
trans-1,3-Dichloropropene		<2.00	µg/Kg	10
Toluene		2.62	µg/Kg	10
1,1,2-Trichloroethane		<1.41	µg/Kg	10
1,3-Dichloropropane		<2.28	µg/Kg	10
Dibromochloromethane		<1.65	µg/Kg	10
1,2-Dibromoethane (EDB)		<1.53	µg/Kg	10
Tetrachloroethene (PCE)		<1.27	µg/Kg	10
Chlorobenzene		<2.02	µg/Kg	10
1,1,1,2-Tetrachloroethane		<1.62	µg/Kg	10
Ethylbenzene		<1.96	µg/Kg	10
m,p-Xylene		<3.03	µg/Kg	10
Bromoform		<1.94	µg/Kg	10
Styrene		<1.99	µg/Kg	10

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
o-Xylene		<2.12	μg/Kg	10
1,1,2,2-Tetrachloroethane		<2.19	μg/Kg	10
2-Chlorotoluene		<3.12	μg/Kg	10
1,2,3-Trichloropropane		<2.84	μg/Kg	10
Isopropylbenzene		<2.52	μg/Kg	10
Bromobenzene		<3.08	μg/Kg	10
n-Propylbenzene		<2.90	μg/Kg	10
1,3,5-Trimethylbenzene		<2.70	μg/Kg	10
tert-Butylbenzene		<3.32	μg/Kg	10
1,2,4-Trimethylbenzene		<3.19	μg/Kg	10
1,4-Dichlorobenzene (para)		<2.46	μg/Kg	10
sec-Butylbenzene		<2.75	μg/Kg	10
1,3-Dichlorobenzene (meta)		<2.44	μg/Kg	10
p-Isopropyltoluene		<2.73	μg/Kg	10
4-Chlorotoluene		<2.72	μg/Kg	10
1,2-Dichlorobenzene (ortho)		<2.22	μg/Kg	10
n-Butylbenzene		3.37	μg/Kg	10
1,2-Dibromo-3-chloropropane		<7.25	μg/Kg	50
1,2,3-Trichlorobenzene		<4.91	μg/Kg	50
1,2,4-Trichlorobenzene		<3.95	μg/Kg	50
Naphthalene		<5.99	μg/Kg	50
Hexachlorobutadiene		<2.86	μg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		432	μg/Kg	1	500	86	79.7 - 120
Toluene-d8		522	μg/Kg	1	500	104	86.8 - 107
4-Bromofluorobenzene (4-BFB)		539	μg/Kg	1	500	108	82.5 - 116

Laboratory Control Spike (LCS-1)

QC Batch: 38590 Date Analyzed: 2007-06-27 Analyzed By: TG
Prep Batch: 33394 QC Preparation: 2007-06-27 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	275	mg/Kg	1	250	<10.7	110	64.1 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	256	mg/Kg	1	250	<10.7	102	64.1 - 124	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	185	182	mg/Kg	1	150	123	121	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 38619 Date Analyzed: 2007-06-27 Analyzed By: DS
Prep Batch: 33422 QC Preparation: 2007-06-27 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	2.31	mg/Kg	1	2.67	0	86	10 - 117
2-Chlorophenol	2.02	mg/Kg	1	2.67	0	76	10 - 117
1,4-Dichlorobenzene (para)	1.87	mg/Kg	1	2.67	0	70	10 - 116
N-Nitrosodi-n-propylamine	2.86	mg/Kg	1	2.67	0	107	10 - 121
1,2,4-Trichlorobenzene	1.99	mg/Kg	1	2.67	0	74	10 - 126
Naphthalene	2.01	mg/Kg	1	2.67	0	75	10 - 165
4-Chloro-3-methylphenol	1.73	mg/Kg	1	2.67	0	65	10 - 148
Acenaphthylene	2.35	mg/Kg	1	2.67	0	88	10 - 165
Acenaphthene	2.22	mg/Kg	1	2.67	0	83	10 - 154
Dibenzofuran	2.36	mg/Kg	1	2.67	0	88	10 - 165
4-Nitrophenol	1.81	mg/Kg	1	2.67	0	68	10 - 142
2,4-Dinitrotoluene	2.62	mg/Kg	1	2.67	0	98	10 - 170
Fluorene	2.32	mg/Kg	1	2.67	0	87	10 - 165
Pentachlorophenol	1.86	mg/Kg	1	2.67	0	70	10 - 145
Anthracene	2.35	mg/Kg	1	2.67	0	88	10 - 165
Phenanthrene	2.30	mg/Kg	1	2.67	0	86	10 - 165
Fluoranthene	2.47	mg/Kg	1	2.67	0	92	10 - 165
Pyrene	2.11	mg/Kg	1	2.67	0	79	10 - 227
Benzo(a)anthracene	2.16	mg/Kg	1	2.67	0	81	10 - 165
Chrysene	2.42	mg/Kg	1	2.67	0	91	10 - 165
Benzo(b)fluoranthene	2.21	mg/Kg	1	2.67	0	83	10 - 165
Benzo(k)fluoranthene	2.38	mg/Kg	1	2.67	0	89	10 - 165
Benzo(a)pyrene	2.42	mg/Kg	1	2.67	0	91	10 - 165
Indeno(1,2,3-cd)pyrene	2.48	mg/Kg	1	2.67	0	93	10 - 165
Dibenzo(a,h)anthracene	2.41	mg/Kg	1	2.67	0	90	10 - 165
Benzo(g,h,i)perylene	2.40	mg/Kg	1	2.67	0	90	10 - 165

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	2.45	mg/Kg	1	2.67	0	92	10 - 117	6	20
2-Chlorophenol	2.18	mg/Kg	1	2.67	0	82	10 - 117	8	20
1,4-Dichlorobenzene (para)	2.02	mg/Kg	1	2.67	0	76	10 - 116	8	20
N-Nitrosodi-n-propylamine	3.15	mg/Kg	1	2.67	0	118	10 - 121	10	20
1,2,4-Trichlorobenzene	2.14	mg/Kg	1	2.67	0	80	10 - 126	7	20
Naphthalene	2.17	mg/Kg	1	2.67	0	81	10 - 165	8	20
4-Chloro-3-methylphenol	1.86	mg/Kg	1	2.67	0	70	10 - 148	7	20
Acenaphthylene	2.52	mg/Kg	1	2.67	0	94	10 - 165	7	20
Acenaphthene	2.32	mg/Kg	1	2.67	0	87	10 - 154	4	20
Dibenzofuran	2.49	mg/Kg	1	2.67	0	93	10 - 165	5	20
4-Nitrophenol	1.81	mg/Kg	1	2.67	0	68	10 - 142	0	20
2,4-Dinitrotoluene	2.80	mg/Kg	1	2.67	0	105	10 - 170	7	20
Fluorene	2.46	mg/Kg	1	2.67	0	92	10 - 165	6	20
Pentachlorophenol	1.97	mg/Kg	1	2.67	0	74	10 - 145	6	20
Anthracene	2.54	mg/Kg	1	2.67	0	95	10 - 165	8	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenanthrene	2.50	mg/Kg	1	2.67	0	94	10 - 165	8	20
Fluoranthene	2.69	mg/Kg	1	2.67	0	101	10 - 165	8	20
Pyrene	2.26	mg/Kg	1	2.67	0	85	10 - 227	7	20
Benzo(a)anthracene	2.32	mg/Kg	1	2.67	0	87	10 - 165	7	20
Chrysene	2.57	mg/Kg	1	2.67	0	96	10 - 165	6	20
Benzo(b)fluoranthene	2.38	mg/Kg	1	2.67	0	89	10 - 165	7	20
Benzo(k)fluoranthene	2.53	mg/Kg	1	2.67	0	95	10 - 165	6	20
Benzo(a)pyrene	2.61	mg/Kg	1	2.67	0	98	10 - 165	8	20
Indeno(1,2,3-cd)pyrene	2.67	mg/Kg	1	2.67	0	100	10 - 165	7	20
Dibenzo(a,h)anthracene	2.59	mg/Kg	1	2.67	0	97	10 - 165	7	20
Benzo(g,h,i)perylene	2.59	mg/Kg	1	2.67	0	97	10 - 165	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	2.30	2.45	mg/Kg	1	2.67	86	92	10 - 103
Phenol-d5	2.88	3.05	mg/Kg	1	2.67	108	114	10 - 120
Nitrobenzene-d5	2.56	2.73	mg/Kg	1	2.67	96	102	10 - 125
2-Fluorobiphenyl [3]	3.11	3.30	mg/Kg	1	2.67	116	124	10 - 123
2,4,6-Tribromophenol	2.99	3.21	mg/Kg	1	2.67	112	120	14.4 - 145
Terphenyl-d14	3.29	3.57	mg/Kg	1	2.67	123	134	16.3 - 168

Laboratory Control Spike (LCS-1)

QC Batch: 38626 Date Analyzed: 2007-06-27 Analyzed By: JG
Prep Batch: 33429 QC Preparation: 2007-06-27 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	51.2	µg/L	1	50.0	<0.351	102	85.7 - 113
Dichlorodifluoromethane	49.2	µg/L	1	50.0	<0.306	98	60.3 - 134
Chloromethane (methyl chloride)	47.8	µg/L	1	50.0	<0.240	96	72 - 120
Vinyl Chloride	50.2	µg/L	1	50.0	<0.224	100	64.4 - 132
Bromomethane (methyl bromide)	48.5	µg/L	1	50.0	<0.325	97	65.9 - 133
Chloroethane	47.6	µg/L	1	50.0	<0.303	95	65.3 - 132
Trichlorofluoromethane	53.2	µg/L	1	50.0	<0.255	106	52.7 - 159
Acetone	37.6	µg/L	1	50.0	<1.86	75	10 - 185
Iodomethane (methyl iodide)	51.1	µg/L	1	50.0	<0.397	102	80.9 - 112
Carbon Disulfide	49.8	µg/L	1	50.0	<0.354	100	73.7 - 120
Acrylonitrile	48.9	µg/L	1	50.0	<0.306	98	75.8 - 121
2-Butanone (MEK)	45.0	µg/L	1	50.0	<0.670	90	43.7 - 117
4-Methyl-2-pentanone (MIBK)	50.6	µg/L	1	50.0	<0.463	101	69.3 - 120
2-Hexanone	48.6	µg/L	1	50.0	<0.303	97	35.6 - 138
trans 1,4-Dichloro-2-butene	51.5	µg/L	1	50.0	<0.407	103	40 - 128
1,1-Dichloroethene	50.7	µg/L	1	50.0	<0.326	101	83.4 - 114
Methylene chloride	50.8	µg/L	1	50.0	<0.375	102	62.6 - 119
MTBE	48.8	µg/L	1	50.0	<0.352	98	70 - 132

continued ...

[3] 8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
trans-1,2-Dichloroethene	50.4	µg/L	1	50.0	<0.322	101	83.3 - 114
1,1-Dichloroethane	49.9	µg/L	1	50.0	<0.324	100	87.8 - 113
cis-1,2-Dichloroethene	50.7	µg/L	1	50.0	<0.331	101	83.8 - 115
2,2-Dichloropropane	51.6	µg/L	1	50.0	<0.440	103	37.9 - 136
1,2-Dichloroethane (EDC)	47.8	µg/L	1	50.0	<0.327	96	82.6 - 122
Chloroform	48.7	µg/L	1	50.0	<0.345	97	84.8 - 116
1,1,1-Trichloroethane	49.6	µg/L	1	50.0	<0.303	99	72.9 - 123
1,1-Dichloropropene	50.1	µg/L	1	50.0	<0.356	100	85.9 - 119
Benzene	50.0	µg/L	1	50.0	<0.356	100	83.5 - 115
Carbon Tetrachloride	49.8	µg/L	1	50.0	<0.342	100	62.7 - 144
1,2-Dichloropropane	50.1	µg/L	1	50.0	<0.366	100	88.8 - 114
Trichloroethene (TCE)	51.4	µg/L	1	50.0	<0.434	103	91.3 - 111
Dibromomethane (methylene bromide)	50.0	µg/L	1	50.0	<0.406	100	84.2 - 118
Bromodichloromethane	50.5	µg/L	1	50.0	<0.325	101	79.5 - 127
2-Chloroethyl vinyl ether	51.9	µg/L	1	50.0	<0.366	104	75.1 - 128
cis-1,3-Dichloropropene	53.1	µg/L	1	50.0	<0.387	106	83.2 - 119
trans-1,3-Dichloropropene	52.7	µg/L	1	50.0	<0.367	105	77.4 - 126
Toluene	48.3	µg/L	1	50.0	<0.366	97	82 - 110
1,1,2-Trichloroethane	49.3	µg/L	1	50.0	<0.397	99	77 - 123
1,3-Dichloropropane	49.4	µg/L	1	50.0	<0.355	99	81.1 - 124
Dibromochloromethane	51.2	µg/L	1	50.0	<0.315	102	79 - 129
1,2-Dibromoethane (EDB)	49.9	µg/L	1	50.0	<0.340	100	78.6 - 126
Tetrachloroethene (PCE)	49.0	µg/L	1	50.0	<0.355	98	36.7 - 173
Chlorobenzene	50.1	µg/L	1	50.0	<0.363	100	87.9 - 109
1,1,1,2-Tetrachloroethane	49.7	µg/L	1	50.0	<0.338	99	80.5 - 125
Ethylbenzene	49.4	µg/L	1	50.0	<0.350	99	82.4 - 116
m,p-Xylene	98.2	µg/L	1	100	<0.752	98	80 - 119
Bromoform	52.2	µg/L	1	50.0	<0.275	104	75.8 - 132
Styrene	51.7	µg/L	1	50.0	<0.395	103	84.2 - 117
o-Xylene	49.2	µg/L	1	50.0	<0.375	98	82.1 - 119
1,1,2,2-Tetrachloroethane	49.1	µg/L	1	50.0	<0.283	98	69.7 - 124
2-Chlorotoluene	49.9	µg/L	1	50.0	<0.445	100	76.5 - 123
1,2,3-Trichloropropane	49.3	µg/L	1	50.0	<0.430	99	66.3 - 130
Isopropylbenzene	50.4	µg/L	1	50.0	<0.521	101	78.3 - 123
Bromobenzene	49.3	µg/L	1	50.0	<0.494	99	79.9 - 122
n-Propylbenzene	50.8	µg/L	1	50.0	<0.483	102	72.6 - 122
1,3,5-Trimethylbenzene	50.5	µg/L	1	50.0	<0.487	101	69.6 - 127
tert-Butylbenzene	51.5	µg/L	1	50.0	<0.496	103	64 - 129
1,2,4-Trimethylbenzene	49.8	µg/L	1	50.0	<0.532	100	71 - 123
1,4-Dichlorobenzene (para)	49.1	µg/L	1	50.0	<0.413	98	74 - 118
sec-Butylbenzene	51.8	µg/L	1	50.0	<0.449	104	59.8 - 129
1,3-Dichlorobenzene (meta)	50.4	µg/L	1	50.0	<0.451	101	80.2 - 119
p-Isopropyltoluene	52.2	µg/L	1	50.0	<0.450	104	54.8 - 135
4-Chlorotoluene	50.3	µg/L	1	50.0	<0.489	101	78.9 - 124
1,2-Dichlorobenzene (ortho)	51.0	µg/L	1	50.0	<0.438	102	80 - 120
n-Butylbenzene	51.8	µg/L	1	50.0	<0.461	104	51.1 - 136
1,2-Dibromo-3-chloropropane	49.3	µg/L	1	50.0	<0.532	99	38.2 - 151
1,2,3-Trichlorobenzene	71.8	µg/L	1	50.0	<0.288	144	25.4 - 158
1,2,4-Trichlorobenzene	58.1	µg/L	1	50.0	<0.273	116	38.2 - 140
Naphthalene	64.1	µg/L	1	50.0	<0.299	128	33.3 - 152

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Hexachlorobutadiene	56.3	µg/L	1	50.0	<0.483	113	49.1 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	51.1	µg/L	1	50.0	<0.351	102	85.7 - 113	0	20
Dichlorodifluoromethane	50.9	µg/L	1	50.0	<0.306	102	60.3 - 134	3	20
Chloromethane (methyl chloride)	47.6	µg/L	1	50.0	<0.240	95	72 - 120	0	20
Vinyl Chloride	49.9	µg/L	1	50.0	<0.224	100	64.4 - 132	1	20
Bromomethane (methyl bromide)	48.3	µg/L	1	50.0	<0.325	97	65.9 - 133	0	20
Chloroethane	47.8	µg/L	1	50.0	<0.303	96	65.3 - 132	0	20
Trichlorofluoromethane	53.6	µg/L	1	50.0	<0.255	107	52.7 - 159	1	20
Acetone	39.6	µg/L	1	50.0	<1.86	79	10 - 185	5	20
Iodomethane (methyl iodide)	50.9	µg/L	1	50.0	<0.397	102	80.9 - 112	0	20
Carbon Disulfide	50.1	µg/L	1	50.0	<0.354	100	73.7 - 120	1	20
Acrylonitrile	49.6	µg/L	1	50.0	<0.306	99	75.8 - 121	1	20
2-Butanone (MEK)	46.4	µg/L	1	50.0	<0.670	93	43.7 - 117	3	20
4-Methyl-2-pentanone (MIBK)	51.4	µg/L	1	50.0	<0.463	103	69.3 - 120	2	20
2-Hexanone	49.0	µg/L	1	50.0	<0.303	98	35.6 - 138	1	20
trans 1,4-Dichloro-2-butene	51.7	µg/L	1	50.0	<0.407	103	40 - 128	0	20
1,1-Dichloroethene	50.2	µg/L	1	50.0	<0.326	100	83.4 - 114	1	20
Methylene chloride	50.4	µg/L	1	50.0	<0.375	101	62.6 - 119	1	20
MTBE	49.0	µg/L	1	50.0	<0.352	98	70 - 132	0	20
trans-1,2-Dichloroethene	49.9	µg/L	1	50.0	<0.322	100	83.3 - 114	1	20
1,1-Dichloroethane	50.2	µg/L	1	50.0	<0.324	100	87.8 - 113	1	20
cis-1,2-Dichloroethene	50.6	µg/L	1	50.0	<0.331	101	83.8 - 115	0	20
2,2-Dichloropropane	51.0	µg/L	1	50.0	<0.440	102	37.9 - 136	1	20
1,2-Dichloroethane (EDC)	47.8	µg/L	1	50.0	<0.327	96	82.6 - 122	0	20
Chloroform	48.8	µg/L	1	50.0	<0.345	98	84.8 - 116	0	20
1,1,1-Trichloroethane	49.9	µg/L	1	50.0	<0.303	100	72.9 - 123	1	20
1,1-Dichloropropene	50.1	µg/L	1	50.0	<0.356	100	85.9 - 119	0	20
Benzene	49.4	µg/L	1	50.0	<0.356	99	83.5 - 115	1	20
Carbon Tetrachloride	50.1	µg/L	1	50.0	<0.342	100	62.7 - 144	1	20
1,2-Dichloropropane	49.9	µg/L	1	50.0	<0.366	100	88.8 - 114	0	20
Trichloroethene (TCE)	50.5	µg/L	1	50.0	<0.434	101	91.3 - 111	2	20
Dibromomethane (methylene bromide)	49.8	µg/L	1	50.0	<0.406	100	84.2 - 118	0	20
Bromodichloromethane	50.3	µg/L	1	50.0	<0.325	101	79.5 - 127	0	20
2-Chloroethyl vinyl ether	51.7	µg/L	1	50.0	<0.366	103	75.1 - 128	0	20
cis-1,3-Dichloropropene	52.5	µg/L	1	50.0	<0.387	105	83.2 - 119	1	20
trans-1,3-Dichloropropene	52.8	µg/L	1	50.0	<0.367	106	77.4 - 126	0	20
Toluene	47.8	µg/L	1	50.0	<0.366	96	82 - 110	1	20
1,1,2-Trichloroethane	48.6	µg/L	1	50.0	<0.397	97	77 - 123	1	20
1,3-Dichloropropane	49.1	µg/L	1	50.0	<0.355	98	81.1 - 124	1	20
Dibromochloromethane	50.9	µg/L	1	50.0	<0.315	102	79 - 129	1	20
1,2-Dibromoethane (EDB)	50.3	µg/L	1	50.0	<0.340	101	78.6 - 126	1	20
Tetrachloroethene (PCE)	49.6	µg/L	1	50.0	<0.355	99	36.7 - 173	1	20
Chlorobenzene	49.7	µg/L	1	50.0	<0.363	99	87.9 - 109	1	20
1,1,1,2-Tetrachloroethane	49.5	µg/L	1	50.0	<0.338	99	80.5 - 125	0	20
Ethylbenzene	49.2	µg/L	1	50.0	<0.350	98	82.4 - 116	0	20
m,p-Xylene	97.3	µg/L	1	100	<0.752	97	80 - 119	1	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromoform	52.6	µg/L	1	50.0	<0.275	105	75.8 - 132	1	20
Styrene	51.2	µg/L	1	50.0	<0.395	102	84.2 - 117	1	20
o-Xylene	49.4	µg/L	1	50.0	<0.375	99	82.1 - 119	0	20
1,1,2,2-Tetrachloroethane	49.3	µg/L	1	50.0	<0.283	99	69.7 - 124	0	20
2-Chlorotoluene	49.1	µg/L	1	50.0	<0.445	98	76.5 - 123	2	20
1,2,3-Trichloropropane	48.8	µg/L	1	50.0	<0.430	98	66.3 - 130	1	20
Isopropylbenzene	49.7	µg/L	1	50.0	<0.521	99	78.3 - 123	1	20
Bromobenzene	48.7	µg/L	1	50.0	<0.494	97	79.9 - 122	1	20
n-Propylbenzene	49.7	µg/L	1	50.0	<0.483	99	72.6 - 122	2	20
1,3,5-Trimethylbenzene	49.7	µg/L	1	50.0	<0.487	99	69.6 - 127	2	20
tert-Butylbenzene	50.9	µg/L	1	50.0	<0.496	102	64 - 129	1	20
1,2,4-Trimethylbenzene	49.2	µg/L	1	50.0	<0.532	98	71 - 123	1	20
1,4-Dichlorobenzene (para)	48.3	µg/L	1	50.0	<0.413	97	74 - 118	2	20
sec-Butylbenzene	51.0	µg/L	1	50.0	<0.449	102	59.8 - 129	2	20
1,3-Dichlorobenzene (meta)	49.8	µg/L	1	50.0	<0.451	100	80.2 - 119	1	20
p-Isopropyltoluene	51.2	µg/L	1	50.0	<0.450	102	54.8 - 135	2	20
4-Chlorotoluene	49.4	µg/L	1	50.0	<0.489	99	78.9 - 124	2	20
1,2-Dichlorobenzene (ortho)	49.9	µg/L	1	50.0	<0.438	100	80 - 120	2	20
n-Butylbenzene	51.3	µg/L	1	50.0	<0.461	103	51.1 - 136	1	20
1,2-Dibromo-3-chloropropane	47.7	µg/L	1	50.0	<0.532	95	38.2 - 151	3	20
1,2,3-Trichlorobenzene	65.7	µg/L	1	50.0	<0.288	131	25.4 - 158	9	20
1,2,4-Trichlorobenzene	56.1	µg/L	1	50.0	<0.273	112	38.2 - 140	4	20
Naphthalene	62.6	µg/L	1	50.0	<0.299	125	33.3 - 152	2	20
Hexachlorobutadiene	55.2	µg/L	1	50.0	<0.483	110	49.1 - 134	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	49.4	49.6	µg/L	1	50.0	99	99	82.4 - 115
Toluene-d8	49.2	49.1	µg/L	1	50.0	98	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)	48.2	47.8	µg/L	1	50.0	96	96	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 38643 Date Analyzed: 2007-06-28 Analyzed By: DS
Prep Batch: 33449 QC Preparation: 2007-06-28 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.0217	mg/L	1	0.0800	0	27	10 - 46.1
2-Chlorophenol	0.0628	mg/L	1	0.0800	0	78	10 - 123
1,4-Dichlorobenzene (para)	0.0566	mg/L	1	0.0800	0	71	10 - 118
N-Nitrosodi-n-propylamine	0.0891	mg/L	1	0.0800	0	111	10 - 132
1,2,4-Trichlorobenzene	0.0620	mg/L	1	0.0800	0	78	10 - 130
Naphthalene	0.0632	mg/L	1	0.0800	0	79	20.3 - 121
4-Chloro-3-methylphenol	0.0521	mg/L	1	0.0800	0	65	10 - 140
Acenaphthylene	0.0789	mg/L	1	0.0800	0	99	22.3 - 124
Acenaphthene	0.0726	mg/L	1	0.0800	0	91	18.8 - 134
Dibenzofuran	0.0774	mg/L	1	0.0800	0	97	37.5 - 102

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
4-Nitrophenol	0.0161	mg/L	1	0.0800	0	20	10 - 135
2,4-Dinitrotoluene	0.0850	mg/L	1	0.0800	0	106	13.6 - 152
Fluorene	0.0760	mg/L	1	0.0800	0	95	29.7 - 114
Pentachlorophenol	0.0580	mg/L	1	0.0800	0	72	10 - 144
Anthracene	0.0768	mg/L	1	0.0800	0	96	48.2 - 118
Phenanthrene	0.0758	mg/L	1	0.0800	0	95	45.5 - 121
Fluoranthene	0.0799	mg/L	1	0.0800	0	100	42.7 - 126
Pyrene	0.0674	mg/L	1	0.0800	0	84	26.8 - 155
Benzo(a)anthracene	0.0688	mg/L	1	0.0800	0	86	60.2 - 97.3
Chrysene	0.0524	mg/L	1	0.0800	0	66	56 - 92.4
Benzo(b)fluoranthene	0.0782	mg/L	1	0.0800	0	98	73.9 - 102
Benzo(k)fluoranthene	0.0874	mg/L	1	0.0800	0	109	45.6 - 143
Benzo(a)pyrene	0.0879	mg/L	1	0.0800	0	110	54.8 - 122
Indeno(1,2,3-cd)pyrene	0.0894	mg/L	1	0.0800	0	112	61.4 - 118
Dibenzo(a,h)anthracene	0.0832	mg/L	1	0.0800	0	104	64.9 - 118
Benzo(g,h,i)perylene	0.0867	mg/L	1	0.0800	0	108	46.8 - 129

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.0219	mg/L	1	0.0800	0	27	10 - 46.1	1	20
2-Chlorophenol	0.0621	mg/L	1	0.0800	0	78	10 - 123	1	20
1,4-Dichlorobenzene (para)	0.0566	mg/L	1	0.0800	0	71	10 - 118	0	20
N-Nitrosodi-n-propylamine	0.0930	mg/L	1	0.0800	0	116	10 - 132	4	20
1,2,4-Trichlorobenzene	0.0607	mg/L	1	0.0800	0	76	10 - 130	2	20
Naphthalene	0.0636	mg/L	1	0.0800	0	80	20.3 - 121	1	20
4-Chloro-3-methylphenol	0.0574	mg/L	1	0.0800	0	72	10 - 140	10	20
Acenaphthylene	0.0776	mg/L	1	0.0800	0	97	22.3 - 124	2	20
Acenaphthene	0.0717	mg/L	1	0.0800	0	90	18.8 - 134	1	20
Dibenzofuran	0.0758	mg/L	1	0.0800	0	95	37.5 - 102	2	20
4-Nitrophenol	0.0156	mg/L	1	0.0800	0	20	10 - 135	3	20
2,4-Dinitrotoluene	0.0804	mg/L	1	0.0800	0	100	13.6 - 152	6	20
Fluorene	0.0738	mg/L	1	0.0800	0	92	29.7 - 114	3	20
Pentachlorophenol	0.0583	mg/L	1	0.0800	0	73	10 - 144	0	20
Anthracene	0.0759	mg/L	1	0.0800	0	95	48.2 - 118	1	20
Phenanthrene	0.0746	mg/L	1	0.0800	0	93	45.5 - 121	2	20
Fluoranthene	0.0798	mg/L	1	0.0800	0	100	42.7 - 126	0	20
Pyrene	0.0678	mg/L	1	0.0800	0	85	26.8 - 155	1	20
Benzo(a)anthracene	0.0680	mg/L	1	0.0800	0	85	60.2 - 97.3	1	20
Chrysene	0.0519	mg/L	1	0.0800	0	65	56 - 92.4	1	20
Benzo(b)fluoranthene	0.0778	mg/L	1	0.0800	0	97	73.9 - 102	0	20
Benzo(k)fluoranthene	0.0843	mg/L	1	0.0800	0	105	45.6 - 143	4	20
Benzo(a)pyrene	0.0858	mg/L	1	0.0800	0	107	54.8 - 122	2	20
Indeno(1,2,3-cd)pyrene	0.0879	mg/L	1	0.0800	0	110	61.4 - 118	2	20
Dibenzo(a,h)anthracene	0.0816	mg/L	1	0.0800	0	102	64.9 - 118	2	20
Benzo(g,h,i)perylene	0.0850	mg/L	1	0.0800	0	106	46.8 - 129	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

control spikes continued ...

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	0.0330	0.0331	mg/L	1	0.0800	41	41	10 - 109
Phenol-d5	0.0253	0.0250	mg/L	1	0.0800	32	31	10 - 61.5
Nitrobenzene-d5	0.0810	0.0810	mg/L	1	0.0800	101	101	10 - 139
2-Fluorobiphenyl	0.100	0.0954	mg/L	1	0.0800	125	119	10 - 139
2,4,6-Tribromophenol	0.0948	0.0913	mg/L	1	0.0800	118	114	10 - 161
Terphenyl-d14	0.0749	0.0740	mg/L	1	0.0800	94	92	10 - 144

Laboratory Control Spike (LCS-1)

QC Batch: 38652 Date Analyzed: 2007-06-28 Analyzed By: TG
Prep Batch: 33458 QC Preparation: 2007-06-28 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	26.2	mg/L	1	25.0	<1.06	105	56.9 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO [4]	25.3	mg/L	1	25.0	<1.06	101	56.9 - 128	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	19.5	19.4	mg/L	1	15.0	130	129	40.7 - 174

Laboratory Control Spike (LCS-1)

QC Batch: 38726 Date Analyzed: 2007-07-02 Analyzed By: JG
Prep Batch: 33520 QC Preparation: 2007-07-02 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	482	µg/Kg	1	500	<0.825	96	85 - 114
Dichlorodifluoromethane	438	µg/Kg	1	500	<0.889	88	57.1 - 129
Chloromethane (methyl chloride)	464	µg/Kg	1	500	<0.929	93	66.7 - 111
Vinyl Chloride	458	µg/Kg	1	500	<0.463	92	66.6 - 116
Bromomethane (methyl bromide)	444	µg/Kg	1	500	<1.71	89	43.4 - 143
Chloroethane	438	µg/Kg	1	500	<3.68	88	44.9 - 135
Trichlorofluoromethane	447	µg/Kg	1	500	<0.306	89	57.6 - 131
Acetone	384	µg/Kg	1	500	<1.70	77	16.7 - 142
Iodomethane (methyl iodide)	486	µg/Kg	1	500	<0.640	97	81.1 - 116
Carbon Disulfide	473	µg/Kg	1	500	<0.346	95	79.7 - 112

continued ...

[4] Not enough sample for MS/MSD. Use LCS/LCSD to verify analysis is under control. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Acrylonitrile	526	µg/Kg	1	500	<1.51	105	74.9 - 124
2-Butanone (MEK)	484	µg/Kg	1	500	<3.78	97	50.9 - 124
4-Methyl-2-pentanone (MIBK)	498	µg/Kg	1	500	<7.86	100	71.2 - 134
2-Hexanone	530	µg/Kg	1	500	<5.70	106	43.1 - 135
trans 1,4-Dichloro-2-butene	506	µg/Kg	1	500	<1.33	101	46 - 134
1,1-Dichloroethene	472	µg/Kg	1	500	<0.639	94	76 - 118
Methylene chloride	428	µg/Kg	1	500	<1.19	86	64.4 - 110
MTBE	506	µg/Kg	1	500	<0.362	101	84.8 - 120
trans-1,2-Dichloroethene	483	µg/Kg	1	500	<0.419	97	82 - 112
1,1-Dichloroethane	475	µg/Kg	1	500	<0.257	95	81.4 - 113
cis-1,2-Dichloroethene	492	µg/Kg	1	500	<0.627	98	84.9 - 113
2,2-Dichloropropane	478	µg/Kg	1	500	<0.593	96	35.1 - 136
1,2-Dichloroethane (EDC)	457	µg/Kg	1	500	<0.524	91	35.1 - 136
Chloroform	465	µg/Kg	1	500	<0.440	93	81 - 115
1,1,1-Trichloroethane	467	µg/Kg	1	500	<0.750	93	80.2 - 113
1,1-Dichloropropene	500	µg/Kg	1	500	<0.622	100	75.4 - 113
Benzene	501	µg/Kg	1	500	<0.644	100	84.6 - 114
Carbon Tetrachloride	493	µg/Kg	1	500	<0.485	99	86.6 - 113
1,2-Dichloropropane	497	µg/Kg	1	500	<0.547	99	67 - 127
Trichloroethene (TCE)	495	µg/Kg	1	500	<0.836	99	84.9 - 115
Dibromomethane (methylene bromide)	506	µg/Kg	1	500	<0.435	101	92.6 - 114
Bromodichloromethane	506	µg/Kg	1	500	<0.457	101	87.7 - 114
2-Chloroethyl vinyl ether	485	µg/Kg	1	500	<0.547	97	81.1 - 121
cis-1,3-Dichloropropene	524	µg/Kg	1	500	<0.596	105	84.9 - 115
trans-1,3-Dichloropropene	529	µg/Kg	1	500	<0.561	106	85.8 - 118
Toluene	495	µg/Kg	1	500	<1.12	99	80.7 - 109
1,1,2-Trichloroethane	539	µg/Kg	1	500	<3.25	108	89 - 115
1,3-Dichloropropane	541	µg/Kg	1	500	<0.505	108	90.3 - 115
Dibromochloromethane	561	µg/Kg	1	500	<0.552	112	82.6 - 129
1,2-Dibromoethane (EDB)	552	µg/Kg	1	500	<0.688	110	93.3 - 117
Tetrachloroethene (PCE)	538	µg/Kg	1	500	<0.826	108	50.2 - 143
Chlorobenzene	521	µg/Kg	1	500	<0.426	104	86.1 - 111
1,1,1,2-Tetrachloroethane	529	µg/Kg	1	500	<0.289	106	81.4 - 122
Ethylbenzene [5]	534	µg/Kg	1	500	<0.376	107	84.4 - 106
m,p-Xylene	1070	µg/Kg	1	1000	<0.714	107	84 - 108
Bromoform	596	µg/Kg	1	500	<0.426	119	77 - 139
Styrene	568	µg/Kg	1	500	<0.796	114	87.6 - 122
o-Xylene	546	µg/Kg	1	500	<0.679	109	86.6 - 111
1,1,2,2-Tetrachloroethane	560	µg/Kg	1	500	<0.703	112	76.4 - 124
2-Chlorotoluene	542	µg/Kg	1	500	<1.26	108	81.7 - 115
1,2,3-Trichloropropane	572	µg/Kg	1	500	<0.504	114	75.7 - 134
Isopropylbenzene	565	µg/Kg	1	500	<1.30	113	81 - 118
Bromobenzene	555	µg/Kg	1	500	<0.480	111	82.7 - 121
n-Propylbenzene	548	µg/Kg	1	500	<0.421	110	73.4 - 115
1,3,5-Trimethylbenzene	552	µg/Kg	1	500	<2.10	110	76 - 113
tert-Butylbenzene	554	µg/Kg	1	500	<0.410	111	70 - 116
1,2,4-Trimethylbenzene	557	µg/Kg	1	500	<0.535	111	78.6 - 115
1,4-Dichlorobenzene (para)	535	µg/Kg	1	500	<0.387	107	78.6 - 109
sec-Butylbenzene	538	µg/Kg	1	500	<0.632	108	64 - 114

continued ...

[5] Spike recovery out of control limits. Majority of remaining analyte recoveries within limits showing analysis to be in control. •

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,3-Dichlorobenzene (meta)	546	µg/Kg	1	500	<0.534	109	86.8 - 109
p-Isopropyltoluene	560	µg/Kg	1	500	<0.679	112	64.8 - 115
4-Chlorotoluene	550	µg/Kg	1	500	<0.675	110	83.3 - 117
1,2-Dichlorobenzene (ortho) [6]	561	µg/Kg	1	500	<0.475	112	88.4 - 110
n-Butylbenzene	560	µg/Kg	1	500	<0.979	112	61.5 - 112
1,2-Dibromo-3-chloropropane	615	µg/Kg	1	500	<0.883	123	47.4 - 147
1,2,3-Trichlorobenzene	714	µg/Kg	1	500	<3.64	143	19.4 - 159
1,2,4-Trichlorobenzene	633	µg/Kg	1	500	<2.28	127	37.6 - 135
Naphthalene	747	µg/Kg	1	500	<4.41	149	20.8 - 179
Hexachlorobutadiene	543	µg/Kg	1	500	<3.24	109	54.5 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	475	µg/Kg	1	500	<0.825	95	85 - 114	2	20
Dichlorodifluoromethane	441	µg/Kg	1	500	<0.889	88	57.1 - 129	1	20
Chloromethane (methyl chloride)	451	µg/Kg	1	500	<0.929	90	66.7 - 111	3	20
Vinyl Chloride	440	µg/Kg	1	500	<0.463	88	66.6 - 116	4	20
Bromomethane (methyl bromide)	430	µg/Kg	1	500	<1.71	86	43.4 - 143	3	20
Chloroethane	425	µg/Kg	1	500	<3.68	85	44.9 - 135	3	20
Trichlorofluoromethane	440	µg/Kg	1	500	<0.306	88	57.6 - 131	2	20
Acetone	384	µg/Kg	1	500	<1.70	77	16.7 - 142	0	20
Iodomethane (methyl iodide)	482	µg/Kg	1	500	<0.640	96	81.1 - 116	1	20
Carbon Disulfide	462	µg/Kg	1	500	<0.346	92	79.7 - 112	2	20
Acrylonitrile	529	µg/Kg	1	500	<1.51	106	74.9 - 124	1	20
2-Butanone (MEK)	516	µg/Kg	1	500	<3.78	103	50.9 - 124	6	20
4-Methyl-2-pentanone (MIBK)	521	µg/Kg	1	500	<7.86	104	71.2 - 134	4	20
2-Hexanone	528	µg/Kg	1	500	<5.70	106	43.1 - 135	0	20
trans 1,4-Dichloro-2-butene	508	µg/Kg	1	500	<1.33	102	46 - 134	0	20
1,1-Dichloroethene	472	µg/Kg	1	500	<0.639	94	76 - 118	0	20
Methylene chloride	423	µg/Kg	1	500	<1.19	85	64.4 - 110	1	20
MTBE	506	µg/Kg	1	500	<0.362	101	84.8 - 120	0	20
trans-1,2-Dichloroethene	480	µg/Kg	1	500	<0.419	96	82 - 112	1	20
1,1-Dichloroethane	472	µg/Kg	1	500	<0.257	94	81.4 - 113	1	20
cis-1,2-Dichloroethene	492	µg/Kg	1	500	<0.627	98	84.9 - 113	0	20
2,2-Dichloropropane	469	µg/Kg	1	500	<0.593	94	35.1 - 136	2	20
1,2-Dichloroethane (EDC)	455	µg/Kg	1	500	<0.524	91	35.1 - 136	0	20
Chloroform	459	µg/Kg	1	500	<0.440	92	81 - 115	1	20
1,1,1-Trichloroethane	464	µg/Kg	1	500	<0.750	93	80.2 - 113	1	20
1,1-Dichloropropene	490	µg/Kg	1	500	<0.622	98	75.4 - 113	2	20
Benzene	497	µg/Kg	1	500	<0.644	99	84.6 - 114	1	20
Carbon Tetrachloride	493	µg/Kg	1	500	<0.485	99	86.6 - 113	0	20
1,2-Dichloropropane	494	µg/Kg	1	500	<0.547	99	67 - 127	1	20
Trichloroethene (TCE)	494	µg/Kg	1	500	<0.836	99	84.9 - 115	0	20
Dibromomethane (methylene bromide)	499	µg/Kg	1	500	<0.435	100	92.6 - 114	1	20
Bromodichloromethane	504	µg/Kg	1	500	<0.457	101	87.7 - 114	0	20
2-Chloroethyl vinyl ether	482	µg/Kg	1	500	<0.547	96	81.1 - 121	1	20
cis-1,3-Dichloropropene	516	µg/Kg	1	500	<0.596	103	84.9 - 115	2	20
trans-1,3-Dichloropropene	518	µg/Kg	1	500	<0.561	104	85.8 - 118	2	20

continued ...

[6] Spike recovery out of control limits. Majority of remaining analyte recoveries within limits showing analysis to be in control. •

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Toluene	490	µg/Kg	1	500	<1.12	98	80.7 - 109	1	20
1,1,2-Trichloroethane	537	µg/Kg	1	500	<3.25	107	89 - 115	0	20
1,3-Dichloropropane	536	µg/Kg	1	500	<0.505	107	90.3 - 115	1	20
Dibromochloromethane	562	µg/Kg	1	500	<0.552	112	82.6 - 129	0	20
1,2-Dibromoethane (EDB)	557	µg/Kg	1	500	<0.688	111	93.3 - 117	1	20
Tetrachloroethene (PCE)	538	µg/Kg	1	500	<0.826	108	50.2 - 143	0	20
Chlorobenzene	518	µg/Kg	1	500	<0.426	104	86.1 - 111	1	20
1,1,1,2-Tetrachloroethane	526	µg/Kg	1	500	<0.289	105	81.4 - 122	1	20
Ethylbenzene	531	µg/Kg	1	500	<0.376	106	84.4 - 106	1	20
m,p-Xylene	1060	µg/Kg	1	1000	<0.714	106	84 - 108	1	20
Bromoform	595	µg/Kg	1	500	<0.426	119	77 - 139	0	20
Styrene	563	µg/Kg	1	500	<0.796	113	87.6 - 122	1	20
o-Xylene	539	µg/Kg	1	500	<0.679	108	86.6 - 111	1	20
1,1,2,2-Tetrachloroethane	564	µg/Kg	1	500	<0.703	113	76.4 - 124	1	20
2-Chlorotoluene	536	µg/Kg	1	500	<1.26	107	81.7 - 115	1	20
1,2,3-Trichloropropane	575	µg/Kg	1	500	<0.504	115	75.7 - 134	0	20
Isopropylbenzene	560	µg/Kg	1	500	<1.30	112	81 - 118	1	20
Bromobenzene	552	µg/Kg	1	500	<0.480	110	82.7 - 121	0	20
n-Propylbenzene	545	µg/Kg	1	500	<0.421	109	73.4 - 115	0	20
1,3,5-Trimethylbenzene	545	µg/Kg	1	500	<2.10	109	76 - 113	1	20
tert-Butylbenzene	550	µg/Kg	1	500	<0.410	110	70 - 116	1	20
1,2,4-Trimethylbenzene	551	µg/Kg	1	500	<0.535	110	78.6 - 115	1	20
1,4-Dichlorobenzene (para)	529	µg/Kg	1	500	<0.387	106	78.6 - 109	1	20
sec-Butylbenzene	536	µg/Kg	1	500	<0.632	107	64 - 114	0	20
1,3-Dichlorobenzene (meta)	541	µg/Kg	1	500	<0.534	108	86.8 - 109	1	20
p-Isopropyltoluene	551	µg/Kg	1	500	<0.679	110	64.8 - 115	2	20
4-Chlorotoluene	542	µg/Kg	1	500	<0.675	108	83.3 - 117	2	20
1,2-Dichlorobenzene (ortho) [7]	555	µg/Kg	1	500	<0.475	111	88.4 - 110	1	20
n-Butylbenzene	553	µg/Kg	1	500	<0.979	111	61.5 - 112	1	20
1,2-Dibromo-3-chloropropane	605	µg/Kg	1	500	<0.883	121	47.4 - 147	2	20
1,2,3-Trichlorobenzene	738	µg/Kg	1	500	<3.64	148	19.4 - 159	3	20
1,2,4-Trichlorobenzene	641	µg/Kg	1	500	<2.28	128	37.6 - 135	1	20
Naphthalene	754	µg/Kg	1	500	<4.41	151	20.8 - 179	1	20
Hexachlorobutadiene	541	µg/Kg	1	500	<3.24	108	54.5 - 128	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	478	471	µg/Kg	1	500	96	94	79.7 - 120
Toluene-d8	524	521	µg/Kg	1	500	105	104	86.8 - 107
4-Bromofluorobenzene (4-BFB)	554	548	µg/Kg	1	500	111	110	82.5 - 116

Matrix Spike (MS-1) Spiked Sample: 128605

QC Batch:	38590	Date Analyzed:	2007-06-27	Analyzed By:	TG
Prep Batch:	33394	QC Preparation:	2007-06-27	Prepared By:	TG

[7] LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	270	mg/Kg	1	250	<10.7	108	47.5 - 127

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	260	mg/Kg	1	250	<10.7	104	47.5 - 127	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	182	188	mg/Kg	1	150	121	125	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 128604

QC Batch: 38619 Date Analyzed: 2007-06-27 Analyzed By: DS
Prep Batch: 33422 QC Preparation: 2007-06-27 Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.96	mg/Kg	1	2.67	0	73	10 - 117
2-Chlorophenol	1.73	mg/Kg	1	2.67	0	65	10 - 117
1,4-Dichlorobenzene (para)	1.37	mg/Kg	1	2.67	0	51	10 - 116
N-Nitrosodi-n-propylamine	2.16	mg/Kg	1	2.67	0	81	10 - 121
1,2,4-Trichlorobenzene	1.45	mg/Kg	1	2.67	0	54	10 - 126
Naphthalene	1.72	mg/Kg	1	2.67	0	64	10 - 165
4-Chloro-3-methylphenol	1.54	mg/Kg	1	2.67	0	58	10 - 148
Acenaphthylene	2.01	mg/Kg	1	2.67	0	75	10 - 165
Acenaphthene	1.85	mg/Kg	1	2.67	0	69	10 - 154
Dibenzofuran	2.00	mg/Kg	1	2.67	0	75	10 - 165
4-Nitrophenol	2.20	mg/Kg	1	2.67	0	82	10 - 142
2,4-Dinitrotoluene	2.02	mg/Kg	1	2.67	0	76	10 - 170
Fluorene	2.02	mg/Kg	1	2.67	0	76	10 - 165
Pentachlorophenol	1.72	mg/Kg	1	2.67	0	64	10 - 145
Anthracene	2.21	mg/Kg	1	2.67	0	83	10 - 165
Phenanthrene	2.23	mg/Kg	1	2.67	0	84	10 - 165
Fluoranthene	2.46	mg/Kg	1	2.67	0	92	10 - 165
Pyrene	2.07	mg/Kg	1	2.67	0	78	10 - 227
Benzo(a)anthracene	2.11	mg/Kg	1	2.67	0	79	10 - 165
Chrysene	2.36	mg/Kg	1	2.67	0	88	10 - 165
Benzo(b)fluoranthene	2.18	mg/Kg	1	2.67	0	82	10 - 165
Benzo(k)fluoranthene	2.28	mg/Kg	1	2.67	0	85	10 - 165
Benzo(a)pyrene	2.39	mg/Kg	1	2.67	0	90	10 - 165
Indeno(1,2,3-cd)pyrene	2.44	mg/Kg	1	2.67	0	91	10 - 165
Dibenzo(a,h)anthracene	2.36	mg/Kg	1	2.67	0	88	10 - 165
Benzo(g,h,i)perylene	2.37	mg/Kg	1	2.67	0	89	10 - 165

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued . . .

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	1.92	mg/Kg	1	2.67	0	72	10 - 117	2	20
2-Chlorophenol	1.74	mg/Kg	1	2.67	0	65	10 - 117	1	20
1,4-Dichlorobenzene (para)	1.37	mg/Kg	1	2.67	0	51	10 - 116	0	20
N-Nitrosodi-n-propylamine	2.09	mg/Kg	1	2.67	0	78	10 - 121	3	20
1,2,4-Trichlorobenzene	1.44	mg/Kg	1	2.67	0	54	10 - 126	1	20
Naphthalene	1.71	mg/Kg	1	2.67	0	64	10 - 165	1	20
4-Chloro-3-methylphenol	1.60	mg/Kg	1	2.67	0	60	10 - 148	4	20
Acenaphthylene	2.02	mg/Kg	1	2.67	0	76	10 - 165	0	20
Acenaphthene	1.87	mg/Kg	1	2.67	0	70	10 - 154	1	20
Dibenzofuran	2.04	mg/Kg	1	2.67	0	76	10 - 165	2	20
4-Nitrophenol	2.16	mg/Kg	1	2.67	0	81	10 - 142	2	20
2,4-Dinitrotoluene	2.01	mg/Kg	1	2.67	0	75	10 - 170	0	20
Fluorene	2.05	mg/Kg	1	2.67	0	77	10 - 165	2	20
Pentachlorophenol	1.78	mg/Kg	1	2.67	0	67	10 - 145	3	20
Anthracene	2.19	mg/Kg	1	2.67	0	82	10 - 165	1	20
Phenanthrene	2.20	mg/Kg	1	2.67	0	82	10 - 165	1	20
Fluoranthene	2.46	mg/Kg	1	2.67	0	92	10 - 165	0	20
Pyrene	2.06	mg/Kg	1	2.67	0	77	10 - 227	0	20
Benzo(a)anthracene	2.11	mg/Kg	1	2.67	0	79	10 - 165	0	20
Chrysene	2.34	mg/Kg	1	2.67	0	88	10 - 165	1	20
Benzo(b)fluoranthene	2.13	mg/Kg	1	2.67	0	80	10 - 165	2	20
Benzo(k)fluoranthene	2.35	mg/Kg	1	2.67	0	88	10 - 165	3	20
Benzo(a)pyrene	2.40	mg/Kg	1	2.67	0	90	10 - 165	0	20
Indeno(1,2,3-cd)pyrene	2.46	mg/Kg	1	2.67	0	92	10 - 165	1	20
Dibenzo(a,h)anthracene	2.39	mg/Kg	1	2.67	0	90	10 - 165	1	20
Benzo(g,h,i)perylene	2.39	mg/Kg	1	2.67	0	90	10 - 165	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	1.86	1.80	mg/Kg	1	2.67	70	67	10 - 103
Phenol-d5	2.30	2.29	mg/Kg	1	2.67	86	86	10 - 120
Nitrobenzene-d5	2.05	2.04	mg/Kg	1	2.67	77	76	10 - 125
2-Fluorobiphenyl	2.46	2.40	mg/Kg	1	2.67	92	90	10 - 123
2,4,6-Tribromophenol	2.64	2.63	mg/Kg	1	2.67	99	98	14.4 - 145
Terphenyl-d14	3.10	3.13	mg/Kg	1	2.67	116	117	16.3 - 168

Matrix Spike (MS-1) Spiked Sample: 128610

QC Batch: 38626 Date Analyzed: 2007-06-27 Analyzed By: JG
Prep Batch: 33429 QC Preparation: 2007-06-27 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	55.8	μg/L	1	50.0	<0.0699	112	82.5 - 118
Dichlorodifluoromethane	57.2	μg/L	1	50.0	<0.0598	114	46.8 - 125

continued . . .

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloromethane (methyl chloride)	54.9	µg/L	1	50.0	<0.230	110	67.1 - 127
Vinyl Chloride	56.9	µg/L	1	50.0	<0.0902	114	63.7 - 129
Bromomethane (methyl bromide)	57.7	µg/L	1	50.0	<0.740	115	65.7 - 127
Chloroethane	55.6	µg/L	1	50.0	<0.195	111	69.9 - 131
Trichlorofluoromethane	58.1	µg/L	1	50.0	<0.160	116	60.2 - 134
Acetone	51.6	µg/L	1	50.0	<0.854	103	12.1 - 136
Iodomethane (methyl iodide)	53.0	µg/L	1	50.0	<0.112	106	75.7 - 115
Carbon Disulfide	55.6	µg/L	1	50.0	<0.0764	111	67.6 - 131
Acrylonitrile	53.4	µg/L	1	50.0	<0.184	107	79.9 - 131
2-Butanone (MEK)	54.6	µg/L	1	50.0	<0.394	109	28.7 - 137
4-Methyl-2-pentanone (MIBK)	56.0	µg/L	1	50.0	<0.484	112	77.1 - 122
2-Hexanone	59.8	µg/L	1	50.0	<0.0975	120	42.3 - 145
trans 1,4-Dichloro-2-butene	52.8	µg/L	1	50.0	<0.421	106	38.5 - 122
1,1-Dichloroethene	54.0	µg/L	1	50.0	<0.0736	108	78.7 - 119
Methylene chloride	55.2	µg/L	1	50.0	<0.689	110	64.9 - 121
MTBE	55.1	µg/L	1	50.0	<0.0504	110	46.6 - 162
trans-1,2-Dichloroethene	55.4	µg/L	1	50.0	<0.0598	111	75.1 - 119
1,1-Dichloroethane	56.2	µg/L	1	50.0	<0.0299	112	86.3 - 119
cis-1,2-Dichloroethene	55.1	µg/L	1	50.0	<0.101	110	82.6 - 116
2,2-Dichloropropane	43.7	µg/L	1	50.0	<0.0665	87	7.8 - 109
1,2-Dichloroethane (EDC)	57.6	µg/L	1	50.0	<0.0557	115	82.7 - 130
Chloroform	56.1	µg/L	1	50.0	<0.0475	112	83.6 - 119
1,1,1-Trichloroethane	55.9	µg/L	1	50.0	<0.0846	112	69.6 - 126
1,1-Dichloropropene	53.7	µg/L	1	50.0	<0.0423	107	79.2 - 121
Benzene	52.9	µg/L	1	50.0	<0.0495	106	75.8 - 125
Carbon Tetrachloride	53.5	µg/L	1	50.0	<0.121	107	58.7 - 143
1,2-Dichloropropane	53.0	µg/L	1	50.0	<0.0933	106	88.4 - 117
Trichloroethene (TCE)	51.6	µg/L	1	50.0	<0.0495	103	83.6 - 112
Dibromomethane (methylene bromide)	52.9	µg/L	1	50.0	<0.0640	106	90.7 - 117
Bromodichloromethane	54.8	µg/L	1	50.0	<0.0651	110	83.4 - 127
2-Chloroethyl vinyl ether	54.9	µg/L	1	50.0	<0.0905	110	10 - 211
cis-1,3-Dichloropropene	54.0	µg/L	1	50.0	<0.0640	108	78.6 - 113
trans-1,3-Dichloropropene	54.6	µg/L	1	50.0	<0.0504	109	81.8 - 113
Toluene	50.5	µg/L	1	50.0	<0.0736	101	81.6 - 115
1,1,2-Trichloroethane	52.1	µg/L	1	50.0	<0.106	104	83.2 - 122
1,3-Dichloropropane	53.6	µg/L	1	50.0	<0.0625	107	87.3 - 123
Dibromochloromethane	53.6	µg/L	1	50.0	<0.0791	107	81.4 - 130
1,2-Dibromoethane (EDB)	51.6	µg/L	1	50.0	<0.0460	103	91.4 - 118
Tetrachloroethene (PCE)	46.5	µg/L	1	50.0	<0.0696	93	51.8 - 111
Chlorobenzene	51.2	µg/L	1	50.0	<0.0217	102	83.9 - 113
1,1,1,2-Tetrachloroethane	51.2	µg/L	1	50.0	<0.125	102	79.5 - 127
Ethylbenzene	52.0	µg/L	1	50.0	<0.0566	104	75.4 - 121
m,p-Xylene	103	µg/L	1	100	<0.0363	103	74 - 124
Bromoform	52.5	µg/L	1	50.0	<0.0859	105	77.5 - 134
Styrene	52.2	µg/L	1	50.0	<0.0394	104	10 - 180
o-Xylene	52.0	µg/L	1	50.0	<0.0504	104	75.4 - 126
1,1,2,2-Tetrachloroethane	53.1	µg/L	1	50.0	<0.0672	106	86.4 - 122
2-Chlorotoluene	51.2	µg/L	1	50.0	<0.0283	102	69.2 - 128
1,2,3-Trichloropropane	51.7	µg/L	1	50.0	<0.0679	103	75.8 - 121
Isopropylbenzene	51.0	µg/L	1	50.0	<0.0406	102	69.6 - 127

continued ...

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromobenzene	52.0	µg/L	1	50.0	<0.103	104	77.1 - 125
n-Propylbenzene	52.5	µg/L	1	50.0	<0.0423	105	67.1 - 125
1,3,5-Trimethylbenzene	51.1	µg/L	1	50.0	<0.0557	102	66.1 - 126
tert-Butylbenzene	51.6	µg/L	1	50.0	<0.0770	103	63.9 - 126
1,2,4-Trimethylbenzene	50.1	µg/L	1	50.0	<0.0336	100	65 - 123
1,4-Dichlorobenzene (para)	48.8	µg/L	1	50.0	<0.0672	98	66.7 - 119
sec-Butylbenzene	51.6	µg/L	1	50.0	<0.0439	103	57.6 - 127
1,3-Dichlorobenzene (meta)	50.1	µg/L	1	50.0	<0.0672	100	78.8 - 118
p-Isopropyltoluene	51.5	µg/L	1	50.0	<0.0513	103	56.6 - 128
4-Chlorotoluene	51.1	µg/L	1	50.0	<0.0460	102	74 - 127
1,2-Dichlorobenzene (ortho)	50.7	µg/L	1	50.0	<0.0629	101	81.2 - 119
n-Butylbenzene	51.6	µg/L	1	50.0	<0.0400	103	50.4 - 130
1,2-Dibromo-3-chloropropane	51.8	µg/L	1	50.0	<0.538	104	55.7 - 152
1,2,3-Trichlorobenzene	64.6	µg/L	1	50.0	<0.504	129	32.6 - 149
1,2,4-Trichlorobenzene	52.9	µg/L	1	50.0	<0.166	106	35.8 - 144
Naphthalene	62.1	µg/L	1	50.0	<0.417	124	36.7 - 156
Hexachlorobutadiene	49.9	µg/L	1	50.0	<0.176	100	39.6 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	55.3	µg/L	1	50.0	<0.0699	111	82.5 - 118	1	20
Dichlorodifluoromethane	53.4	µg/L	1	50.0	<0.0598	107	46.8 - 125	7	20
Chloromethane (methyl chloride)	54.1	µg/L	1	50.0	<0.230	108	67.1 - 127	2	20
Vinyl Chloride	55.6	µg/L	1	50.0	<0.0902	111	63.7 - 129	2	20
Bromomethane (methyl bromide)	55.4	µg/L	1	50.0	<0.740	111	65.7 - 127	4	20
Chloroethane	55.1	µg/L	1	50.0	<0.195	110	69.9 - 131	1	20
Trichlorofluoromethane	56.4	µg/L	1	50.0	<0.160	113	60.2 - 134	3	20
Acetone	52.0	µg/L	1	50.0	<0.854	104	12.1 - 136	1	20
Iodomethane (methyl iodide)	52.7	µg/L	1	50.0	<0.112	105	75.7 - 115	1	20
Carbon Disulfide	54.1	µg/L	1	50.0	<0.0764	108	67.6 - 131	3	20
Acrylonitrile	53.0	µg/L	1	50.0	<0.184	106	79.9 - 131	1	20
2-Butanone (MEK)	55.8	µg/L	1	50.0	<0.394	112	28.7 - 137	2	20
4-Methyl-2-pentanone (MIBK)	55.1	µg/L	1	50.0	<0.484	110	77.1 - 122	2	20
2-Hexanone	58.9	µg/L	1	50.0	<0.0975	118	42.3 - 145	2	20
trans 1,4-Dichloro-2-butene	51.4	µg/L	1	50.0	<0.421	103	38.5 - 122	3	20
1,1-Dichloroethene	53.4	µg/L	1	50.0	<0.0736	107	78.7 - 119	1	20
Methylene chloride	54.3	µg/L	1	50.0	<0.689	109	64.9 - 121	2	20
MTBE	54.3	µg/L	1	50.0	<0.0504	109	46.6 - 162	2	20
trans-1,2-Dichloroethene	53.7	µg/L	1	50.0	<0.0598	107	75.1 - 119	3	20
1,1-Dichloroethane	55.8	µg/L	1	50.0	<0.0299	112	86.3 - 119	1	20
cis-1,2-Dichloroethene	54.6	µg/L	1	50.0	<0.101	109	82.6 - 116	1	20
2,2-Dichloropropane	42.5	µg/L	1	50.0	<0.0665	85	7.8 - 109	3	20
1,2-Dichloroethane (EDC)	56.2	µg/L	1	50.0	<0.0557	112	82.7 - 130	2	20
Chloroform	55.2	µg/L	1	50.0	<0.0475	110	83.6 - 119	2	20
1,1,1-Trichloroethane	54.8	µg/L	1	50.0	<0.0846	110	69.6 - 126	2	20
1,1-Dichloropropene	53.4	µg/L	1	50.0	<0.0423	107	79.2 - 121	1	20
Benzene	52.3	µg/L	1	50.0	<0.0495	105	75.8 - 125	1	20
Carbon Tetrachloride	53.2	µg/L	1	50.0	<0.121	106	58.7 - 143	1	20
1,2-Dichloropropane	52.4	µg/L	1	50.0	<0.0933	105	88.4 - 117	1	20

continued ...

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Trichloroethene (TCE)	51.2	μg/L	1	50.0	<0.0495	102	83.6 - 112	1	20
Dibromomethane (methylene bromide)	52.8	μg/L	1	50.0	<0.0640	106	90.7 - 117	0	20
Bromodichloromethane	54.2	μg/L	1	50.0	<0.0651	108	83.4 - 127	1	20
2-Chloroethyl vinyl ether	54.3	μg/L	1	50.0	<0.0905	109	10 - 211	1	20
cis-1,3-Dichloropropene	53.6	μg/L	1	50.0	<0.0640	107	78.6 - 113	1	20
trans-1,3-Dichloropropene	54.2	μg/L	1	50.0	<0.0504	108	81.8 - 113	1	20
Toluene	50.1	μg/L	1	50.0	<0.0736	100	81.6 - 115	1	20
1,1,2-Trichloroethane	52.1	μg/L	1	50.0	<0.106	104	83.2 - 122	0	20
1,3-Dichloropropane	53.5	μg/L	1	50.0	<0.0625	107	87.3 - 123	0	20
Dibromochloromethane	53.3	μg/L	1	50.0	<0.0791	107	81.4 - 130	1	20
1,2-Dibromoethane (EDB)	51.3	μg/L	1	50.0	<0.0460	103	91.4 - 118	1	20
Tetrachloroethene (PCE)	46.7	μg/L	1	50.0	<0.0696	93	51.8 - 111	0	20
Chlorobenzene	51.0	μg/L	1	50.0	<0.0217	102	83.9 - 113	0	20
1,1,1,2-Tetrachloroethane	50.7	μg/L	1	50.0	<0.125	101	79.5 - 127	1	20
Ethylbenzene	51.8	μg/L	1	50.0	<0.0566	104	75.4 - 121	0	20
m,p-Xylene	103	μg/L	1	100	<0.0363	103	74 - 124	0	20
Bromoform	52.4	μg/L	1	50.0	<0.0859	105	77.5 - 134	0	20
Styrene	52.2	μg/L	1	50.0	<0.0394	104	10 - 180	0	20
o-Xylene	51.9	μg/L	1	50.0	<0.0504	104	75.4 - 126	0	20
1,1,2,2-Tetrachloroethane	52.9	μg/L	1	50.0	<0.0672	106	86.4 - 122	0	20
2-Chlorotoluene	51.1	μg/L	1	50.0	<0.0283	102	69.2 - 128	0	20
1,2,3-Trichloropropane	51.3	μg/L	1	50.0	<0.0679	103	75.8 - 121	1	20
Isopropylbenzene	50.9	μg/L	1	50.0	<0.0406	102	69.6 - 127	0	20
Bromobenzene	51.5	μg/L	1	50.0	<0.103	103	77.1 - 125	1	20
n-Propylbenzene	51.6	μg/L	1	50.0	<0.0423	103	67.1 - 125	2	20
1,3,5-Trimethylbenzene	50.5	μg/L	1	50.0	<0.0557	101	66.1 - 126	1	20
tert-Butylbenzene	51.6	μg/L	1	50.0	<0.0770	103	63.9 - 126	0	20
1,2,4-Trimethylbenzene	50.0	μg/L	1	50.0	<0.0336	100	65 - 123	0	20
1,4-Dichlorobenzene (para)	48.6	μg/L	1	50.0	<0.0672	97	66.7 - 119	0	20
sec-Butylbenzene	51.0	μg/L	1	50.0	<0.0439	102	57.6 - 127	1	20
1,3-Dichlorobenzene (meta)	49.3	μg/L	1	50.0	<0.0672	99	78.8 - 118	2	20
p-Isopropyltoluene	50.6	μg/L	1	50.0	<0.0513	101	56.6 - 128	2	20
4-Chlorotoluene	51.1	μg/L	1	50.0	<0.0460	102	74 - 127	0	20
1,2-Dichlorobenzene (ortho)	50.6	μg/L	1	50.0	<0.0629	101	81.2 - 119	0	20
n-Butylbenzene	50.1	μg/L	1	50.0	<0.0400	100	50.4 - 130	3	20
1,2-Dibromo-3-chloropropane	51.8	μg/L	1	50.0	<0.538	104	55.7 - 152	0	20
1,2,3-Trichlorobenzene	68.2	μg/L	1	50.0	<0.504	136	32.6 - 149	5	20
1,2,4-Trichlorobenzene	53.6	μg/L	1	50.0	<0.166	107	35.8 - 144	1	20
Naphthalene	65.8	μg/L	1	50.0	<0.417	132	36.7 - 156	6	20
Hexachlorobutadiene	48.2	μg/L	1	50.0	<0.176	96	39.6 - 125	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	54.6	54.7	μg/L	1	50	109	109	86.6 - 114
Toluene-d8	50.4	51.4	μg/L	1	50	101	103	91 - 109
4-Bromofluorobenzene (4-BFB)	48.1	49.3	μg/L	1	50	96	99	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 128704

QC Batch: 38726 Date Analyzed: 2007-07-02 Analyzed By: JG
Prep Batch: 33520 QC Preparation: 2007-07-02 Prepared By: JG

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		406	µg/Kg	1	500	<0.825	81	70.6 - 131
Dichlorodifluoromethane	[8]	261	µg/Kg	1	500	<0.889	52	52.9 - 135
Chloromethane (methyl chloride)	[9]	282	µg/Kg	1	500	<0.929	56	60.7 - 119
Vinyl Chloride	[10]	298	µg/Kg	1	500	<0.463	60	66 - 119
Bromomethane (methyl bromide)	[11]	73.3	µg/Kg	1	500	<1.71	15	15.5 - 148
Chloroethane	[12]	43.0	µg/Kg	1	500	<3.68	9	42.5 - 123
Trichlorofluoromethane	[13]	41.9	µg/Kg	1	500	<0.306	8	50.7 - 144
Acetone		311	µg/Kg	1	500	<1.70	62	10 - 161
Iodomethane (methyl iodide)		412	µg/Kg	1	500	<0.640	82	75.9 - 111
Carbon Disulfide		332	µg/Kg	1	500	<0.346	66	64 - 121
Acrylonitrile	[14]	385	µg/Kg	1	500	<1.51	77	77.7 - 116
2-Butanone (MEK)		378	µg/Kg	1	500	<3.78	76	28.3 - 136
4-Methyl-2-pentanone (MIBK)	[15]	371	µg/Kg	1	500	<7.86	74	78.8 - 115
2-Hexanone		297	µg/Kg	1	500	<5.70	59	34.9 - 129
trans 1,4-Dichloro-2-butene		285	µg/Kg	1	500	<1.33	57	43.6 - 112
1,1-Dichloroethene		384	µg/Kg	1	500	<0.639	77	76.1 - 115
Methylene chloride		368	µg/Kg	1	500	<1.19	74	59.4 - 113
MTBE		380	µg/Kg	1	500	<0.362	76	60 - 129
trans-1,2-Dichloroethene		403	µg/Kg	1	500	<0.419	81	78.2 - 110
1,1-Dichloroethane	[16]	375	µg/Kg	1	500	<0.257	75	79.7 - 111
cis-1,2-Dichloroethene		410	µg/Kg	1	500	<0.627	82	78.6 - 111
2,2-Dichloropropane		273	µg/Kg	1	500	<0.593	55	10 - 120
1,2-Dichloroethane (EDC)	[17]	329	µg/Kg	1	500	<0.524	66	75.7 - 123
Chloroform	[18]	366	µg/Kg	1	500	<0.440	73	78.4 - 116
1,1,1-Trichloroethane		356	µg/Kg	1	500	<0.750	71	68.9 - 119
1,1-Dichloropropene		422	µg/Kg	1	500	<0.622	84	80.3 - 120
Benzene		434	µg/Kg	1	500	<0.644	87	82.1 - 110
Carbon Tetrachloride		391	µg/Kg	1	500	<0.485	78	60.8 - 138
1,2-Dichloropropane		421	µg/Kg	1	500	<0.547	84	84.2 - 111
Trichloroethene (TCE)		457	µg/Kg	1	500	<0.836	91	75.5 - 129
Dibromomethane (methylene bromide)		416	µg/Kg	1	500	<0.435	83	81.8 - 117
Bromodichloromethane		407	µg/Kg	1	500	<0.457	81	70 - 130
2-Chloroethyl vinyl ether	[19]	411	µg/Kg	1	500	<0.547	82	84.2 - 111
cis-1,3-Dichloropropene		420	µg/Kg	1	500	<0.596	84	75.3 - 114
trans-1,3-Dichloropropene		399	µg/Kg	1	500	<0.561	80	75.7 - 117
Toluene		430	µg/Kg	1	500	<1.12	86	82.3 - 108

continued ...

[8] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[9] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[10] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[11] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[12] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[13] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[14] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[15] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[16] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[17] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[18] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[19] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1,2-Trichloroethane	452	µg/Kg	1	500	<3.25	90	83.4 - 113
1,3-Dichloropropane	457	µg/Kg	1	500	<0.505	91	88.2 - 115
Dibromochloromethane	451	µg/Kg	1	500	<0.552	90	78.2 - 127
1,2-Dibromoethane (EDB)	476	µg/Kg	1	500	<0.688	95	88.9 - 115
Tetrachloroethene (PCE)	590	µg/Kg	1	500	<0.826	118	35.1 - 201
Chlorobenzene	492	µg/Kg	1	500	<0.426	98	84.1 - 111
1,1,1,2-Tetrachloroethane	465	µg/Kg	1	500	<0.289	93	77.2 - 129
Ethylbenzene	469	µg/Kg	1	500	<0.376	94	81.2 - 113
m,p-Xylene	935	µg/Kg	1	1000	<0.714	94	79 - 118
Bromoform	439	µg/Kg	1	500	<0.426	88	70.1 - 136
Styrene	516	µg/Kg	1	500	<0.796	103	86.8 - 112
o-Xylene	470	µg/Kg	1	500	<0.679	94	78.7 - 120
1,1,2,2-Tetrachloroethane	407	µg/Kg	1	500	<0.703	81	55.8 - 131
2-Chlorotoluene	494	µg/Kg	1	500	<1.26	99	72.4 - 128
1,2,3-Trichloropropane	437	µg/Kg	1	500	<0.504	87	80.5 - 119
Isopropylbenzene	519	µg/Kg	1	500	<1.30	104	73.5 - 130
Bromobenzene	485	µg/Kg	1	500	<0.480	97	75.5 - 129
n-Propylbenzene	494	µg/Kg	1	500	<0.421	99	70.5 - 123
1,3,5-Trimethylbenzene	521	µg/Kg	1	500	<2.10	104	59.2 - 141
tert-Butylbenzene	539	µg/Kg	1	500	<0.410	108	55.6 - 142
1,2,4-Trimethylbenzene	527	µg/Kg	1	500	<0.535	105	50 - 150
1,4-Dichlorobenzene (para)	518	µg/Kg	1	500	<0.387	104	63.6 - 127
sec-Butylbenzene	538	µg/Kg	1	500	<0.632	108	52.8 - 134
1,3-Dichlorobenzene (meta)	536	µg/Kg	1	500	<0.534	107	75.6 - 125
p-Isopropyltoluene	562	µg/Kg	1	500	<0.679	112	46.1 - 145
4-Chlorotoluene	515	µg/Kg	1	500	<0.675	103	78.4 - 126
1,2-Dichlorobenzene (ortho)	524	µg/Kg	1	500	<0.475	105	76.3 - 127
n-Butylbenzene	559	µg/Kg	1	500	<0.979	112	45.3 - 135
1,2-Dibromo-3-chloropropane	329	µg/Kg	1	500	<0.883	66	60.8 - 136
1,2,3-Trichlorobenzene	294	µg/Kg	1	500	<3.64	59	20.8 - 136
1,2,4-Trichlorobenzene	504	µg/Kg	1	500	<2.28	101	15 - 172
Naphthalene	335	µg/Kg	1	500	<4.41	67	10 - 219
Hexachlorobutadiene [20]	699	µg/Kg	1	500	<3.24	140	55.4 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	473	µg/Kg	1	500	<0.825	95	70.6 - 131	15	20
Dichlorodifluoromethane	320	µg/Kg	1	500	<0.889	64	52.9 - 135	20	20
Chloromethane (methyl chloride)	330	µg/Kg	1	500	<0.929	66	60.7 - 119	16	20
Vinyl Chloride	355	µg/Kg	1	500	<0.463	71	66 - 119	17	20
Bromomethane (methyl bromide)	80.6	µg/Kg	1	500	<1.71	16	15.5 - 148	10	20
Chloroethane [21]	47.8	µg/Kg	1	500	<3.68	10	42.5 - 123	11	20
Trichlorofluoromethane [22]	49.5	µg/Kg	1	500	<0.306	10	50.7 - 144	17	20
Acetone	346	µg/Kg	1	500	<1.70	69	10 - 161	11	20
Iodomethane (methyl iodide)	498	µg/Kg	1	500	<0.640	100	75.9 - 111	19	20
Carbon Disulfide	413	µg/Kg	1	500	<0.346	83	64 - 121	22	20

continued ...

[20] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[21] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[22] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Acrylonitrile	438	µg/Kg	1	500	<1.51	88	77.7 - 116	13	20
2-Butanone (MEK)	413	µg/Kg	1	500	<3.78	83	28.3 - 136	9	20
4-Methyl-2-pentanone (MIBK)	416	µg/Kg	1	500	<7.86	83	78.8 - 115	11	20
2-Hexanone	334	µg/Kg	1	500	<5.70	67	34.9 - 129	12	20
trans 1,4-Dichloro-2-butene	324	µg/Kg	1	500	<1.33	65	43.6 - 112	13	20
1,1-Dichloroethene	472	µg/Kg	1	500	<0.639	94	76.1 - 115	21	20
Methylene chloride	424	µg/Kg	1	500	<1.19	85	59.4 - 113	14	20
MTBE	434	µg/Kg	1	500	<0.362	87	60 - 129	13	20
trans-1,2-Dichloroethene	479	µg/Kg	1	500	<0.419	96	78.2 - 110	17	20
1,1-Dichloroethane	444	µg/Kg	1	500	<0.257	89	79.7 - 111	17	20
cis-1,2-Dichloroethene	484	µg/Kg	1	500	<0.627	97	78.6 - 111	17	20
2,2-Dichloropropane	330	µg/Kg	1	500	<0.593	66	10 - 120	19	20
1,2-Dichloroethane (EDC)	378	µg/Kg	1	500	<0.524	76	75.7 - 123	14	20
Chloroform	427	µg/Kg	1	500	<0.440	85	78.4 - 116	15	20
1,1,1-Trichloroethane	429	µg/Kg	1	500	<0.750	86	68.9 - 119	19	20
1,1-Dichloropropene	498	µg/Kg	1	500	<0.622	100	80.3 - 120	16	20
Benzene	509	µg/Kg	1	500	<0.644	102	82.1 - 110	16	20
Carbon Tetrachloride	473	µg/Kg	1	500	<0.485	95	60.8 - 138	19	20
1,2-Dichloropropane	496	µg/Kg	1	500	<0.547	99	84.2 - 111	16	20
Trichloroethene (TCE)	546	µg/Kg	1	500	<0.836	109	75.5 - 129	18	20
Dibromomethane (methylene bromide)	478	µg/Kg	1	500	<0.435	96	81.8 - 117	14	20
Bromodichloromethane	477	µg/Kg	1	500	<0.457	95	70 - 130	16	20
2-Chloroethyl vinyl ether	484	µg/Kg	1	500	<0.547	97	84.2 - 111	16	20
cis-1,3-Dichloropropene	491	µg/Kg	1	500	<0.596	98	75.3 - 114	16	20
trans-1,3-Dichloropropene	459	µg/Kg	1	500	<0.561	92	75.7 - 117	14	20
Toluene	499	µg/Kg	1	500	<1.12	100	82.3 - 108	15	20
1,1,2-Trichloroethane	518	µg/Kg	1	500	<3.25	104	83.4 - 113	14	20
1,3-Dichloropropane	522	µg/Kg	1	500	<0.505	104	88.2 - 115	13	20
Dibromochloromethane	526	µg/Kg	1	500	<0.552	105	78.2 - 127	15	20
1,2-Dibromoethane (EDB)	549	µg/Kg	1	500	<0.688	110	88.9 - 115	14	20
Tetrachloroethene (PCE)	726	µg/Kg	1	500	<0.826	145	35.1 - 201	21	20
Chlorobenzene [23]	574	µg/Kg	1	500	<0.426	115	84.1 - 111	15	20
1,1,1,2-Tetrachloroethane	546	µg/Kg	1	500	<0.289	109	77.2 - 129	16	20
Ethylbenzene	546	µg/Kg	1	500	<0.376	109	81.2 - 113	15	20
m,p-Xylene	1080	µg/Kg	1	1000	<0.714	108	79 - 118	14	20
Bromoform	513	µg/Kg	1	500	<0.426	103	70.1 - 136	16	20
Styrene [24]	602	µg/Kg	1	500	<0.796	120	86.8 - 112	15	20
o-Xylene	551	µg/Kg	1	500	<0.679	110	78.7 - 120	16	20
1,1,2,2-Tetrachloroethane	464	µg/Kg	1	500	<0.703	93	55.8 - 131	13	20
2-Chlorotoluene	584	µg/Kg	1	500	<1.26	117	72.4 - 128	17	20
1,2,3-Trichloropropane	502	µg/Kg	1	500	<0.504	100	80.5 - 119	14	20
Isopropylbenzene	626	µg/Kg	1	500	<1.30	125	73.5 - 130	19	20
Bromobenzene	567	µg/Kg	1	500	<0.480	113	75.5 - 129	16	20
n-Propylbenzene	589	µg/Kg	1	500	<0.421	118	70.5 - 123	18	20
1,3,5-Trimethylbenzene	619	µg/Kg	1	500	<2.10	124	59.2 - 141	17	20
tert-Butylbenzene	639	µg/Kg	1	500	<0.410	128	55.6 - 142	17	20
1,2,4-Trimethylbenzene	628	µg/Kg	1	500	<0.535	126	50 - 150	18	20
1,4-Dichlorobenzene (para)	605	µg/Kg	1	500	<0.387	121	63.6 - 127	16	20

continued ...

[23] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[24] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
sec-Butylbenzene	645	µg/Kg	1	500	<0.632	129	52.8 - 134	18	20
1,3-Dichlorobenzene (meta)	627	µg/Kg	1	500	<0.534	125	75.6 - 125	16	20
p-Isopropyltoluene	668	µg/Kg	1	500	<0.679	134	46.1 - 145	17	20
4-Chlorotoluene	606	µg/Kg	1	500	<0.675	121	78.4 - 126	16	20
1,2-Dichlorobenzene (ortho)	606	µg/Kg	1	500	<0.475	121	76.3 - 127	14	20
n-Butylbenzene	661	µg/Kg	1	500	<0.979	132	45.3 - 135	17	20
1,2-Dibromo-3-chloropropane	350	µg/Kg	1	500	<0.883	70	60.8 - 136	6	20
1,2,3-Trichlorobenzene	360	µg/Kg	1	500	<3.64	72	20.8 - 136	20	20
1,2,4-Trichlorobenzene	581	µg/Kg	1	500	<2.28	116	15 - 172	14	20
Naphthalene	363	µg/Kg	1	500	<4.41	73	10 - 219	8	20
Hexachlorobutadiene [25]	799	µg/Kg	1	500	<3.24	160	55.4 - 122	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	400	398	µg/Kg	1	500	80	80	79.1 - 110
Toluene-d8	507	500	µg/Kg	1	500	101	100	84.3 - 108
4-Bromofluorobenzene (4-BFB)	512	512	µg/Kg	1	500	102	102	84.5 - 109

Standard (ICV-1)

QC Batch: 38590 Date Analyzed: 2007-06-27 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	250	100	85 - 115	2007-06-27

Standard (CCV-1)

QC Batch: 38590 Date Analyzed: 2007-06-27 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	252	101	85 - 115	2007-06-27

Standard (CCV-1)

QC Batch: 38619 Date Analyzed: 2007-06-27 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60.0	69.8	116	80 - 120	2007-06-27
1,4-Dichlorobenzene (para)		mg/Kg	60.0	58.9	98	80 - 120	2007-06-27
2-Nitrophenol		mg/Kg	60.0	66.2	110	80 - 120	2007-06-27

continued ...

[25] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
2,4-Dichlorophenol		mg/Kg	60.0	57.9	96	80 - 120	2007-06-27
Hexachlorobutadiene		mg/Kg	60.0	61.9	103	80 - 120	2007-06-27
4-Chloro-3-methylphenol		mg/Kg	60.0	54.9	92	80 - 120	2007-06-27
2,4,6-Trichlorophenol		mg/Kg	60.0	61.4	102	80 - 120	2007-06-27
Acenaphthene		mg/Kg	60.0	55.9	93	80 - 120	2007-06-27
Diphenylamine		mg/Kg	60.0	59.8	100	80 - 120	2007-06-27
Pentachlorophenol		mg/Kg	60.0	56.9	95	80 - 120	2007-06-27
Fluoranthene		mg/Kg	60.0	60.0	100	80 - 120	2007-06-27
Di-n-octylphthalate		mg/Kg	60.0	65.4	109	80 - 120	2007-06-27
Benzo(a)pyrene		mg/Kg	60.0	60.8	101	80 - 120	2007-06-27

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		63.4	mg/Kg	1	60.0	106	80 - 120
Phenol-d5		65.6	mg/Kg	1	60.0	109	80 - 120
Nitrobenzene-d5		61.8	mg/Kg	1	60.0	103	80 - 120
2-Fluorobiphenyl		57.9	mg/Kg	1	60.0	96	80 - 120
2,4,6-Tribromophenol		64.1	mg/Kg	1	60.0	107	80 - 120
Terphenyl-d14		60.0	mg/Kg	1	60.0	100	80 - 120

Standard (CCV-1)

QC Batch: 38626 Date Analyzed: 2007-06-27 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/L	50.0	51.8	104	70 - 130	2007-06-27
Dichlorodifluoromethane		µg/L	50.0	50.7	101	70 - 130	2007-06-27
Chloromethane (methyl chloride)		µg/L	50.0	47.7	95	70 - 130	2007-06-27
Vinyl Chloride		µg/L	50.0	50.3	101	80 - 120	2007-06-27
Bromomethane (methyl bromide)		µg/L	50.0	46.5	93	70 - 130	2007-06-27
Chloroethane		µg/L	50.0	46.8	94	70 - 130	2007-06-27
Trichlorofluoromethane		µg/L	50.0	53.3	107	70 - 130	2007-06-27
Acetone		µg/L	50.0	37.0	74	70 - 130	2007-06-27
Iodomethane (methyl iodide)		µg/L	50.0	51.8	104	70 - 130	2007-06-27
Carbon Disulfide		µg/L	50.0	50.9	102	70 - 130	2007-06-27
Acrylonitrile		µg/L	50.0	49.0	98	70 - 130	2007-06-27
2-Butanone (MEK)		µg/L	50.0	43.2	86	70 - 130	2007-06-27
4-Methyl-2-pentanone (MIBK)		µg/L	50.0	50.1	100	70 - 130	2007-06-27
2-Hexanone		µg/L	50.0	49.1	98	70 - 130	2007-06-27
trans 1,4-Dichloro-2-butene		µg/L	50.0	51.4	103	70 - 130	2007-06-27
1,1-Dichloroethene		µg/L	50.0	51.4	103	80 - 120	2007-06-27
Methylene chloride		µg/L	50.0	51.3	103	70 - 130	2007-06-27
MTBE		µg/L	50.0	49.3	99	70 - 130	2007-06-27
trans-1,2-Dichloroethene		µg/L	50.0	50.8	102	70 - 130	2007-06-27
1,1-Dichloroethane		µg/L	50.0	50.5	101	70 - 130	2007-06-27
cis-1,2-Dichloroethene		µg/L	50.0	51.2	102	70 - 130	2007-06-27
2,2-Dichloropropane		µg/L	50.0	52.4	105	70 - 130	2007-06-27

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2-Dichloroethane (EDC)		µg/L	50.0	47.4	95	70 - 130	2007-06-27
Chloroform		µg/L	50.0	49.1	98	80 - 120	2007-06-27
1,1,1-Trichloroethane		µg/L	50.0	49.4	99	70 - 130	2007-06-27
1,1-Dichloropropene		µg/L	50.0	50.7	101	70 - 130	2007-06-27
Benzene		µg/L	50.0	50.3	101	70 - 130	2007-06-27
Carbon Tetrachloride		µg/L	50.0	50.1	100	70 - 130	2007-06-27
1,2-Dichloropropane		µg/L	50.0	50.2	100	80 - 120	2007-06-27
Trichloroethene (TCE)		µg/L	50.0	51.6	103	70 - 130	2007-06-27
Dibromomethane (methylene bromide)		µg/L	50.0	50.0	100	70 - 130	2007-06-27
Bromodichloromethane		µg/L	50.0	50.7	101	70 - 130	2007-06-27
2-Chloroethyl vinyl ether		µg/L	50.0	52.0	104	70 - 130	2007-06-27
cis-1,3-Dichloropropene		µg/L	50.0	53.6	107	70 - 130	2007-06-27
trans-1,3-Dichloropropene		µg/L	50.0	52.6	105	70 - 130	2007-06-27
Toluene		µg/L	50.0	48.8	98	80 - 120	2007-06-27
1,1,2-Trichloroethane		µg/L	50.0	49.4	99	70 - 130	2007-06-27
1,3-Dichloropropane		µg/L	50.0	49.2	98	70 - 130	2007-06-27
Dibromochloromethane		µg/L	50.0	51.2	102	70 - 130	2007-06-27
1,2-Dibromoethane (EDB)		µg/L	50.0	50.6	101	70 - 130	2007-06-27
Tetrachloroethene (PCE)		µg/L	50.0	49.8	100	70 - 130	2007-06-27
Chlorobenzene		µg/L	50.0	50.6	101	80 - 120	2007-06-27
1,1,1,2-Tetrachloroethane		µg/L	50.0	49.8	100	70 - 130	2007-06-27
Ethylbenzene		µg/L	50.0	49.7	99	80 - 120	2007-06-27
m,p-Xylene		µg/L	100	99.2	99	70 - 130	2007-06-27
Bromoform		µg/L	50.0	52.5	105	70 - 130	2007-06-27
Styrene		µg/L	50.0	52.1	104	70 - 130	2007-06-27
o-Xylene		µg/L	50.0	50.0	100	70 - 130	2007-06-27
1,1,2,2-Tetrachloroethane		µg/L	50.0	49.7	99	70 - 130	2007-06-27
2-Chlorotoluene		µg/L	50.0	49.3	99	70 - 130	2007-06-27
1,2,3-Trichloropropane		µg/L	50.0	48.4	97	70 - 130	2007-06-27
Isopropylbenzene		µg/L	50.0	50.2	100	70 - 130	2007-06-27
Bromobenzene		µg/L	50.0	48.8	98	70 - 130	2007-06-27
n-Propylbenzene		µg/L	50.0	50.2	100	70 - 130	2007-06-27
1,3,5-Trimethylbenzene		µg/L	50.0	50.2	100	70 - 130	2007-06-27
tert-Butylbenzene		µg/L	50.0	51.0	102	70 - 130	2007-06-27
1,2,4-Trimethylbenzene		µg/L	50.0	49.5	99	70 - 130	2007-06-27
1,4-Dichlorobenzene (para)		µg/L	50.0	48.8	98	70 - 130	2007-06-27
sec-Butylbenzene		µg/L	50.0	51.2	102	70 - 130	2007-06-27
1,3-Dichlorobenzene (meta)		µg/L	50.0	50.1	100	70 - 130	2007-06-27
p-Isopropyltoluene		µg/L	50.0	51.9	104	70 - 130	2007-06-27
4-Chlorotoluene		µg/L	50.0	49.6	99	70 - 130	2007-06-27
1,2-Dichlorobenzene (ortho)		µg/L	50.0	50.2	100	70 - 130	2007-06-27
n-Butylbenzene		µg/L	50.0	51.1	102	70 - 130	2007-06-27
1,2-Dibromo-3-chloropropane		µg/L	50.0	46.1	92	70 - 130	2007-06-27
1,2,3-Trichlorobenzene		µg/L	50.0	53.7	107	70 - 130	2007-06-27
1,2,4-Trichlorobenzene		µg/L	50.0	52.4	105	70 - 130	2007-06-27
Naphthalene		µg/L	50.0	49.8	100	70 - 130	2007-06-27
Hexachlorobutadiene		µg/L	50.0	54.7	109	70 - 130	2007-06-27

Standard (CCV-1)

QC Batch: 38643 Date Analyzed: 2007-06-28 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60.0	69.0	115	80 - 120	2007-06-28
1,4-Dichlorobenzene (para)		mg/L	60.0	59.5	99	80 - 120	2007-06-28
2-Nitrophenol		mg/L	60.0	65.9	110	80 - 120	2007-06-28
2,4-Dichlorophenol		mg/L	60.0	57.2	95	80 - 120	2007-06-28
Hexachlorobutadiene		mg/L	60.0	63.9	106	80 - 120	2007-06-28
4-Chloro-3-methylphenol		mg/L	60.0	53.9	90	80 - 120	2007-06-28
2,4,6-Trichlorophenol		mg/L	60.0	61.5	102	80 - 120	2007-06-28
Acenaphthene		mg/L	60.0	55.7	93	80 - 120	2007-06-28
Diphenylamine		mg/L	60.0	60.3	100	80 - 120	2007-06-28
Pentachlorophenol		mg/L	60.0	57.4	96	80 - 120	2007-06-28
Fluoranthene		mg/L	60.0	60.1	100	80 - 120	2007-06-28
Di-n-octylphthalate		mg/L	60.0	62.4	104	80 - 120	2007-06-28
Benzo(a)pyrene		mg/L	60.0	61.0	102	80 - 120	2007-06-28

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		63.4	mg/L	1	60.0	106	80 - 120
Phenol-d5		64.2	mg/L	1	60.0	107	80 - 120
Nitrobenzene-d5		61.2	mg/L	1	60.0	102	80 - 120
2-Fluorobiphenyl		57.3	mg/L	1	60.0	96	80 - 120
2,4,6-Tribromophenol		63.4	mg/L	1	60.0	106	80 - 120
Terphenyl-d14		60.2	mg/L	1	60.0	100	80 - 120

Standard (ICV-1)

QC Batch: 38652 Date Analyzed: 2007-06-28 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	252	101	85 - 115	2007-06-28

Standard (CCV-1)

QC Batch: 38652 Date Analyzed: 2007-06-28 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	255	102	85 - 115	2007-06-28

Standard (CCV-1)

QC Batch: 38726 Date Analyzed: 2007-07-02 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/Kg	50.0	48.1	96	70 - 130	2007-07-02
Dichlorodifluoromethane		µg/Kg	50.0	42.1	84	70 - 130	2007-07-02
Chloromethane (methyl chloride)		µg/Kg	50.0	43.3	87	70 - 130	2007-07-02
Vinyl Chloride		µg/Kg	50.0	43.0	86	80 - 120	2007-07-02
Bromomethane (methyl bromide)		µg/Kg	50.0	44.1	88	70 - 130	2007-07-02
Chloroethane		µg/Kg	50.0	43.5	87	70 - 130	2007-07-02
Trichlorofluoromethane		µg/Kg	50.0	43.9	88	70 - 130	2007-07-02
Acetone		µg/Kg	50.0	39.1	78	70 - 130	2007-07-02
Iodomethane (methyl iodide)		µg/Kg	50.0	47.7	95	70 - 130	2007-07-02
Carbon Disulfide		µg/Kg	50.0	46.8	94	70 - 130	2007-07-02
Acrylonitrile		µg/Kg	50.0	51.0	102	70 - 130	2007-07-02
2-Butanone (MEK)		µg/Kg	50.0	47.6	95	70 - 130	2007-07-02
4-Methyl-2-pentanone (MIBK)		µg/Kg	50.0	49.1	98	70 - 130	2007-07-02
2-Hexanone		µg/Kg	50.0	51.1	102	70 - 130	2007-07-02
trans 1,4-Dichloro-2-butene		µg/Kg	50.0	51.1	102	70 - 130	2007-07-02
1,1-Dichloroethene		µg/Kg	50.0	47.0	94	80 - 120	2007-07-02
Methylene chloride		µg/Kg	50.0	40.1	80	70 - 130	2007-07-02
MTBE		µg/Kg	50.0	49.8	100	70 - 130	2007-07-02
trans-1,2-Dichloroethene		µg/Kg	50.0	48.4	97	70 - 130	2007-07-02
1,1-Dichloroethane		µg/Kg	50.0	47.2	94	70 - 130	2007-07-02
cis-1,2-Dichloroethene		µg/Kg	50.0	48.9	98	70 - 130	2007-07-02
2,2-Dichloropropane		µg/Kg	50.0	48.2	96	70 - 130	2007-07-02
1,2-Dichloroethane (EDC)		µg/Kg	50.0	45.5	91	70 - 130	2007-07-02
Chloroform		µg/Kg	50.0	46.3	93	80 - 120	2007-07-02
1,1,1-Trichloroethane		µg/Kg	50.0	46.3	93	70 - 130	2007-07-02
1,1-Dichloropropene		µg/Kg	50.0	49.4	99	70 - 130	2007-07-02
Benzene		µg/Kg	50.0	49.7	99	70 - 130	2007-07-02
Carbon Tetrachloride		µg/Kg	50.0	48.4	97	70 - 130	2007-07-02
1,2-Dichloropropane		µg/Kg	50.0	49.5	99	80 - 120	2007-07-02
Trichloroethene (TCE)		µg/Kg	50.0	49.0	98	70 - 130	2007-07-02
Dibromomethane (methylene bromide)		µg/Kg	50.0	49.8	100	70 - 130	2007-07-02
Bromodichloromethane		µg/Kg	50.0	49.7	99	70 - 130	2007-07-02
2-Chloroethyl vinyl ether		µg/Kg	50.0	48.3	97	70 - 130	2007-07-02
cis-1,3-Dichloropropene		µg/Kg	50.0	52.3	105	70 - 130	2007-07-02
trans-1,3-Dichloropropene		µg/Kg	50.0	52.6	105	70 - 130	2007-07-02
Toluene		µg/Kg	50.0	49.3	99	80 - 120	2007-07-02
1,1,2-Trichloroethane		µg/Kg	50.0	53.1	106	70 - 130	2007-07-02
1,3-Dichloropropane		µg/Kg	50.0	53.6	107	70 - 130	2007-07-02
Dibromochloromethane		µg/Kg	50.0	54.6	109	70 - 130	2007-07-02
1,2-Dibromoethane (EDB)		µg/Kg	50.0	54.0	108	70 - 130	2007-07-02
Tetrachloroethene (PCE)		µg/Kg	50.0	52.4	105	70 - 130	2007-07-02
Chlorobenzene		µg/Kg	50.0	52.0	104	80 - 120	2007-07-02
1,1,1,2-Tetrachloroethane		µg/Kg	50.0	52.4	105	70 - 130	2007-07-02
Ethylbenzene		µg/Kg	50.0	53.6	107	80 - 120	2007-07-02
m,p-Xylene		µg/Kg	100	107	107	70 - 130	2007-07-02
Bromoform		µg/Kg	50.0	57.2	114	70 - 130	2007-07-02
Styrene		µg/Kg	50.0	56.6	113	70 - 130	2007-07-02
o-Xylene		µg/Kg	50.0	54.9	110	70 - 130	2007-07-02
1,1,2,2-Tetrachloroethane		µg/Kg	50.0	55.0	110	70 - 130	2007-07-02
2-Chlorotoluene		µg/Kg	50.0	53.6	107	70 - 130	2007-07-02

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2,3-Trichloropropane		µg/Kg	50.0	55.6	111	70 - 130	2007-07-02
Isopropylbenzene		µg/Kg	50.0	55.7	111	70 - 130	2007-07-02
Bromobenzene		µg/Kg	50.0	54.7	109	70 - 130	2007-07-02
n-Propylbenzene		µg/Kg	50.0	54.4	109	70 - 130	2007-07-02
1,3,5-Trimethylbenzene		µg/Kg	50.0	54.6	109	70 - 130	2007-07-02
tert-Butylbenzene		µg/Kg	50.0	54.1	108	70 - 130	2007-07-02
1,2,4-Trimethylbenzene		µg/Kg	50.0	55.4	111	70 - 130	2007-07-02
1,4-Dichlorobenzene (para)		µg/Kg	50.0	52.8	106	70 - 130	2007-07-02
sec-Butylbenzene		µg/Kg	50.0	53.8	108	70 - 130	2007-07-02
1,3-Dichlorobenzene (meta)		µg/Kg	50.0	53.9	108	70 - 130	2007-07-02
p-Isopropyltoluene		µg/Kg	50.0	55.5	111	70 - 130	2007-07-02
4-Chlorotoluene		µg/Kg	50.0	54.3	109	70 - 130	2007-07-02
1,2-Dichlorobenzene (ortho)		µg/Kg	50.0	54.9	110	70 - 130	2007-07-02
n-Butylbenzene		µg/Kg	50.0	55.5	111	70 - 130	2007-07-02
1,2-Dibromo-3-chloropropane		µg/Kg	50.0	55.0	110	70 - 130	2007-07-02
1,2,3-Trichlorobenzene		µg/Kg	50.0	49.3	99	70 - 130	2007-07-02
1,2,4-Trichlorobenzene		µg/Kg	50.0	55.4	111	70 - 130	2007-07-02
Naphthalene		µg/Kg	50.0	54.4	109	70 - 130	2007-07-02
Hexachlorobutadiene		µg/Kg	50.0	50.4	101	70 - 130	2007-07-02

Brad Davis / day Verbal (505) 715-6810

7062702

P.O. BOX 363, Bldg 126, 3rd Floor, WSMR, NM 88002
Office: (505) 678-0263 / Fax: (505) 678-6096

WTS

#895

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.: 45

PROJECT NAME: POL ASTs

SAMPLER'S SIGNATURE: Brady T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOCs	SVOCs	TPH DRO							REMARKS
6-25-07	1450	0211-CF-001-10.0	Soil	128604	1	X	X	X							
6-25-07	1500	0211-CF-002-10.0	Soil	605	1	X	X	X							
6-25-07	1505	0211-CF-003-10.0	Soil	606	1	X	X	X							
6-25-07	1510	0211-CF-004-10.0	Soil	607	1	X	X	X							
6-25-07	1515	0211-CF-005-14.0	Soil	608	1	X	X	X							
6-25-07	1515	0211-CF-105-14.0	Soil	609	1	X	X	X							
6-25-07	1530	0211-EB-001-0607	~~So~~ Water	610	7	X	X	X							
6-25-07	1530	0211-TB-895-0607	Water	611	2	X									Trip Blank
		Temperature Blank	Water		1										Temp Blank.

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS	Brady T. Davis (PRINTED NAME) Bradley T. Davis	(PRINTED NAME)	Brenda Ward (PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/CHILLED	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 6/27/07 8:49
VIA: FedEX	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS/COMMENTS: N/A	TPH DRO - Rush Turnaround	

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 23, 2007

Work Order: 7080202

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131676	0207-CF-001-6.0	soil	2007-07-31	16:50	2007-08-02
131677	0207-CF-003-6.0	soil	2007-07-31	17:07	2007-08-02
131678	0207-CF-002-6.0	soil	2007-07-31	17:00	2007-08-02
131679	0204-CF-007-10.0	soil	2007-07-31	10:20	2007-08-02
131680	0207-CF-004-8.0	soil	2007-07-31	17:50	2007-08-02
131681	0207-CF-005-8.0	soil	2007-07-31	18:00	2007-08-02
131682	0207-CF-006-9.0	soil	2007-07-31	18:05	2007-08-02
131683	0207-CF-106-9.0	soil	2007-07-31	18:05	2007-08-02

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 54 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-08-02 and assigned to work order 7080202. Samples for work order 7080202 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Semivolatiles	S 8270C
TPH DRO	Mod. 8015B
Volatiles	S 8260B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7080202 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131676 - 0207-CF-001-6.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39879	Date Analyzed:	2007-08-06	Analyzed By:	DS
Prep Batch:	34516	Sample Preparation:	2007-08-03	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250

continued ...

sample 131676 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.800	mg/Kg	1	2.67	30	10 - 98.8
Phenol-d5		1.05	mg/Kg	1	2.67	39	10 - 105
Nitrobenzene-d5		1.00	mg/Kg	1	2.67	37	10 - 114
2-Fluorobiphenyl		1.47	mg/Kg	1	2.67	55	10 - 122
2,4,6-Tribromophenol		1.94	mg/Kg	1	2.67	73	10 - 117
Terphenyl-d14		1.77	mg/Kg	1	2.67	66	10 - 116

Sample: 131676 - 0207-CF-001-6.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39643	Date Analyzed:	2007-08-02	Analyzed By:	TG
Prep Batch:	34303	Sample Preparation:	2007-08-02	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		244	mg/Kg	1	150	163	62.5 - 164

Sample: 131676 - 0207-CF-001-6.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39837	Date Analyzed:	2007-08-07	Analyzed By:	JG
Prep Batch:	34484	Sample Preparation:	2007-08-07	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0
Carbon Disulfide		<10.0	μg/Kg	1	10.0
Acrylonitrile		<10.0	μg/Kg	1	10.0
2-Butanone (MEK)		<50.0	μg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	μg/Kg	1	50.0
2-Hexanone		<50.0	μg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	μg/Kg	1	100
1,1-Dichloroethene		<10.0	μg/Kg	1	10.0
Methylene chloride		<50.0	μg/Kg	1	50.0
MTBE		<10.0	μg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
1,1-Dichloroethane		<10.0	μg/Kg	1	10.0

continued ...

sample 131676 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
cis-1,2-Dichloroethene		<10.0	μg/Kg	1	10.0
2,2-Dichloropropane		<10.0	μg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	μg/Kg	1	10.0
Chloroform		<10.0	μg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	μg/Kg	1	10.0
1,1-Dichloropropene		<10.0	μg/Kg	1	10.0
Benzene		<10.0	μg/Kg	1	10.0
Carbon Tetrachloride		<10.0	μg/Kg	1	10.0
1,2-Dichloropropane		<10.0	μg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	μg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	μg/Kg	1	10.0
Bromodichloromethane		<10.0	μg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	μg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		463	μg/Kg	1	500	93	79.7 - 120
Toluene-d8		503	μg/Kg	1	500	101	86.8 - 107
4-Bromofluorobenzene (4-BFB)		516	μg/Kg	1	500	103	82.5 - 116

Sample: 131677 - 0207-CF-003-6.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39879	Date Analyzed:	2007-08-06	Analyzed By:	DS
Prep Batch:	34516	Sample Preparation:	2007-08-03	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250

continued ...

sample 131677 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250

continued . . .

sample 131677 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.730	mg/Kg	1	2.67	27	10 - 98.8
Phenol-d5		0.970	mg/Kg	1	2.67	36	10 - 105
Nitrobenzene-d5		0.970	mg/Kg	1	2.67	36	10 - 114
2-Fluorobiphenyl		1.39	mg/Kg	1	2.67	52	10 - 122
2,4,6-Tribromophenol		1.96	mg/Kg	1	2.67	73	10 - 117
Terphenyl-d14		1.84	mg/Kg	1	2.67	69	10 - 116

Sample: 131677 - 0207-CF-003-6.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39643	Date Analyzed:	2007-08-02	Analyzed By:	TG
Prep Batch:	34303	Sample Preparation:	2007-08-02	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		244	mg/Kg	1	150	163	62.5 - 164

Sample: 131677 - 0207-CF-003-6.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39837	Date Analyzed:	2007-08-07	Analyzed By:	JG
Prep Batch:	34484	Sample Preparation:	2007-08-07	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0

continued . . .

sample 131677 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0

continued . . .

sample 131677 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		468	μg/Kg	1	500	94	79.7 - 120
Toluene-d8		509	μg/Kg	1	500	102	86.8 - 107
4-Bromofluorobenzene (4-BFB)		523	μg/Kg	1	500	105	82.5 - 116

Sample: 131678 - 0207-CF-002-6.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39879	Date Analyzed:	2007-08-06	Analyzed By:	DS
Prep Batch:	34516	Sample Preparation:	2007-08-03	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250

continued ...

sample 131678 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250

continued ...

sample 131678 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.13	mg/Kg	1	2.67	42	10 - 98.8
Phenol-d5		1.49	mg/Kg	1	2.67	56	10 - 105
Nitrobenzene-d5		1.42	mg/Kg	1	2.67	53	10 - 114
2-Fluorobiphenyl		1.98	mg/Kg	1	2.67	74	10 - 122
2,4,6-Tribromophenol		2.22	mg/Kg	1	2.67	83	10 - 117
Terphenyl-d14		2.15	mg/Kg	1	2.67	80	10 - 116

Sample: 131678 - 0207-CF-002-6.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39643	Date Analyzed:	2007-08-02	Analyzed By:	TG
Prep Batch:	34303	Sample Preparation:	2007-08-02	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		246	mg/Kg	1	150	164	62.5 - 164

Sample: 131678 - 0207-CF-002-6.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39837	Date Analyzed:	2007-08-07	Analyzed By:	JG
Prep Batch:	34484	Sample Preparation:	2007-08-07	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0

continued . . .

sample 131678 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		456	µg/Kg	1	500	91	79.7 - 120
Toluene-d8		507	µg/Kg	1	500	101	86.8 - 107
4-Bromofluorobenzene (4-BFB)		516	µg/Kg	1	500	103	82.5 - 116

Sample: 131679 - 0204-CF-007-10.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39879	Date Analyzed:	2007-08-06	Analyzed By:	DS
Prep Batch:	34516	Sample Preparation:	2007-08-03	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250

continued . . .

sample 131679 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250

continued ...

sample 131679 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.820	mg/Kg	1	2.67	31	10 - 98.8
Phenol-d5		1.09	mg/Kg	1	2.67	41	10 - 105
Nitrobenzene-d5		1.03	mg/Kg	1	2.67	38	10 - 114
2-Fluorobiphenyl		1.46	mg/Kg	1	2.67	55	10 - 122
2,4,6-Tribromophenol		1.87	mg/Kg	1	2.67	70	10 - 117
Terphenyl-d14		1.98	mg/Kg	1	2.67	74	10 - 116

Sample: 131679 - 0204-CF-007-10.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39643	Date Analyzed:	2007-08-02	Analyzed By:	TG
Prep Batch:	34303	Sample Preparation:	2007-08-02	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		238	mg/Kg	1	150	159	62.5 - 164

Sample: 131679 - 0204-CF-007-10.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39837	Date Analyzed:	2007-08-07	Analyzed By:	JG
Prep Batch:	34484	Sample Preparation:	2007-08-07	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0

continued . . .

sample 131679 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		458	μg/Kg	1	500	92	79.7 - 120
Toluene-d8		499	μg/Kg	1	500	100	86.8 - 107
4-Bromofluorobenzene (4-BFB)		516	μg/Kg	1	500	103	82.5 - 116

Sample: 131680 - 0207-CF-004-8.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39879	Date Analyzed:	2007-08-06	Analyzed By:	DS
Prep Batch:	34516	Sample Preparation:	2007-08-03	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250

continued ...

sample 131680 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.960	mg/Kg	1	2.67	36	10 - 98.8
Phenol-d5		1.28	mg/Kg	1	2.67	48	10 - 105
Nitrobenzene-d5		1.29	mg/Kg	1	2.67	48	10 - 114
2-Fluorobiphenyl		1.91	mg/Kg	1	2.67	72	10 - 122

continued . . .

sample continued . . .

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2,4,6-Tribromophenol		2.66	mg/Kg	1	2.67	100	10 - 117
Terphenyl-d14		2.13	mg/Kg	1	2.67	80	10 - 116

Sample: 131680 - 0207-CF-004-8.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39643	Date Analyzed:	2007-08-02	Analyzed By:	TG
Prep Batch:	34303	Sample Preparation:	2007-08-02	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		241	mg/Kg	1	150	161	62.5 - 164

Sample: 131680 - 0207-CF-004-8.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39837	Date Analyzed:	2007-08-07	Analyzed By:	JG
Prep Batch:	34484	Sample Preparation:	2007-08-07	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0

continued . . .

sample 131680 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Chloroform		<10.0	μg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	μg/Kg	1	10.0
1,1-Dichloropropene		<10.0	μg/Kg	1	10.0
Benzene		<10.0	μg/Kg	1	10.0
Carbon Tetrachloride		<10.0	μg/Kg	1	10.0
1,2-Dichloropropane		<10.0	μg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	μg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	μg/Kg	1	10.0
Bromodichloromethane		<10.0	μg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	μg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	μg/Kg	1	10.0
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		464	μg/Kg	1	500	93	79.7 - 120
Toluene-d8		499	μg/Kg	1	500	100	86.8 - 107
4-Bromofluorobenzene (4-BFB)		520	μg/Kg	1	500	104	82.5 - 116

Sample: 131681 - 0207-CF-005-8.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39879	Date Analyzed:	2007-08-06	Analyzed By:	DS
Prep Batch:	34516	Sample Preparation:	2007-08-03	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250

continued ...

sample 131681 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250

continued . . .

sample 131681 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.860	mg/Kg	1	2.67	32	10 - 98.8
Phenol-d5		1.09	mg/Kg	1	2.67	41	10 - 105
Nitrobenzene-d5		1.04	mg/Kg	1	2.67	39	10 - 114
2-Fluorobiphenyl		1.42	mg/Kg	1	2.67	53	10 - 122
2,4,6-Tribromophenol		1.85	mg/Kg	1	2.67	69	10 - 117
Terphenyl-d14		1.90	mg/Kg	1	2.67	71	10 - 116

Sample: 131681 - 0207-CF-005-8.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39643	Date Analyzed:	2007-08-02	Analyzed By:	TG
Prep Batch:	34303	Sample Preparation:	2007-08-02	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		246	mg/Kg	1	150	164	62.5 - 164

Sample: 131681 - 0207-CF-005-8.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39837	Date Analyzed:	2007-08-07	Analyzed By:	JG
Prep Batch:	34484	Sample Preparation:	2007-08-07	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	μg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	μg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	μg/Kg	1	10.0
Vinyl Chloride		<10.0	μg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	μg/Kg	1	50.0
Chloroethane		<10.0	μg/Kg	1	10.0
Trichlorofluoromethane		<10.0	μg/Kg	1	10.0
Acetone		<100	μg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	μg/Kg	1	50.0

continued . . .

sample 131681 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0

continued . . .

sample 131681 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		452	μg/Kg	1	500	90	79.7 - 120
Toluene-d8		498	μg/Kg	1	500	100	86.8 - 107
4-Bromofluorobenzene (4-BFB)		516	μg/Kg	1	500	103	82.5 - 116

Sample: 131682 - 0207-CF-006-9.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39879	Date Analyzed:	2007-08-06	Analyzed By:	DS
Prep Batch:	34516	Sample Preparation:	2007-08-03	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250

continued ...

sample 131682 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250

continued ...

sample 131682 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.560	mg/Kg	1	2.67	21	10 - 98.8
Phenol-d5		0.820	mg/Kg	1	2.67	31	10 - 105
Nitrobenzene-d5		0.730	mg/Kg	1	2.67	27	10 - 114
2-Fluorobiphenyl		1.18	mg/Kg	1	2.67	44	10 - 122
2,4,6-Tribromophenol		1.81	mg/Kg	1	2.67	68	10 - 117
Terphenyl-d14		1.84	mg/Kg	1	2.67	69	10 - 116

Sample: 131682 - 0207-CF-006-9.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39643	Date Analyzed:	2007-08-02	Analyzed By:	TG
Prep Batch:	34303	Sample Preparation:	2007-08-02	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		244	mg/Kg	1	150	163	62.5 - 164

Sample: 131682 - 0207-CF-006-9.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39837	Date Analyzed:	2007-08-07	Analyzed By:	JG
Prep Batch:	34484	Sample Preparation:	2007-08-07	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
Toluene		<10.0	µg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	µg/Kg	1	10.0
1,3-Dichloropropane		<10.0	µg/Kg	1	10.0
Dibromochloromethane		<10.0	µg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	µg/Kg	1	10.0
Chlorobenzene		<10.0	µg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
Ethylbenzene		<10.0	µg/Kg	1	10.0
m,p-Xylene		<10.0	µg/Kg	1	10.0
Bromoform		<10.0	µg/Kg	1	10.0

continued . . .

sample 131682 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Styrene		<10.0	µg/Kg	1	10.0
o-Xylene		<10.0	µg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1	10.0
2-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	µg/Kg	1	10.0
Isopropylbenzene		<10.0	µg/Kg	1	10.0
Bromobenzene		<10.0	µg/Kg	1	10.0
n-Propylbenzene		<10.0	µg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1	10.0
tert-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1	10.0
sec-Butylbenzene		<10.0	µg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1	10.0
p-Isopropyltoluene		<10.0	µg/Kg	1	10.0
4-Chlorotoluene		<10.0	µg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1	10.0
n-Butylbenzene		<10.0	µg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	µg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	µg/Kg	1	50.0
Naphthalene		<50.0	µg/Kg	1	50.0
Hexachlorobutadiene		<50.0	µg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		440	µg/Kg	1	500	88	79.7 - 120
Toluene-d8		490	µg/Kg	1	500	98	86.8 - 107
4-Bromofluorobenzene (4-BFB)		508	µg/Kg	1	500	102	82.5 - 116

Sample: 131683 - 0207-CF-106-9.0

Analysis:	Semivolatiles	Analytical Method:	S 8270C	Prep Method:	S 3550
QC Batch:	39879	Date Analyzed:	2007-08-06	Analyzed By:	DS
Prep Batch:	34516	Sample Preparation:	2007-08-03	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Pyridine		<0.250	mg/Kg	1	0.250
N-Nitrosodimethylamine		<0.250	mg/Kg	1	0.250
2-Picoline		<0.250	mg/Kg	1	0.250
Methyl methanesulfonate		<0.250	mg/Kg	1	0.250
Ethyl methanesulfonate		<0.250	mg/Kg	1	0.250
Phenol		<0.250	mg/Kg	1	0.250
Aniline		<0.250	mg/Kg	1	0.250
bis(2-chloroethyl)ether		<0.250	mg/Kg	1	0.250
2-Chlorophenol		<0.250	mg/Kg	1	0.250
1,3-Dichlorobenzene (meta)		<0.250	mg/Kg	1	0.250

continued . . .

sample 131683 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
1,4-Dichlorobenzene (para)		<0.250	mg/Kg	1	0.250
Benzyl alcohol		<0.250	mg/Kg	1	0.250
1,2-Dichlorobenzene (ortho)		<0.250	mg/Kg	1	0.250
2-Methylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroisopropyl)ether		<0.250	mg/Kg	1	0.250
4-Methylphenol / 3-Methylphenol		<0.250	mg/Kg	1	0.250
Acetophenone		<0.250	mg/Kg	1	0.250
N-Nitrosodi-n-propylamine		<0.250	mg/Kg	1	0.250
Hexachloroethane		<0.250	mg/Kg	1	0.250
Nitrobenzene		<0.250	mg/Kg	1	0.250
N-Nitrosopiperidine		<0.250	mg/Kg	1	0.250
Isophorone		<0.250	mg/Kg	1	0.250
2-Nitrophenol		<0.250	mg/Kg	1	0.250
2,4-Dimethylphenol		<0.250	mg/Kg	1	0.250
bis(2-chloroethoxy)methane		<0.250	mg/Kg	1	0.250
Benzoic acid		<0.250	mg/Kg	1	0.250
2,4-Dichlorophenol		<0.250	mg/Kg	1	0.250
1,2,4-Trichlorobenzene		<0.250	mg/Kg	1	0.250
a,a-Dimethylphenethylamine		<0.250	mg/Kg	1	0.250
Naphthalene		<0.250	mg/Kg	1	0.250
4-Chloroaniline		<0.250	mg/Kg	1	0.250
2,6-Dichlorophenol		<0.250	mg/Kg	1	0.250
Hexachlorobutadiene		<0.250	mg/Kg	1	0.250
N-Nitroso-di-n-butylamine		<0.250	mg/Kg	1	0.250
4-Chloro-3-methylphenol		<0.250	mg/Kg	1	0.250
1-Methylnaphthalene		<0.250	mg/Kg	1	0.250
2-Methylnaphthalene		<0.250	mg/Kg	1	0.250
1,2,4,5-Tetrachlorobenzene		<0.250	mg/Kg	1	0.250
Hexachlorocyclopentadiene		<0.250	mg/Kg	1	0.250
2,4,6-Trichlorophenol		<0.250	mg/Kg	1	0.250
2,4,5-Trichlorophenol		<0.250	mg/Kg	1	0.250
2-Chloronaphthalene		<0.250	mg/Kg	1	0.250
1-Chloronaphthalene		<0.250	mg/Kg	1	0.250
2-Nitroaniline		<0.250	mg/Kg	1	0.250
Dimethylphthalate		<0.250	mg/Kg	1	0.250
Acenaphthylene		<0.250	mg/Kg	1	0.250
2,6-Dinitrotoluene		<0.250	mg/Kg	1	0.250
3-Nitroaniline		<0.250	mg/Kg	1	0.250
Acenaphthene		<0.250	mg/Kg	1	0.250
2,4-Dinitrophenol		<0.250	mg/Kg	1	0.250
Dibenzofuran		<0.250	mg/Kg	1	0.250
Pentachlorobenzene		<0.250	mg/Kg	1	0.250
4-Nitrophenol		<0.250	mg/Kg	1	0.250
1-Naphthylamine		<0.250	mg/Kg	1	0.250
2,4-Dinitrotoluene		<0.250	mg/Kg	1	0.250
2-Naphthylamine		<0.250	mg/Kg	1	0.250
2,3,4,6-Tetrachlorophenol		<0.250	mg/Kg	1	0.250
Fluorene		<0.250	mg/Kg	1	0.250
Diethylphthalate		<0.250	mg/Kg	1	0.250

continued ...

sample 131683 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
4-Chlorophenyl-phenylether		<0.250	mg/Kg	1	0.250
4-Nitroaniline		<0.250	mg/Kg	1	0.250
4,6-Dinitro-2-methylphenol		<0.250	mg/Kg	1	0.250
Diphenylamine		<0.250	mg/Kg	1	0.250
Diphenylhydrazine		<0.250	mg/Kg	1	0.250
4-Bromophenyl-phenylether		<0.250	mg/Kg	1	0.250
Phenacetin		<0.250	mg/Kg	1	0.250
Hexachlorobenzene		<0.250	mg/Kg	1	0.250
4-Aminobiphenyl		<0.250	mg/Kg	1	0.250
Pentachlorophenol		<0.250	mg/Kg	1	0.250
Pentachloronitrobenzene		<0.250	mg/Kg	1	0.250
Pronamide		<0.250	mg/Kg	1	0.250
Phenanthrene		<0.250	mg/Kg	1	0.250
Anthracene		<0.250	mg/Kg	1	0.250
Di-n-butylphthalate		<0.250	mg/Kg	1	0.250
Fluoranthene		<0.250	mg/Kg	1	0.250
Benzidine		<0.250	mg/Kg	1	0.250
Pyrene		<0.250	mg/Kg	1	0.250
p-Dimethylaminoazobenzene		<0.250	mg/Kg	1	0.250
Butylbenzylphthalate		<0.250	mg/Kg	1	0.250
Benzo(a)anthracene		<0.250	mg/Kg	1	0.250
3,3-Dichlorobenzidine		<0.250	mg/Kg	1	0.250
Chrysene		<0.250	mg/Kg	1	0.250
bis(2-ethylhexyl)phthalate		<0.250	mg/Kg	1	0.250
Di-n-octylphthalate		<0.250	mg/Kg	1	0.250
Benzo(b)fluoranthene		<0.250	mg/Kg	1	0.250
7,12-Dimethylbenz(a)anthracene		<0.250	mg/Kg	1	0.250
Benzo(k)fluoranthene		<0.250	mg/Kg	1	0.250
Benzo(a)pyrene		<0.250	mg/Kg	1	0.250
3-Methylcholanthrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,j)acridine		<0.250	mg/Kg	1	0.250
Indeno(1,2,3-cd)pyrene		<0.250	mg/Kg	1	0.250
Dibenzo(a,h)anthracene		<0.250	mg/Kg	1	0.250
Benzo(g,h,i)perylene		<0.250	mg/Kg	1	0.250

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		1.04	mg/Kg	1	2.67	39	10 - 98.8
Phenol-d5		1.37	mg/Kg	1	2.67	51	10 - 105
Nitrobenzene-d5		1.41	mg/Kg	1	2.67	53	10 - 114
2-Fluorobiphenyl		2.01	mg/Kg	1	2.67	75	10 - 122
2,4,6-Tribromophenol		3.03	mg/Kg	1	2.67	113	10 - 117
Terphenyl-d14		2.26	mg/Kg	1	2.67	85	10 - 116

Sample: 131683 - 0207-CF-106-9.0

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	39643	Date Analyzed:	2007-08-02	Analyzed By:	TG
Prep Batch:	34303	Sample Preparation:	2007-08-02	Prepared By:	TG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		234	mg/Kg	1	150	156	62.5 - 164

Sample: 131683 - 0207-CF-106-9.0

Analysis:	Volatiles	Analytical Method:	S 8260B	Prep Method:	S 5030B
QC Batch:	39837	Date Analyzed:	2007-08-07	Analyzed By:	JG
Prep Batch:	34484	Sample Preparation:	2007-08-07	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<10.0	µg/Kg	1	10.0
Dichlorodifluoromethane		<10.0	µg/Kg	1	10.0
Chloromethane (methyl chloride)		<10.0	µg/Kg	1	10.0
Vinyl Chloride		<10.0	µg/Kg	1	10.0
Bromomethane (methyl bromide)		<50.0	µg/Kg	1	50.0
Chloroethane		<10.0	µg/Kg	1	10.0
Trichlorofluoromethane		<10.0	µg/Kg	1	10.0
Acetone		<100	µg/Kg	1	100
Iodomethane (methyl iodide)		<50.0	µg/Kg	1	50.0
Carbon Disulfide		<10.0	µg/Kg	1	10.0
Acrylonitrile		<10.0	µg/Kg	1	10.0
2-Butanone (MEK)		<50.0	µg/Kg	1	50.0
4-Methyl-2-pentanone (MIBK)		<50.0	µg/Kg	1	50.0
2-Hexanone		<50.0	µg/Kg	1	50.0
trans 1,4-Dichloro-2-butene		<100	µg/Kg	1	100
1,1-Dichloroethene		<10.0	µg/Kg	1	10.0
Methylene chloride		<50.0	µg/Kg	1	50.0
MTBE		<10.0	µg/Kg	1	10.0
trans-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
1,1-Dichloroethane		<10.0	µg/Kg	1	10.0
cis-1,2-Dichloroethene		<10.0	µg/Kg	1	10.0
2,2-Dichloropropane		<10.0	µg/Kg	1	10.0
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1	10.0
Chloroform		<10.0	µg/Kg	1	10.0
1,1,1-Trichloroethane		<10.0	µg/Kg	1	10.0
1,1-Dichloropropene		<10.0	µg/Kg	1	10.0
Benzene		<10.0	µg/Kg	1	10.0
Carbon Tetrachloride		<10.0	µg/Kg	1	10.0
1,2-Dichloropropane		<10.0	µg/Kg	1	10.0
Trichloroethene (TCE)		<10.0	µg/Kg	1	10.0
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1	10.0
Bromodichloromethane		<10.0	µg/Kg	1	10.0
2-Chloroethyl vinyl ether		<50.0	µg/Kg	1	50.0
cis-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0
trans-1,3-Dichloropropene		<10.0	µg/Kg	1	10.0

continued . . .

sample 131683 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		<10.0	μg/Kg	1	10.0
1,1,2-Trichloroethane		<10.0	μg/Kg	1	10.0
1,3-Dichloropropane		<10.0	μg/Kg	1	10.0
Dibromochloromethane		<10.0	μg/Kg	1	10.0
1,2-Dibromoethane (EDB)		<10.0	μg/Kg	1	10.0
Tetrachloroethene (PCE)		<10.0	μg/Kg	1	10.0
Chlorobenzene		<10.0	μg/Kg	1	10.0
1,1,1,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
Ethylbenzene		<10.0	μg/Kg	1	10.0
m,p-Xylene		<10.0	μg/Kg	1	10.0
Bromoform		<10.0	μg/Kg	1	10.0
Styrene		<10.0	μg/Kg	1	10.0
o-Xylene		<10.0	μg/Kg	1	10.0
1,1,2,2-Tetrachloroethane		<10.0	μg/Kg	1	10.0
2-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2,3-Trichloropropane		<10.0	μg/Kg	1	10.0
Isopropylbenzene		<10.0	μg/Kg	1	10.0
Bromobenzene		<10.0	μg/Kg	1	10.0
n-Propylbenzene		<10.0	μg/Kg	1	10.0
1,3,5-Trimethylbenzene		<10.0	μg/Kg	1	10.0
tert-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2,4-Trimethylbenzene		<10.0	μg/Kg	1	10.0
1,4-Dichlorobenzene (para)		<10.0	μg/Kg	1	10.0
sec-Butylbenzene		<10.0	μg/Kg	1	10.0
1,3-Dichlorobenzene (meta)		<10.0	μg/Kg	1	10.0
p-Isopropyltoluene		<10.0	μg/Kg	1	10.0
4-Chlorotoluene		<10.0	μg/Kg	1	10.0
1,2-Dichlorobenzene (ortho)		<10.0	μg/Kg	1	10.0
n-Butylbenzene		<10.0	μg/Kg	1	10.0
1,2-Dibromo-3-chloropropane		<50.0	μg/Kg	1	50.0
1,2,3-Trichlorobenzene		<50.0	μg/Kg	1	50.0
1,2,4-Trichlorobenzene		<50.0	μg/Kg	1	50.0
Naphthalene		<50.0	μg/Kg	1	50.0
Hexachlorobutadiene		<50.0	μg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		435	μg/Kg	1	500	87	79.7 - 120
Toluene-d8		492	μg/Kg	1	500	98	86.8 - 107
4-Bromofluorobenzene (4-BFB)		505	μg/Kg	1	500	101	82.5 - 116

Method Blank (1) QC Batch: 39643

QC Batch:	39643	Date Analyzed:	2007-08-02	Analyzed By:	TG
Prep Batch:	34303	QC Preparation:	2007-08-02	Prepared By:	TG

Parameter	Flag	MDL Result	Units	RL
DRO		<10.7	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		207	mg/Kg	1	150	138	62.5 - 164

Method Blank (1) QC Batch: 39837

QC Batch:	39837	Date Analyzed:	2007-08-07	Analyzed By:	JG
Prep Batch:	34484	QC Preparation:	2007-08-07	Prepared By:	JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<2.06	µg/Kg	10
Dichlorodifluoromethane		<4.16	µg/Kg	10
Chloromethane (methyl chloride)		<2.49	µg/Kg	10
Vinyl Chloride		<2.80	µg/Kg	10
Bromomethane (methyl bromide)		<2.99	µg/Kg	50
Chloroethane		<3.26	µg/Kg	10
Trichlorofluoromethane		<2.49	µg/Kg	10
Acetone		<51.4	µg/Kg	100
Iodomethane (methyl iodide)		<2.41	µg/Kg	50
Carbon Disulfide		<2.12	µg/Kg	10
Acrylonitrile		<2.12	µg/Kg	10
2-Butanone (MEK)		<13.9	µg/Kg	50
4-Methyl-2-pentanone (MIBK)		<3.95	µg/Kg	50
2-Hexanone		<2.13	µg/Kg	50
trans 1,4-Dichloro-2-butene		<2.92	µg/Kg	100
1,1-Dichloroethene		<1.89	µg/Kg	10
Methylene chloride		14.2	µg/Kg	50
MTBE		<1.71	µg/Kg	10
trans-1,2-Dichloroethene		<2.67	µg/Kg	10
1,1-Dichloroethane		<1.76	µg/Kg	10
cis-1,2-Dichloroethene		<2.27	µg/Kg	10
2,2-Dichloropropane		<2.90	µg/Kg	10
1,2-Dichloroethane (EDC)		<1.90	µg/Kg	10
Chloroform		<2.21	µg/Kg	10
1,1,1-Trichloroethane		<2.06	µg/Kg	10
1,1-Dichloropropene		<2.44	µg/Kg	10
Benzene		<1.51	µg/Kg	10
Carbon Tetrachloride		<2.26	µg/Kg	10
1,2-Dichloropropane		<1.51	µg/Kg	10
Trichloroethene (TCE)		<1.93	µg/Kg	10
Dibromomethane (methylene bromide)		<1.78	µg/Kg	10
Bromodichloromethane		<1.81	µg/Kg	10
2-Chloroethyl vinyl ether		<1.51	µg/Kg	50
cis-1,3-Dichloropropene		<2.32	µg/Kg	10
trans-1,3-Dichloropropene		<2.00	µg/Kg	10
Toluene		<2.02	µg/Kg	10
1,1,2-Trichloroethane		<1.41	µg/Kg	10

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1,3-Dichloropropane		<2.28	μg/Kg	10
Dibromochloromethane		<1.65	μg/Kg	10
1,2-Dibromoethane (EDB)		<1.53	μg/Kg	10
Tetrachloroethene (PCE)		<1.27	μg/Kg	10
Chlorobenzene		<2.02	μg/Kg	10
1,1,1,2-Tetrachloroethane		<1.62	μg/Kg	10
Ethylbenzene		<1.96	μg/Kg	10
m,p-Xylene		<3.03	μg/Kg	10
Bromoform		<1.94	μg/Kg	10
Styrene		<1.99	μg/Kg	10
o-Xylene		<2.12	μg/Kg	10
1,1,2,2-Tetrachloroethane		<2.19	μg/Kg	10
2-Chlorotoluene		<3.12	μg/Kg	10
1,2,3-Trichloropropane		<2.84	μg/Kg	10
Isopropylbenzene		<2.52	μg/Kg	10
Bromobenzene		<3.08	μg/Kg	10
n-Propylbenzene		<2.90	μg/Kg	10
1,3,5-Trimethylbenzene		<2.70	μg/Kg	10
tert-Butylbenzene		<3.32	μg/Kg	10
1,2,4-Trimethylbenzene		<3.19	μg/Kg	10
1,4-Dichlorobenzene (para)		<2.46	μg/Kg	10
sec-Butylbenzene		<2.75	μg/Kg	10
1,3-Dichlorobenzene (meta)		<2.44	μg/Kg	10
p-Isopropyltoluene		<2.73	μg/Kg	10
4-Chlorotoluene		<2.72	μg/Kg	10
1,2-Dichlorobenzene (ortho)		<2.22	μg/Kg	10
n-Butylbenzene		3.05	μg/Kg	10
1,2-Dibromo-3-chloropropane		<7.25	μg/Kg	50
1,2,3-Trichlorobenzene		<4.91	μg/Kg	50
1,2,4-Trichlorobenzene		<3.95	μg/Kg	50
Naphthalene		<5.99	μg/Kg	50
Hexachlorobutadiene		<2.86	μg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		458	μg/Kg	1	500	92	79.7 - 120
Toluene-d8		495	μg/Kg	1	500	99	86.8 - 107
4-Bromofluorobenzene (4-BFB)		508	μg/Kg	1	500	102	82.5 - 116

Method Blank (1) QC Batch: 39879

QC Batch:	39879	Date Analyzed:	2007-08-06	Analyzed By:	DS
Prep Batch:	34516	QC Preparation:	2007-08-03	Prepared By:	DS

Parameter	Flag	MDL Result	Units	RL
Pyridine		<0.0665	mg/Kg	0.25
N-Nitrosodimethylamine		<0.0894	mg/Kg	0.25
2-Picoline		<0.0472	mg/Kg	0.25

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Methyl methanesulfonate		<0.0754	mg/Kg	0.25
Ethyl methanesulfonate		<0.0943	mg/Kg	0.25
Phenol		<0.0778	mg/Kg	0.25
Aniline		<0.0720	mg/Kg	0.25
bis(2-chloroethyl)ether		<0.0700	mg/Kg	0.25
2-Chlorophenol		<0.0676	mg/Kg	0.25
1,3-Dichlorobenzene (meta)		<0.0631	mg/Kg	0.25
1,4-Dichlorobenzene (para)		<0.0618	mg/Kg	0.25
Benzyl alcohol		<0.107	mg/Kg	0.25
1,2-Dichlorobenzene (ortho)		<0.0658	mg/Kg	0.25
2-Methylphenol		<0.0849	mg/Kg	0.25
bis(2-chloroisopropyl)ether		<0.0812	mg/Kg	0.25
4-Methylphenol / 3-Methylphenol		<0.0918	mg/Kg	0.25
Acetophenone		<0.0709	mg/Kg	0.25
N-Nitrosodi-n-propylamine		<0.106	mg/Kg	0.25
Hexachloroethane		<0.0662	mg/Kg	0.25
Nitrobenzene		<0.0641	mg/Kg	0.25
N-Nitrosopiperidine		<0.0870	mg/Kg	0.25
Isophorone		<0.0794	mg/Kg	0.25
2-Nitrophenol		<0.0653	mg/Kg	0.25
2,4-Dimethylphenol		<0.0745	mg/Kg	0.25
bis(2-chloroethoxy)methane		<0.0774	mg/Kg	0.25
Benzoic acid		<0.0273	mg/Kg	0.25
2,4-Dichlorophenol		<0.0780	mg/Kg	0.25
1,2,4-Trichlorobenzene		<0.0583	mg/Kg	0.25
a,a-Dimethylphenethylamine		<0.0471	mg/Kg	0.25
Naphthalene		<0.0597	mg/Kg	0.25
4-Chloroaniline		<0.0789	mg/Kg	0.25
2,6-Dichlorophenol		<0.0728	mg/Kg	0.25
Hexachlorobutadiene		<0.0528	mg/Kg	0.25
N-Nitroso-di-n-butylamine		<0.0818	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.0610	mg/Kg	0.25
1-Methylnaphthalene		<0.0713	mg/Kg	0.25
2-Methylnaphthalene		<0.0720	mg/Kg	0.25
1,2,4,5-Tetrachlorobenzene		<0.0682	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.0491	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.0648	mg/Kg	0.25
2,4,5-Trichlorophenol		<0.0493	mg/Kg	0.25
2-Chloronaphthalene		<0.0690	mg/Kg	0.25
1-Chloronaphthalene		<0.0621	mg/Kg	0.25
2-Nitroaniline		<0.0500	mg/Kg	0.25
Dimethylphthalate		<0.0505	mg/Kg	0.25
Acenaphthylene		<0.0659	mg/Kg	0.25
2,6-Dinitrotoluene		<0.0488	mg/Kg	0.25
3-Nitroaniline		<0.0492	mg/Kg	0.25
Acenaphthene		<0.0611	mg/Kg	0.25
2,4-Dinitrophenol		<0.0245	mg/Kg	0.25
Dibenzofuran		<0.0639	mg/Kg	0.25
Pentachlorobenzene		<0.0562	mg/Kg	0.25
4-Nitrophenol		<0.0416	mg/Kg	0.25

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
1-Naphthylamine		<0.0487	mg/Kg	0.25
2,4-Dinitrotoluene		<0.0502	mg/Kg	0.25
2-Naphthylamine		<0.0428	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.0446	mg/Kg	0.25
Fluorene		<0.0520	mg/Kg	0.25
Diethylphthalate		<0.0484	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.0602	mg/Kg	0.25
4-Nitroaniline		<0.0278	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.0375	mg/Kg	0.25
Diphenylamine		<0.0628	mg/Kg	0.25
Diphenylhydrazine		<0.0519	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.0672	mg/Kg	0.25
Phenacetin		<0.0649	mg/Kg	0.25
Hexachlorobenzene		<0.0596	mg/Kg	0.25
4-Aminobiphenyl		<0.0631	mg/Kg	0.25
Pentachlorophenol		<0.0426	mg/Kg	0.25
Pentachloronitrobenzene		<0.0607	mg/Kg	0.25
Pronamide		<0.0702	mg/Kg	0.25
Phenanthrene		<0.0614	mg/Kg	0.25
Anthracene		<0.0648	mg/Kg	0.25
Di-n-butylphthalate		<0.0614	mg/Kg	0.25
Fluoranthene		<0.0636	mg/Kg	0.25
Benzidine		<0.0631	mg/Kg	0.25
Pyrene		<0.0583	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.0544	mg/Kg	0.25
Butylbenzylphthalate		<0.0531	mg/Kg	0.25
Benzo(a)anthracene		<0.0603	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.0570	mg/Kg	0.25
Chrysene		<0.0643	mg/Kg	0.25
bis(2-ethylhexyl)phthalate		<0.0622	mg/Kg	0.25
Di-n-octylphthalate		<0.0514	mg/Kg	0.25
Benzo(b)fluoranthene		<0.0585	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.0582	mg/Kg	0.25
Benzo(k)fluoranthene		<0.0536	mg/Kg	0.25
Benzo(a)pyrene		<0.0564	mg/Kg	0.25
3-Methylcholanthrene		<0.0571	mg/Kg	0.25
Dibenzo(a,j)acridine		<0.0618	mg/Kg	0.25
Indeno(1,2,3-cd)pyrene		<0.0576	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.0543	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.0631	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		0.800	mg/Kg	1	2.67	30	10 - 98.8
Phenol-d5		1.07	mg/Kg	1	2.67	40	10 - 105
Nitrobenzene-d5		1.01	mg/Kg	1	2.67	38	10 - 114
2-Fluorobiphenyl		1.43	mg/Kg	1	2.67	54	10 - 122
2,4,6-Tribromophenol		1.54	mg/Kg	1	2.67	58	10 - 117
Terphenyl-d14		2.22	mg/Kg	1	2.67	83	10 - 116

Laboratory Control Spike (LCS-1)

QC Batch: 39643 Date Analyzed: 2007-08-02 Analyzed By: TG
Prep Batch: 34303 QC Preparation: 2007-08-02 Prepared By: TG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	266	mg/Kg	1	250	<10.7	106	64.1 - 124

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	269	mg/Kg	1	250	<10.7	108	64.1 - 124	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	227	227	mg/Kg	1	150	151	151	62.5 - 164

Laboratory Control Spike (LCS-1)

QC Batch: 39837 Date Analyzed: 2007-08-07 Analyzed By: JG
Prep Batch: 34484 QC Preparation: 2007-08-07 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane	499	µg/Kg	1	500	<0.825	100	85 - 114
Dichlorodifluoromethane	533	µg/Kg	1	500	<0.889	107	57.1 - 129
Chloromethane (methyl chloride)	460	µg/Kg	1	500	<0.929	92	66.7 - 111
Vinyl Chloride	480	µg/Kg	1	500	<0.463	96	66.6 - 116
Bromomethane (methyl bromide)	414	µg/Kg	1	500	<1.71	83	43.4 - 143
Chloroethane	415	µg/Kg	1	500	<3.68	83	44.9 - 135
Trichlorofluoromethane	519	µg/Kg	1	500	<0.306	104	57.6 - 131
Acetone	533	µg/Kg	1	500	<1.70	107	16.7 - 142
Iodomethane (methyl iodide)	576	µg/Kg	1	500	<0.640	115	81.1 - 116
Carbon Disulfide	505	µg/Kg	1	500	<0.346	101	79.7 - 112
Acrylonitrile	502	µg/Kg	1	500	<1.51	100	74.9 - 124
2-Butanone (MEK)	537	µg/Kg	1	500	<3.78	107	50.9 - 124
4-Methyl-2-pentanone (MIBK)	593	µg/Kg	1	500	<7.86	119	71.2 - 134
2-Hexanone	596	µg/Kg	1	500	<5.70	119	43.1 - 135
trans 1,4-Dichloro-2-butene	580	µg/Kg	1	500	<1.33	116	46 - 134
1,1-Dichloroethene	516	µg/Kg	1	500	<0.639	103	76 - 118
Methylene chloride	455	µg/Kg	1	500	<1.19	91	64.4 - 110
MTBE	524	µg/Kg	1	500	<0.362	105	84.8 - 120
trans-1,2-Dichloroethene	485	µg/Kg	1	500	<0.419	97	82 - 112
1,1-Dichloroethane	451	µg/Kg	1	500	<0.257	90	81.4 - 113
cis-1,2-Dichloroethene	480	µg/Kg	1	500	<0.627	96	84.9 - 113
2,2-Dichloropropane	465	µg/Kg	1	500	<0.593	93	35.1 - 136
1,2-Dichloroethane (EDC)	432	µg/Kg	1	500	<0.524	86	35.1 - 136
Chloroform	446	µg/Kg	1	500	<0.440	89	81 - 115
1,1,1-Trichloroethane	483	µg/Kg	1	500	<0.750	97	80.2 - 113

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloropropene	498	µg/Kg	1	500	<0.622	100	75.4 - 113
Benzene	483	µg/Kg	1	500	<0.644	97	84.6 - 114
Carbon Tetrachloride	490	µg/Kg	1	500	<0.485	98	86.6 - 113
1,2-Dichloropropane	473	µg/Kg	1	500	<0.547	95	67 - 127
Trichloroethene (TCE)	529	µg/Kg	1	500	<0.836	106	84.9 - 115
Dibromomethane (methylene bromide)	502	µg/Kg	1	500	<0.435	100	92.6 - 114
Bromodichloromethane	480	µg/Kg	1	500	<0.457	96	87.7 - 114
2-Chloroethyl vinyl ether	484	µg/Kg	1	500	<0.547	97	81.1 - 121
cis-1,3-Dichloropropene	522	µg/Kg	1	500	<0.596	104	84.9 - 115
trans-1,3-Dichloropropene	524	µg/Kg	1	500	<0.561	105	85.8 - 118
Toluene	502	µg/Kg	1	500	<1.12	100	80.7 - 109
1,1,2-Trichloroethane	464	µg/Kg	1	500	<3.25	93	89 - 115
1,3-Dichloropropane	469	µg/Kg	1	500	<0.505	94	90.3 - 115
Dibromochloromethane	494	µg/Kg	1	500	<0.552	99	82.6 - 129
1,2-Dibromoethane (EDB)	521	µg/Kg	1	500	<0.688	104	93.3 - 117
Tetrachloroethene (PCE)	502	µg/Kg	1	500	<0.826	100	50.2 - 143
Chlorobenzene	494	µg/Kg	1	500	<0.426	99	86.1 - 111
1,1,1,2-Tetrachloroethane	485	µg/Kg	1	500	<0.289	97	81.4 - 122
Ethylbenzene	484	µg/Kg	1	500	<0.376	97	84.4 - 106
m,p-Xylene	985	µg/Kg	1	1000	<0.714	98	84 - 108
Bromoform	504	µg/Kg	1	500	<0.426	101	77 - 139
Styrene	534	µg/Kg	1	500	<0.796	107	87.6 - 122
o-Xylene	505	µg/Kg	1	500	<0.679	101	86.6 - 111
1,1,2,2-Tetrachloroethane	465	µg/Kg	1	500	<0.703	93	76.4 - 124
2-Chlorotoluene	452	µg/Kg	1	500	<1.26	90	81.7 - 115
1,2,3-Trichloropropane	471	µg/Kg	1	500	<0.504	94	75.7 - 134
Isopropylbenzene	486	µg/Kg	1	500	<1.30	97	81 - 118
Bromobenzene	446	µg/Kg	1	500	<0.480	89	82.7 - 121
n-Propylbenzene	462	µg/Kg	1	500	<0.421	92	73.4 - 115
1,3,5-Trimethylbenzene	483	µg/Kg	1	500	<2.10	97	76 - 113
tert-Butylbenzene	505	µg/Kg	1	500	<0.410	101	70 - 116
1,2,4-Trimethylbenzene	492	µg/Kg	1	500	<0.535	98	78.6 - 115
1,4-Dichlorobenzene (para)	466	µg/Kg	1	500	<0.387	93	78.6 - 109
sec-Butylbenzene	509	µg/Kg	1	500	<0.632	102	64 - 114
1,3-Dichlorobenzene (meta)	499	µg/Kg	1	500	<0.534	100	86.8 - 109
p-Isopropyltoluene	545	µg/Kg	1	500	<0.679	109	64.8 - 115
4-Chlorotoluene	476	µg/Kg	1	500	<0.675	95	83.3 - 117
1,2-Dichlorobenzene (ortho)	508	µg/Kg	1	500	<0.475	102	88.4 - 110
n-Butylbenzene [1]	568	µg/Kg	1	500	<0.979	114	61.5 - 112
1,2-Dibromo-3-chloropropane	430	µg/Kg	1	500	<0.883	86	47.4 - 147
1,2,3-Trichlorobenzene	304	µg/Kg	1	500	<3.64	61	19.4 - 159
1,2,4-Trichlorobenzene	440	µg/Kg	1	500	<2.28	88	37.6 - 135
Naphthalene	372	µg/Kg	1	500	<4.41	74	20.8 - 179
Hexachlorobutadiene	598	µg/Kg	1	500	<3.24	120	54.5 - 128

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane	491	µg/Kg	1	500	<0.825	98	85 - 114	2	20

continued ...

[1] Spike recovery out of control limits. Concentration biased high. •

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dichlorodifluoromethane	502	µg/Kg	1	500	<0.889	100	57.1 - 129	6	20
Chloromethane (methyl chloride)	443	µg/Kg	1	500	<0.929	89	66.7 - 111	4	20
Vinyl Chloride	462	µg/Kg	1	500	<0.463	92	66.6 - 116	4	20
Bromomethane (methyl bromide)	424	µg/Kg	1	500	<1.71	85	43.4 - 143	2	20
Chloroethane	412	µg/Kg	1	500	<3.68	82	44.9 - 135	1	20
Trichlorofluoromethane	502	µg/Kg	1	500	<0.306	100	57.6 - 131	3	20
Acetone [2]	775	µg/Kg	1	500	<1.70	155	16.7 - 142	37	20
Iodomethane (methyl iodide)	568	µg/Kg	1	500	<0.640	114	81.1 - 116	1	20
Carbon Disulfide	488	µg/Kg	1	500	<0.346	98	79.7 - 112	3	20
Acrylonitrile	489	µg/Kg	1	500	<1.51	98	74.9 - 124	3	20
2-Butanone (MEK)	542	µg/Kg	1	500	<3.78	108	50.9 - 124	1	20
4-Methyl-2-pentanone (MIBK)	591	µg/Kg	1	500	<7.86	118	71.2 - 134	0	20
2-Hexanone	604	µg/Kg	1	500	<5.70	121	43.1 - 135	1	20
trans 1,4-Dichloro-2-butene	564	µg/Kg	1	500	<1.33	113	46 - 134	3	20
1,1-Dichloroethene	506	µg/Kg	1	500	<0.639	101	76 - 118	2	20
Methylene chloride	448	µg/Kg	1	500	<1.19	90	64.4 - 110	2	20
MTBE	512	µg/Kg	1	500	<0.362	102	84.8 - 120	2	20
trans-1,2-Dichloroethene	472	µg/Kg	1	500	<0.419	94	82 - 112	3	20
1,1-Dichloroethane	439	µg/Kg	1	500	<0.257	88	81.4 - 113	3	20
cis-1,2-Dichloroethene	472	µg/Kg	1	500	<0.627	94	84.9 - 113	2	20
2,2-Dichloropropane	471	µg/Kg	1	500	<0.593	94	35.1 - 136	1	20
1,2-Dichloroethane (EDC)	418	µg/Kg	1	500	<0.524	84	35.1 - 136	3	20
Chloroform	439	µg/Kg	1	500	<0.440	88	81 - 115	2	20
1,1,1-Trichloroethane	474	µg/Kg	1	500	<0.750	95	80.2 - 113	2	20
1,1-Dichloropropene	480	µg/Kg	1	500	<0.622	96	75.4 - 113	4	20
Benzene	469	µg/Kg	1	500	<0.644	94	84.6 - 114	3	20
Carbon Tetrachloride	484	µg/Kg	1	500	<0.485	97	86.6 - 113	1	20
1,2-Dichloropropane	459	µg/Kg	1	500	<0.547	92	67 - 127	3	20
Trichloroethene (TCE)	520	µg/Kg	1	500	<0.836	104	84.9 - 115	2	20
Dibromomethane (methylene bromide)	492	µg/Kg	1	500	<0.435	98	92.6 - 114	2	20
Bromodichloromethane	467	µg/Kg	1	500	<0.457	93	87.7 - 114	3	20
2-Chloroethyl vinyl ether	470	µg/Kg	1	500	<0.547	94	81.1 - 121	3	20
cis-1,3-Dichloropropene	507	µg/Kg	1	500	<0.596	101	84.9 - 115	3	20
trans-1,3-Dichloropropene	509	µg/Kg	1	500	<0.561	102	85.8 - 118	3	20
Toluene	486	µg/Kg	1	500	<1.12	97	80.7 - 109	3	20
1,1,2-Trichloroethane	450	µg/Kg	1	500	<3.25	90	89 - 115	3	20
1,3-Dichloropropane	454	µg/Kg	1	500	<0.505	91	90.3 - 115	3	20
Dibromochloromethane	485	µg/Kg	1	500	<0.552	97	82.6 - 129	2	20
1,2-Dibromoethane (EDB)	504	µg/Kg	1	500	<0.688	101	93.3 - 117	3	20
Tetrachloroethene (PCE)	498	µg/Kg	1	500	<0.826	100	50.2 - 143	1	20
Chlorobenzene	484	µg/Kg	1	500	<0.426	97	86.1 - 111	2	20
1,1,1,2-Tetrachloroethane	472	µg/Kg	1	500	<0.289	94	81.4 - 122	3	20
Ethylbenzene	473	µg/Kg	1	500	<0.376	95	84.4 - 106	2	20
m,p-Xylene	961	µg/Kg	1	1000	<0.714	96	84 - 108	2	20
Bromoform	500	µg/Kg	1	500	<0.426	100	77 - 139	1	20
Styrene	517	µg/Kg	1	500	<0.796	103	87.6 - 122	3	20
o-Xylene	494	µg/Kg	1	500	<0.679	99	86.6 - 111	2	20
1,1,2,2-Tetrachloroethane	450	µg/Kg	1	500	<0.703	90	76.4 - 124	3	20
2-Chlorotoluene	444	µg/Kg	1	500	<1.26	89	81.7 - 115	2	20

continued ...

[2]Spike recovery and RPD out of control limits due to purging characteristics of ketones. •

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,2,3-Trichloropropane	460	µg/Kg	1	500	<0.504	92	75.7 - 134	2	20
Isopropylbenzene	480	µg/Kg	1	500	<1.30	96	81 - 118	1	20
Bromobenzene	433	µg/Kg	1	500	<0.480	87	82.7 - 121	3	20
n-Propylbenzene	450	µg/Kg	1	500	<0.421	90	73.4 - 115	3	20
1,3,5-Trimethylbenzene	472	µg/Kg	1	500	<2.10	94	76 - 113	2	20
tert-Butylbenzene	491	µg/Kg	1	500	<0.410	98	70 - 116	3	20
1,2,4-Trimethylbenzene	482	µg/Kg	1	500	<0.535	96	78.6 - 115	2	20
1,4-Dichlorobenzene (para)	457	µg/Kg	1	500	<0.387	91	78.6 - 109	2	20
sec-Butylbenzene	501	µg/Kg	1	500	<0.632	100	64 - 114	2	20
1,3-Dichlorobenzene (meta)	489	µg/Kg	1	500	<0.534	98	86.8 - 109	2	20
p-Isopropyltoluene	536	µg/Kg	1	500	<0.679	107	64.8 - 115	2	20
4-Chlorotoluene	464	µg/Kg	1	500	<0.675	93	83.3 - 117	3	20
1,2-Dichlorobenzene (ortho)	494	µg/Kg	1	500	<0.475	99	88.4 - 110	3	20
n-Butylbenzene	555	µg/Kg	1	500	<0.979	111	61.5 - 112	2	20
1,2-Dibromo-3-chloropropane	418	µg/Kg	1	500	<0.883	84	47.4 - 147	3	20
1,2,3-Trichlorobenzene	305	µg/Kg	1	500	<3.64	61	19.4 - 159	0	20
1,2,4-Trichlorobenzene	437	µg/Kg	1	500	<2.28	87	37.6 - 135	1	20
Naphthalene	364	µg/Kg	1	500	<4.41	73	20.8 - 179	2	20
Hexachlorobutadiene	600	µg/Kg	1	500	<3.24	120	54.5 - 128	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	486	482	µg/Kg	1	500	97	96	79.7 - 120
Toluene-d8	497	494	µg/Kg	1	500	99	99	86.8 - 107
4-Bromofluorobenzene (4-BFB)	516	507	µg/Kg	1	500	103	101	82.5 - 116

Laboratory Control Spike (LCS-1)

QC Batch: 39879 Date Analyzed: 2007-08-06 Analyzed By: DS
Prep Batch: 34516 QC Preparation: 2007-08-03 Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	1.76	mg/Kg	1	2.67	0	66	10 - 117
2-Chlorophenol	1.52	mg/Kg	1	2.67	0	57	10 - 117
1,4-Dichlorobenzene (para)	1.72	mg/Kg	1	2.67	0	64	10 - 116
N-Nitrosodi-n-propylamine	2.31	mg/Kg	1	2.67	0	86	10 - 121
1,2,4-Trichlorobenzene	2.64	mg/Kg	1	2.67	0	99	10 - 126
Naphthalene	1.75	mg/Kg	1	2.67	0	66	10 - 165
4-Chloro-3-methylphenol	1.42	mg/Kg	1	2.67	0	53	10 - 148
Acenaphthylene	1.99	mg/Kg	1	2.67	0	74	10 - 165
Acenaphthene	1.89	mg/Kg	1	2.67	0	71	10 - 154
Dibenzofuran	2.13	mg/Kg	1	2.67	0	80	10 - 165
4-Nitrophenol	1.01	mg/Kg	1	2.67	0	38	10 - 142
2,4-Dinitrotoluene	2.52	mg/Kg	1	2.67	0	94	10 - 170
Fluorene	2.07	mg/Kg	1	2.67	0	78	10 - 165
Pentachlorophenol	1.62	mg/Kg	1	2.67	0	61	10 - 145
Anthracene	2.18	mg/Kg	1	2.67	0	82	10 - 165

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenanthrene	2.17	mg/Kg	1	2.67	0	81	10 - 165
Fluoranthene	2.62	mg/Kg	1	2.67	0	98	10 - 165
Pyrene	1.88	mg/Kg	1	2.67	0	70	10 - 227
Benzo(a)anthracene	1.99	mg/Kg	1	2.67	0	74	10 - 165
Chrysene	2.09	mg/Kg	1	2.67	0	78	10 - 165
Benzo(b)fluoranthene	1.91	mg/Kg	1	2.67	0	72	10 - 165
Benzo(k)fluoranthene	2.11	mg/Kg	1	2.67	0	79	10 - 165
Benzo(a)pyrene	2.15	mg/Kg	1	2.67	0	80	10 - 165
Indeno(1,2,3-cd)pyrene	2.38	mg/Kg	1	2.67	0	89	10 - 165
Dibenzo(a,h)anthracene	2.30	mg/Kg	1	2.67	0	86	10 - 165
Benzo(g,h,i)perylene	2.33	mg/Kg	1	2.67	0	87	10 - 165

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	1.65	mg/Kg	1	2.67	0	62	10 - 117	6	20
2-Chlorophenol	1.42	mg/Kg	1	2.67	0	53	10 - 117	7	20
1,4-Dichlorobenzene (para)	1.61	mg/Kg	1	2.67	0	60	10 - 116	7	20
N-Nitrosodi-n-propylamine	2.20	mg/Kg	1	2.67	0	82	10 - 121	5	20
1,2,4-Trichlorobenzene	2.43	mg/Kg	1	2.67	0	91	10 - 126	8	20
Naphthalene	1.64	mg/Kg	1	2.67	0	61	10 - 165	6	20
4-Chloro-3-methylphenol	1.36	mg/Kg	1	2.67	0	51	10 - 148	4	20
Acenaphthylene	1.90	mg/Kg	1	2.67	0	71	10 - 165	5	20
Acenaphthene	1.81	mg/Kg	1	2.67	0	68	10 - 154	4	20
Dibenzofuran	2.04	mg/Kg	1	2.67	0	76	10 - 165	4	20
4-Nitrophenol	1.08	mg/Kg	1	2.67	0	40	10 - 142	7	20
2,4-Dinitrotoluene	2.41	mg/Kg	1	2.67	0	90	10 - 170	4	20
Fluorene	1.99	mg/Kg	1	2.67	0	74	10 - 165	4	20
Pentachlorophenol	1.58	mg/Kg	1	2.67	0	59	10 - 145	2	20
Anthracene	2.08	mg/Kg	1	2.67	0	78	10 - 165	5	20
Phenanthrene	2.01	mg/Kg	1	2.67	0	75	10 - 165	8	20
Fluoranthene	2.49	mg/Kg	1	2.67	0	93	10 - 165	5	20
Pyrene	1.76	mg/Kg	1	2.67	0	66	10 - 227	7	20
Benzo(a)anthracene	1.89	mg/Kg	1	2.67	0	71	10 - 165	5	20
Chrysene	1.96	mg/Kg	1	2.67	0	73	10 - 165	6	20
Benzo(b)fluoranthene	1.83	mg/Kg	1	2.67	0	68	10 - 165	4	20
Benzo(k)fluoranthene	1.99	mg/Kg	1	2.67	0	74	10 - 165	6	20
Benzo(a)pyrene	2.04	mg/Kg	1	2.67	0	76	10 - 165	5	20
Indeno(1,2,3-cd)pyrene	2.27	mg/Kg	1	2.67	0	85	10 - 165	5	20
Dibenzo(a,h)anthracene	2.18	mg/Kg	1	2.67	0	82	10 - 165	5	20
Benzo(g,h,i)perylene	2.21	mg/Kg	1	2.67	0	83	10 - 165	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
2-Fluorophenol	1.36	1.24	mg/Kg	1	2.67	51	46	10 - 103
Phenol-d5	1.79	1.69	mg/Kg	1	2.67	67	63	10 - 120
Nitrobenzene-d5	1.82	1.69	mg/Kg	1	2.67	68	63	10 - 125
2-Fluorobiphenyl	2.71	2.56	mg/Kg	1	2.67	101	96	10 - 123
2,4,6-Tribromophenol	3.19	3.05	mg/Kg	1	2.67	119	114	14.4 - 145

continued ...

control spikes continued ...

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Terphenyl-d14	2.39	2.24	mg/Kg	1	2.67	90	84	16.3 - 168

Matrix Spike (MS-1) Spiked Sample: 131677

QC Batch: 39643 Date Analyzed: 2007-08-02 Analyzed By: TG
Prep Batch: 34303 QC Preparation: 2007-08-02 Prepared By: TG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	281	mg/Kg	1	250	<10.7	112	47.5 - 127

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	263	mg/Kg	1	250	<10.7	105	47.5 - 127	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	236	222	mg/Kg	1	150	157	148	62.5 - 164

Matrix Spike (MS-1) Spiked Sample: 131291

QC Batch: 39837 Date Analyzed: 2007-08-07 Analyzed By: JG
Prep Batch: 34484 QC Preparation: 2007-08-07 Prepared By: JG

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromochloromethane		563	µg/Kg	1	500	<0.825	113	70.6 - 131
Dichlorodifluoromethane		376	µg/Kg	1	500	<0.889	75	52.9 - 135
Chloromethane (methyl chloride)		366	µg/Kg	1	500	<0.929	73	60.7 - 119
Vinyl Chloride		424	µg/Kg	1	500	<0.463	85	66 - 119
Bromomethane (methyl bromide)		131	µg/Kg	1	500	<1.71	26	15.5 - 148
Chloroethane	[3]	80.5	µg/Kg	1	500	<3.68	16	42.5 - 123
Trichlorofluoromethane	[4]	62.8	µg/Kg	1	500	<0.306	12	50.7 - 144
Acetone		413	µg/Kg	1	500	<1.70	83	10 - 161
Iodomethane (methyl iodide)	[5]	601	µg/Kg	1	500	<0.640	120	75.9 - 111
Carbon Disulfide		481	µg/Kg	1	500	<0.346	96	64 - 121
Acrylonitrile		513	µg/Kg	1	500	<1.51	103	77.7 - 116
2-Butanone (MEK)		432	µg/Kg	1	500	<3.78	86	28.3 - 136
4-Methyl-2-pentanone (MIBK)		572	µg/Kg	1	500	<7.86	114	78.8 - 115
2-Hexanone		426	µg/Kg	1	500	<5.70	85	34.9 - 129
trans 1,4-Dichloro-2-butene		476	µg/Kg	1	500	<1.33	95	43.6 - 112
1,1-Dichloroethene		541	µg/Kg	1	500	<0.639	108	76.1 - 115

continued ...

[3] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[4] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[5] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Methylene chloride		487	µg/Kg	1	500	<1.19	97	59.4 - 113
MTBE		525	µg/Kg	1	500	<0.362	105	60 - 129
trans-1,2-Dichloroethene		530	µg/Kg	1	500	<0.419	106	78.2 - 110
1,1-Dichloroethane		467	µg/Kg	1	500	<0.257	93	79.7 - 111
cis-1,2-Dichloroethene		544	µg/Kg	1	500	<0.627	109	78.6 - 111
2,2-Dichloropropane		381	µg/Kg	1	500	<0.593	76	10 - 120
1,2-Dichloroethane (EDC)		415	µg/Kg	1	500	<0.524	83	75.7 - 123
Chloroform		473	µg/Kg	1	500	<0.440	95	78.4 - 116
1,1,1-Trichloroethane		483	µg/Kg	1	500	<0.750	97	68.9 - 119
1,1-Dichloropropene		525	µg/Kg	1	500	<0.622	105	80.3 - 120
Benzene		537	µg/Kg	1	500	<0.644	107	82.1 - 110
Carbon Tetrachloride		491	µg/Kg	1	500	<0.485	98	60.8 - 138
1,2-Dichloropropane		514	µg/Kg	1	500	<0.547	103	84.2 - 111
Trichloroethene (TCE)		631	µg/Kg	1	500	<0.836	126	75.5 - 129
Dibromomethane (methylene bromide)		533	µg/Kg	1	500	<0.435	107	81.8 - 117
Bromodichloromethane		500	µg/Kg	1	500	<0.457	100	70 - 130
2-Chloroethyl vinyl ether		526	µg/Kg	1	500	<0.547	105	84.2 - 111
cis-1,3-Dichloropropene		543	µg/Kg	1	500	<0.596	109	75.3 - 114
trans-1,3-Dichloropropene		528	µg/Kg	1	500	<0.561	106	75.7 - 117
Toluene	[6]	565	µg/Kg	1	500	<1.12	113	82.3 - 108
1,1,2-Trichloroethane		502	µg/Kg	1	500	<3.25	100	83.4 - 113
1,3-Dichloropropane		497	µg/Kg	1	500	<0.505	99	88.2 - 115
Dibromochloromethane		524	µg/Kg	1	500	<0.552	105	78.2 - 127
1,2-Dibromoethane (EDB)		563	µg/Kg	1	500	<0.688	113	88.9 - 115
Tetrachloroethene (PCE)		918	µg/Kg	1	500	<0.826	184	35.1 - 201
Chlorobenzene	[7]	579	µg/Kg	1	500	<0.426	116	84.1 - 111
1,1,1,2-Tetrachloroethane		538	µg/Kg	1	500	<0.289	108	77.2 - 129
Ethylbenzene		549	µg/Kg	1	500	<0.376	110	81.2 - 113
m,p-Xylene		1110	µg/Kg	1	1000	<0.714	111	79 - 118
Bromoform		510	µg/Kg	1	500	<0.426	102	70.1 - 136
Styrene	[8]	619	µg/Kg	1	500	<0.796	124	86.8 - 112
o-Xylene		572	µg/Kg	1	500	<0.679	114	78.7 - 120
1,1,2,2-Tetrachloroethane		454	µg/Kg	1	500	<0.703	91	55.8 - 131
2-Chlorotoluene		512	µg/Kg	1	500	<1.26	102	72.4 - 128
1,2,3-Trichloropropane		452	µg/Kg	1	500	<0.504	90	80.5 - 119
Isopropylbenzene		568	µg/Kg	1	500	<1.30	114	73.5 - 130
Bromobenzene		481	µg/Kg	1	500	<0.480	96	75.5 - 129
n-Propylbenzene		536	µg/Kg	1	500	<0.421	107	70.5 - 123
1,3,5-Trimethylbenzene		569	µg/Kg	1	500	<2.10	114	59.2 - 141
tert-Butylbenzene		614	µg/Kg	1	500	<0.410	123	55.6 - 142
1,2,4-Trimethylbenzene		587	µg/Kg	1	500	<0.535	117	50 - 150
1,4-Dichlorobenzene (para)		569	µg/Kg	1	500	<0.387	114	63.6 - 127
sec-Butylbenzene		625	µg/Kg	1	500	<0.632	125	52.8 - 134
1,3-Dichlorobenzene (meta)		613	µg/Kg	1	500	<0.534	123	75.6 - 125
p-Isopropyltoluene		679	µg/Kg	1	500	<0.679	136	46.1 - 145
4-Chlorotoluene		544	µg/Kg	1	500	<0.675	109	78.4 - 126
1,2-Dichlorobenzene (ortho)		615	µg/Kg	1	500	<0.475	123	76.3 - 127

continued ...

[6] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[7] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[8] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
n-Butylbenzene	[9]	705	µg/Kg	1	500	<0.979	141	45.3 - 135
1,2-Dibromo-3-chloropropane		364	µg/Kg	1	500	<0.883	73	60.8 - 136
1,2,3-Trichlorobenzene		311	µg/Kg	1	500	<3.64	62	20.8 - 136
1,2,4-Trichlorobenzene		590	µg/Kg	1	500	<2.28	118	15 - 172
Naphthalene		300	µg/Kg	1	500	<4.41	60	10 - 219
Hexachlorobutadiene	[10]	818	µg/Kg	1	500	<3.24	164	55.4 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromochloromethane		496	µg/Kg	1	500	<0.825	99	70.6 - 131	13	20
Dichlorodifluoromethane		346	µg/Kg	1	500	<0.889	69	52.9 - 135	8	20
Chloromethane (methyl chloride)		347	µg/Kg	1	500	<0.929	69	60.7 - 119	5	20
Vinyl Chloride		394	µg/Kg	1	500	<0.463	79	66 - 119	7	20
Bromomethane (methyl bromide)		118	µg/Kg	1	500	<1.71	24	15.5 - 148	10	20
Chloroethane	[11]	73.3	µg/Kg	1	500	<3.68	15	42.5 - 123	9	20
Trichlorofluoromethane	[12]	57.8	µg/Kg	1	500	<0.306	12	50.7 - 144	8	20
Acetone		385	µg/Kg	1	500	<1.70	77	10 - 161	7	20
Iodomethane (methyl iodide)		539	µg/Kg	1	500	<0.640	108	75.9 - 111	11	20
Carbon Disulfide		432	µg/Kg	1	500	<0.346	86	64 - 121	11	20
Acrylonitrile		440	µg/Kg	1	500	<1.51	88	77.7 - 116	15	20
2-Butanone (MEK)		428	µg/Kg	1	500	<3.78	86	28.3 - 136	1	20
4-Methyl-2-pentanone (MIBK)		501	µg/Kg	1	500	<7.86	100	78.8 - 115	13	20
2-Hexanone		394	µg/Kg	1	500	<5.70	79	34.9 - 129	8	20
trans 1,4-Dichloro-2-butene		414	µg/Kg	1	500	<1.33	83	43.6 - 112	14	20
1,1-Dichloroethene		479	µg/Kg	1	500	<0.639	96	76.1 - 115	12	20
Methylene chloride		430	µg/Kg	1	500	<1.19	86	59.4 - 113	12	20
MTBE		465	µg/Kg	1	500	<0.362	93	60 - 129	12	20
trans-1,2-Dichloroethene		472	µg/Kg	1	500	<0.419	94	78.2 - 110	12	20
1,1-Dichloroethane		412	µg/Kg	1	500	<0.257	82	79.7 - 111	12	20
cis-1,2-Dichloroethene		471	µg/Kg	1	500	<0.627	94	78.6 - 111	14	20
2,2-Dichloropropane		327	µg/Kg	1	500	<0.593	65	10 - 120	15	20
1,2-Dichloroethane (EDC)	[13]	364	µg/Kg	1	500	<0.524	73	75.7 - 123	13	20
Chloroform		410	µg/Kg	1	500	<0.440	82	78.4 - 116	14	20
1,1,1-Trichloroethane		425	µg/Kg	1	500	<0.750	85	68.9 - 119	13	20
1,1-Dichloropropene		463	µg/Kg	1	500	<0.622	93	80.3 - 120	13	20
Benzene		474	µg/Kg	1	500	<0.644	95	82.1 - 110	12	20
Carbon Tetrachloride		436	µg/Kg	1	500	<0.485	87	60.8 - 138	12	20
1,2-Dichloropropane		450	µg/Kg	1	500	<0.547	90	84.2 - 111	13	20
Trichloroethene (TCE)		547	µg/Kg	1	500	<0.836	109	75.5 - 129	14	20
Dibromomethane (methylene bromide)		465	µg/Kg	1	500	<0.435	93	81.8 - 117	14	20
Bromodichloromethane		436	µg/Kg	1	500	<0.457	87	70 - 130	14	20
2-Chloroethyl vinyl ether		460	µg/Kg	1	500	<0.547	92	84.2 - 111	13	20
cis-1,3-Dichloropropene		473	µg/Kg	1	500	<0.596	95	75.3 - 114	14	20
trans-1,3-Dichloropropene		459	µg/Kg	1	500	<0.561	92	75.7 - 117	14	20
Toluene		494	µg/Kg	1	500	<1.12	99	82.3 - 108	13	20

continued ...

[9] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[10] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[11] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[12] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[13] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

matrix spikes continued . . .

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1,2-Trichloroethane		441	µg/Kg	1	500	<3.25	88	83.4 - 113	13	20
1,3-Dichloropropane	[14]	435	µg/Kg	1	500	<0.505	87	88.2 - 115	13	20
Dibromochloromethane		459	µg/Kg	1	500	<0.552	92	78.2 - 127	13	20
1,2-Dibromoethane (EDB)		492	µg/Kg	1	500	<0.688	98	88.9 - 115	13	20
Tetrachloroethene (PCE)	[15]	716	µg/Kg	1	500	<0.826	143	35.1 - 201	25	20
Chlorobenzene		507	µg/Kg	1	500	<0.426	101	84.1 - 111	13	20
1,1,1,2-Tetrachloroethane		474	µg/Kg	1	500	<0.289	95	77.2 - 129	13	20
Ethylbenzene		479	µg/Kg	1	500	<0.376	96	81.2 - 113	14	20
m,p-Xylene		973	µg/Kg	1	1000	<0.714	97	79 - 118	13	20
Bromoform		455	µg/Kg	1	500	<0.426	91	70.1 - 136	11	20
Styrene		542	µg/Kg	1	500	<0.796	108	86.8 - 112	13	20
o-Xylene		496	µg/Kg	1	500	<0.679	99	78.7 - 120	14	20
1,1,2,2-Tetrachloroethane		408	µg/Kg	1	500	<0.703	82	55.8 - 131	11	20
2-Chlorotoluene		443	µg/Kg	1	500	<1.26	89	72.4 - 128	14	20
1,2,3-Trichloropropane	[16]	390	µg/Kg	1	500	<0.504	78	80.5 - 119	15	20
Isopropylbenzene		492	µg/Kg	1	500	<1.30	98	73.5 - 130	14	20
Bromobenzene		416	µg/Kg	1	500	<0.480	83	75.5 - 129	14	20
n-Propylbenzene		466	µg/Kg	1	500	<0.421	93	70.5 - 123	14	20
1,3,5-Trimethylbenzene		497	µg/Kg	1	500	<2.10	99	59.2 - 141	14	20
tert-Butylbenzene		536	µg/Kg	1	500	<0.410	107	55.6 - 142	14	20
1,2,4-Trimethylbenzene		506	µg/Kg	1	500	<0.535	101	50 - 150	15	20
1,4-Dichlorobenzene (para)		497	µg/Kg	1	500	<0.387	99	63.6 - 127	14	20
sec-Butylbenzene		542	µg/Kg	1	500	<0.632	108	52.8 - 134	14	20
1,3-Dichlorobenzene (meta)		533	µg/Kg	1	500	<0.534	107	75.6 - 125	14	20
p-Isopropyltoluene		587	µg/Kg	1	500	<0.679	117	46.1 - 145	14	20
4-Chlorotoluene		471	µg/Kg	1	500	<0.675	94	78.4 - 126	14	20
1,2-Dichlorobenzene (ortho)		536	µg/Kg	1	500	<0.475	107	76.3 - 127	14	20
n-Butylbenzene		604	µg/Kg	1	500	<0.979	121	45.3 - 135	15	20
1,2-Dibromo-3-chloropropane		317	µg/Kg	1	500	<0.883	63	60.8 - 136	14	20
1,2,3-Trichlorobenzene		350	µg/Kg	1	500	<3.64	70	20.8 - 136	12	20
1,2,4-Trichlorobenzene		554	µg/Kg	1	500	<2.28	111	15 - 172	6	20
Naphthalene		318	µg/Kg	1	500	<4.41	64	10 - 219	6	20
Hexachlorobutadiene	[17]	728	µg/Kg	1	500	<3.24	146	55.4 - 122	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	464	436	µg/Kg	1	500	93	87	79.1 - 110
Toluene-d8	514	484	µg/Kg	1	500	103	97	84.3 - 108
4-Bromofluorobenzene (4-BFB)	527	493	µg/Kg	1	500	105	99	84.5 - 109

Matrix Spike (MS-1) Spiked Sample: 131679

QC Batch:	39879	Date Analyzed:	2007-08-06	Analyzed By:	DS
Prep Batch:	34516	QC Preparation:	2007-08-03	Prepared By:	DS

[14] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[15] RPD out of control limits due to carryover. •
[16] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[17] MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Phenol	0.572	mg/Kg	1	2.67	0	21	10 - 117
2-Chlorophenol	0.475	mg/Kg	1	2.67	0	18	10 - 117
1,4-Dichlorobenzene (para)	0.573	mg/Kg	1	2.67	0	21	10 - 116
N-Nitrosodi-n-propylamine	0.804	mg/Kg	1	2.67	0	30	10 - 121
1,2,4-Trichlorobenzene	0.827	mg/Kg	1	2.67	0	31	10 - 126
Naphthalene	0.566	mg/Kg	1	2.67	0	21	10 - 165
4-Chloro-3-methylphenol	0.539	mg/Kg	1	2.67	0	20	10 - 148
Acenaphthylene	0.674	mg/Kg	1	2.67	0	25	10 - 165
Acenaphthene	0.670	mg/Kg	1	2.67	0	25	10 - 154
Dibenzofuran	0.829	mg/Kg	1	2.67	0	31	10 - 165
4-Nitrophenol	0.872	mg/Kg	1	2.67	0	33	10 - 142
2,4-Dinitrotoluene	1.79	mg/Kg	1	2.67	0	67	10 - 170
Fluorene	0.997	mg/Kg	1	2.67	0	37	10 - 165
Pentachlorophenol	1.24	mg/Kg	1	2.67	0	46	10 - 145
Anthracene	1.50	mg/Kg	1	2.67	0	56	10 - 165
Phenanthrene	1.55	mg/Kg	1	2.67	0	58	10 - 165
Fluoranthene	2.02	mg/Kg	1	2.67	0	76	10 - 165
Pyrene	1.45	mg/Kg	1	2.67	0	54	10 - 227
Benzo(a)anthracene	1.60	mg/Kg	1	2.67	0	60	10 - 165
Chrysene	1.64	mg/Kg	1	2.67	0	61	10 - 165
Benzo(b)fluoranthene	1.65	mg/Kg	1	2.67	0	62	10 - 165
Benzo(k)fluoranthene	1.77	mg/Kg	1	2.67	0	66	10 - 165
Benzo(a)pyrene	1.83	mg/Kg	1	2.67	0	68	10 - 165
Indeno(1,2,3-cd)pyrene	2.01	mg/Kg	1	2.67	0	75	10 - 165
Dibenzo(a,h)anthracene	1.94	mg/Kg	1	2.67	0	73	10 - 165
Benzo(g,h,i)perylene	1.99	mg/Kg	1	2.67	0	74	10 - 165

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Phenol	0.567	mg/Kg	1	2.67	0	21	10 - 117	1	20
2-Chlorophenol	0.483	mg/Kg	1	2.67	0	18	10 - 117	2	20
1,4-Dichlorobenzene (para)	0.573	mg/Kg	1	2.67	0	21	10 - 116	0	20
N-Nitrosodi-n-propylamine	0.840	mg/Kg	1	2.67	0	31	10 - 121	4	20
1,2,4-Trichlorobenzene	0.835	mg/Kg	1	2.67	0	31	10 - 126	1	20
Naphthalene	0.562	mg/Kg	1	2.67	0	21	10 - 165	1	20
4-Chloro-3-methylphenol	0.530	mg/Kg	1	2.67	0	20	10 - 148	2	20
Acenaphthylene	0.677	mg/Kg	1	2.67	0	25	10 - 165	0	20
Acenaphthene	0.673	mg/Kg	1	2.67	0	25	10 - 154	0	20
Dibenzofuran	0.824	mg/Kg	1	2.67	0	31	10 - 165	1	20
4-Nitrophenol	0.856	mg/Kg	1	2.67	0	32	10 - 142	2	20
2,4-Dinitrotoluene	1.77	mg/Kg	1	2.67	0	66	10 - 170	1	20
Fluorene	0.978	mg/Kg	1	2.67	0	37	10 - 165	2	20
Pentachlorophenol	1.22	mg/Kg	1	2.67	0	46	10 - 145	2	20
Anthracene	1.50	mg/Kg	1	2.67	0	56	10 - 165	0	20
Phenanthrene	1.56	mg/Kg	1	2.67	0	58	10 - 165	1	20
Fluoranthene	2.02	mg/Kg	1	2.67	0	76	10 - 165	0	20
Pyrene	1.46	mg/Kg	1	2.67	0	55	10 - 227	1	20
Benzo(a)anthracene	1.60	mg/Kg	1	2.67	0	60	10 - 165	0	20
Chrysene	1.64	mg/Kg	1	2.67	0	61	10 - 165	0	20
Benzo(b)fluoranthene	1.66	mg/Kg	1	2.67	0	62	10 - 165	1	20

continued . . .

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzo(k)fluoranthene	1.79	mg/Kg	1	2.67	0	67	10 - 165	1	20
Benzo(a)pyrene	1.83	mg/Kg	1	2.67	0	68	10 - 165	0	20
Indeno(1,2,3-cd)pyrene	2.05	mg/Kg	1	2.67	0	77	10 - 165	2	20
Dibenzo(a,h)anthracene	1.96	mg/Kg	1	2.67	0	73	10 - 165	1	20
Benzo(g,h,i)perylene	2.00	mg/Kg	1	2.67	0	75	10 - 165	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
2-Fluorophenol	0.450	0.450	mg/Kg	1	2.67	17	17	10 - 103
Phenol-d5	0.620	0.650	mg/Kg	1	2.67	23	24	10 - 120
Nitrobenzene-d5	0.610	0.610	mg/Kg	1	2.67	23	23	10 - 125
2-Fluorobiphenyl	0.880	0.890	mg/Kg	1	2.67	33	33	10 - 123
2,4,6-Tribromophenol	2.14	2.17	mg/Kg	1	2.67	80	81	14.4 - 145
Terphenyl-d14	1.96	1.97	mg/Kg	1	2.67	73	74	16.3 - 168

Standard (ICV-1)

QC Batch: 39643 Date Analyzed: 2007-08-02 Analyzed By: TG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	275	110	85 - 115	2007-08-02

Standard (CCV-1)

QC Batch: 39643 Date Analyzed: 2007-08-02 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	288	115	85 - 115	2007-08-02

Standard (CCV-2)

QC Batch: 39643 Date Analyzed: 2007-08-02 Analyzed By: TG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	264	106	85 - 115	2007-08-02

Standard (CCV-1)

QC Batch: 39837 Date Analyzed: 2007-08-07 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromochloromethane		µg/Kg	50.0	51.4	103	70 - 130	2007-08-07
Dichlorodifluoromethane		µg/Kg	50.0	54.7	109	70 - 130	2007-08-07
Chloromethane (methyl chloride)		µg/Kg	50.0	48.5	97	70 - 130	2007-08-07
Vinyl Chloride		µg/Kg	50.0	50.6	101	80 - 120	2007-08-07
Bromomethane (methyl bromide)		µg/Kg	50.0	36.6	73	70 - 130	2007-08-07
Chloroethane		µg/Kg	50.0	37.7	75	70 - 130	2007-08-07
Trichlorofluoromethane		µg/Kg	50.0	54.0	108	70 - 130	2007-08-07
Acetone		µg/Kg	50.0	60.3	121	70 - 130	2007-08-07
Iodomethane (methyl iodide)		µg/Kg	50.0	59.3	119	70 - 130	2007-08-07
Carbon Disulfide		µg/Kg	50.0	52.3	105	70 - 130	2007-08-07
Acrylonitrile		µg/Kg	50.0	52.3	105	70 - 130	2007-08-07
2-Butanone (MEK)		µg/Kg	50.0	57.6	115	70 - 130	2007-08-07
4-Methyl-2-pentanone (MIBK)		µg/Kg	50.0	62.0	124	70 - 130	2007-08-07
2-Hexanone		µg/Kg	50.0	64.6	129	70 - 130	2007-08-07
trans 1,4-Dichloro-2-butene		µg/Kg	50.0	60.5	121	70 - 130	2007-08-07
1,1-Dichloroethene		µg/Kg	50.0	54.3	109	80 - 120	2007-08-07
Methylene chloride		µg/Kg	50.0	47.2	94	70 - 130	2007-08-07
MTBE		µg/Kg	50.0	54.0	108	70 - 130	2007-08-07
trans-1,2-Dichloroethene		µg/Kg	50.0	50.2	100	70 - 130	2007-08-07
1,1-Dichloroethane		µg/Kg	50.0	46.7	93	70 - 130	2007-08-07
cis-1,2-Dichloroethene		µg/Kg	50.0	50.0	100	70 - 130	2007-08-07
2,2-Dichloropropane		µg/Kg	50.0	49.2	98	70 - 130	2007-08-07
1,2-Dichloroethane (EDC)		µg/Kg	50.0	44.3	89	70 - 130	2007-08-07
Chloroform		µg/Kg	50.0	46.1	92	80 - 120	2007-08-07
1,1,1-Trichloroethane		µg/Kg	50.0	49.8	100	70 - 130	2007-08-07
1,1-Dichloropropene		µg/Kg	50.0	50.4	101	70 - 130	2007-08-07
Benzene		µg/Kg	50.0	48.9	98	70 - 130	2007-08-07
Carbon Tetrachloride		µg/Kg	50.0	49.1	98	70 - 130	2007-08-07
1,2-Dichloropropane		µg/Kg	50.0	47.4	95	80 - 120	2007-08-07
Trichloroethene (TCE)		µg/Kg	50.0	52.7	105	70 - 130	2007-08-07
Dibromomethane (methylene bromide)		µg/Kg	50.0	51.2	102	70 - 130	2007-08-07
Bromodichloromethane		µg/Kg	50.0	47.6	95	70 - 130	2007-08-07
2-Chloroethyl vinyl ether		µg/Kg	50.0	48.5	97	70 - 130	2007-08-07
cis-1,3-Dichloropropene		µg/Kg	50.0	52.4	105	70 - 130	2007-08-07
trans-1,3-Dichloropropene		µg/Kg	50.0	52.6	105	70 - 130	2007-08-07
Toluene		µg/Kg	50.0	50.4	101	80 - 120	2007-08-07
1,1,2-Trichloroethane		µg/Kg	50.0	46.4	93	70 - 130	2007-08-07
1,3-Dichloropropane		µg/Kg	50.0	47.5	95	70 - 130	2007-08-07
Dibromochloromethane		µg/Kg	50.0	48.8	98	70 - 130	2007-08-07
1,2-Dibromoethane (EDB)		µg/Kg	50.0	51.9	104	70 - 130	2007-08-07
Tetrachloroethene (PCE)		µg/Kg	50.0	50.0	100	70 - 130	2007-08-07
Chlorobenzene		µg/Kg	50.0	49.4	99	80 - 120	2007-08-07
1,1,1,2-Tetrachloroethane		µg/Kg	50.0	47.4	95	70 - 130	2007-08-07
Ethylbenzene		µg/Kg	50.0	48.6	97	80 - 120	2007-08-07
m,p-Xylene		µg/Kg	100	98.9	99	70 - 130	2007-08-07
Bromoform		µg/Kg	50.0	49.3	99	70 - 130	2007-08-07
Styrene		µg/Kg	50.0	53.8	108	70 - 130	2007-08-07
o-Xylene		µg/Kg	50.0	51.1	102	70 - 130	2007-08-07
1,1,2,2-Tetrachloroethane		µg/Kg	50.0	47.3	95	70 - 130	2007-08-07
2-Chlorotoluene		µg/Kg	50.0	44.6	89	70 - 130	2007-08-07

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1,2,3-Trichloropropane		µg/Kg	50.0	47.1	94	70 - 130	2007-08-07
Isopropylbenzene		µg/Kg	50.0	47.7	95	70 - 130	2007-08-07
Bromobenzene		µg/Kg	50.0	44.6	89	70 - 130	2007-08-07
n-Propylbenzene		µg/Kg	50.0	45.8	92	70 - 130	2007-08-07
1,3,5-Trimethylbenzene		µg/Kg	50.0	48.0	96	70 - 130	2007-08-07
tert-Butylbenzene		µg/Kg	50.0	50.0	100	70 - 130	2007-08-07
1,2,4-Trimethylbenzene		µg/Kg	50.0	48.5	97	70 - 130	2007-08-07
1,4-Dichlorobenzene (para)		µg/Kg	50.0	46.3	93	70 - 130	2007-08-07
sec-Butylbenzene		µg/Kg	50.0	50.6	101	70 - 130	2007-08-07
1,3-Dichlorobenzene (meta)		µg/Kg	50.0	49.9	100	70 - 130	2007-08-07
p-Isopropyltoluene		µg/Kg	50.0	54.3	109	70 - 130	2007-08-07
4-Chlorotoluene		µg/Kg	50.0	47.0	94	70 - 130	2007-08-07
1,2-Dichlorobenzene (ortho)		µg/Kg	50.0	50.4	101	70 - 130	2007-08-07
n-Butylbenzene		µg/Kg	50.0	57.0	114	70 - 130	2007-08-07
1,2-Dibromo-3-chloropropane		µg/Kg	50.0	42.1	84	70 - 130	2007-08-07
1,2,3-Trichlorobenzene	[18]	µg/Kg	50.0	28.9	58	70 - 130	2007-08-07
1,2,4-Trichlorobenzene		µg/Kg	50.0	44.1	88	70 - 130	2007-08-07
Naphthalene		µg/Kg	50.0	36.1	72	70 - 130	2007-08-07
Hexachlorobutadiene		µg/Kg	50.0	58.8	118	70 - 130	2007-08-07

Standard (CCV-1)

QC Batch: 39879 Date Analyzed: 2007-08-06 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60.0	57.9	96	80 - 120	2007-08-06
1,4-Dichlorobenzene (para)		mg/Kg	60.0	57.4	96	80 - 120	2007-08-06
2-Nitrophenol		mg/Kg	60.0	65.4	109	80 - 120	2007-08-06
2,4-Dichlorophenol		mg/Kg	60.0	67.4	112	80 - 120	2007-08-06
Hexachlorobutadiene		mg/Kg	60.0	61.5	102	80 - 120	2007-08-06
4-Chloro-3-methylphenol		mg/Kg	60.0	49.8	83	80 - 120	2007-08-06
2,4,6-Trichlorophenol		mg/Kg	60.0	69.2	115	80 - 120	2007-08-06
Acenaphthene		mg/Kg	60.0	54.3	90	80 - 120	2007-08-06
Diphenylamine		mg/Kg	60.0	55.9	93	80 - 120	2007-08-06
Pentachlorophenol		mg/Kg	60.0	71.0	118	80 - 120	2007-08-06
Fluoranthene		mg/Kg	60.0	64.7	108	80 - 120	2007-08-06
Di-n-octylphthalate		mg/Kg	60.0	49.9	83	80 - 120	2007-08-06
Benzo(a)pyrene		mg/Kg	60.0	59.9	100	80 - 120	2007-08-06

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		52.0	mg/Kg	1	60.0	87	80 - 120
Phenol-d5		49.8	mg/Kg	1	60.0	83	80 - 120
Nitrobenzene-d5		58.1	mg/Kg	1	60.0	97	80 - 120

continued ...

[18] 1,2,3-Trichlorobenzene outside of control limits on CCV(ICV). CCV(ICV) component average is 101 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorobiphenyl		65.7	mg/Kg	1	60.0	110	80 - 120
2,4,6-Tribromophenol	[19]	98.5	mg/Kg	1	60.0	164	80 - 120
Terphenyl-d14		62.0	mg/Kg	1	60.0	103	80 - 120

[19] 2,4,6-Tribromophenol outside of control limits on CCV(ICV). CCV(ICV) component average is 103% which is within acceptable range. This is acceptable by Method 8000.

10802OL

904

P.O. BOX 363, Bldg 126, 3rd Floor, WSMR, NM 88002
Office: (505) 678-0263 Fax: (505) 678-6096

WTS

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.: 45

PROJECT NAME: POL AST

SAMPLER'S SIGNATURE:

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH DRO	VOCs	SVOCs								REMARKS
7-31-07	1650	0207-CF-001-6.0	Soil	131676	1	X	X	X								
7-31-07	1707	0207-CF-003-7.0	Soil	677	1	X	X	X								
7-31-07	1700	0207-CF-002-6.0	Soil	678	1	X	X	X								
7-31-07	1020	0204-CF-007-10.0	Soil	679	1	X	X	X								
7-31-07	1750	~~0204~~ 0207-CF-004-8.0	Soil	680	1	X	X	X								
7-31-07	1800	0207-CF-005-8.0	Soil	681	1	X	X	X								
7-31-07	1805	0207-CF-006-9.0	Soil	682	1	X	X	X								
7-31-07	1805	0207-CF-106-9.0	Soil	683	1	X	X	X								

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS		(PRINTED NAME) GABRIEL GARCIA	(PRINTED NAME)	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TRACE ANALYSIS
	GOOD CONDITION/CHILLED		(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 8/2/07 8:35
VIA: Fed EX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: Carry Turnaround TPH DRO	BRAD DAVIS. 505 288-6880	

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Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: July 24, 2007

Work Order: 7070808

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
129299	0214-CF-001-8.0	soil	2007-07-05	10:55	2007-07-07
129300	0214-CF-002-5.0	soil	2007-07-05	12:05	2007-07-07
129301	0214-CF-003-6.0	soil	2007-07-05	12:07	2007-07-07
129302	0214-CF-004-6.0	soil	2007-07-05	12:09	2007-07-07
129303	0214-CF-005-11.0	soil	2007-07-05	12:10	2007-07-07
129304	0214-CF-105-11.0	soil	2007-07-05	12:10	2007-07-07
129307	0166-CF-002-20.0	soil	2007-07-06	12:21	2007-07-07
129308	0166-CF-001-5.0	soil	2007-07-06	09:50	2007-07-07

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 12 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-07 and assigned to work order 7070808. Samples for work order 7070808 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Total	S 6010B
As, Total	S 6010B
Ba, Total	S 6010B
Cd, Total	S 6010B
Cr, Total	S 6010B
Hg, Total	S 7471A
Pb, Total	S 6010B
Se, Total	S 6010B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7070808 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 129299 - 0214-CF-001-8.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40091	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40127	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**88.7**	mg/Kg	1	1.00
Total Cadmium		**0.499**	mg/Kg	1	0.200
Total Chromium		**7.25**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 129300 - 0214-CF-002-5.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40091	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40127	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**2.62**	mg/Kg	1	2.00
Total Barium		**67.3**	mg/Kg	1	1.00
Total Cadmium		**0.464**	mg/Kg	1	0.200
Total Chromium		**7.15**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 129301 - 0214-CF-003-6.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40091	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40127	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**2.59**	mg/Kg	1	2.00
Total Barium		**86.1**	mg/Kg	1	1.00
Total Cadmium		**0.457**	mg/Kg	1	0.200
Total Chromium		**8.71**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 129302 - 0214-CF-004-6.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40127	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40186	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**64.1**	mg/Kg	1	1.00
Total Cadmium		**0.417**	mg/Kg	1	0.200
Total Chromium		**6.58**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 129303 - 0214-CF-005-11.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40146	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34717	Sample Preparation:	2007-08-16	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40186	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**34.7**	mg/Kg	1	1.00
Total Cadmium		**0.827**	mg/Kg	1	0.200
Total Chromium		**6.33**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 129304 - 0214-CF-105-11.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40146	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34717	Sample Preparation:	2007-08-16	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40186	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**43.9**	mg/Kg	1	1.00
Total Cadmium		**0.467**	mg/Kg	1	0.200
Total Chromium		**3.86**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 129307 - 0166-CF-002-20.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40146	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34717	Sample Preparation:	2007-08-16	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40186	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**227**	mg/Kg	1	1.00
Total Cadmium		<0.200	mg/Kg	1	0.200
Total Chromium		**5.36**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 129308 - 0166-CF-001-5.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40146	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34717	Sample Preparation:	2007-08-16	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40186	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP

continued . . .

sample 129308 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**3.40**	mg/Kg	1	1.00
Total Cadmium		<0.200	mg/Kg	1	0.200
Total Chromium		<0.500	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Method Blank (1) QC Batch: 40091

QC Batch:	40091	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	QC Preparation:	2007-08-15	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00301	mg/Kg	0.04

Method Blank (1) QC Batch: 40127

QC Batch:	40127	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	QC Preparation:	2007-08-15	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.214	mg/Kg	0.05
Total Arsenic		<0.544	mg/Kg	2
Total Barium		<0.167	mg/Kg	1
Total Cadmium		<0.136	mg/Kg	0.1
Total Chromium		<0.0930	mg/Kg	0.5
Total Lead		<0.736	mg/Kg	1
Total Selenium		<1.31	mg/Kg	1

Method Blank (1) QC Batch: 40146

QC Batch:	40146	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34717	QC Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.214	mg/Kg	0.05
Total Arsenic		<0.544	mg/Kg	2
Total Barium		<0.167	mg/Kg	1
Total Cadmium		<0.136	mg/Kg	0.1
Total Chromium		<0.0930	mg/Kg	0.5
Total Lead		<0.736	mg/Kg	1
Total Selenium		<1.31	mg/Kg	1

Method Blank (1) QC Batch: 40186

QC Batch:	40186	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	QC Preparation:	2007-08-17	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00301	mg/Kg	0.04

Laboratory Control Spike (LCS-1)

QC Batch:	40091	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	QC Preparation:	2007-08-15	Prepared By:	TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.504	mg/Kg	1	0.500	<0.0301	101	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.508	mg/Kg	1	0.500	<0.0301	102	89.4 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch:	40127	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	QC Preparation:	2007-08-15	Prepared By:	KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.4	mg/Kg	1	12.5	<0.214	91	84.3 - 98.7
Total Arsenic	46.7	mg/Kg	1	50.0	<0.544	93	76.3 - 105
Total Barium	94.0	mg/Kg	1	100	<0.167	94	80.1 - 102
Total Cadmium	23.2	mg/Kg	1	25.0	<0.136	93	85 - 115
Total Chromium	9.84	mg/Kg	1	10.0	<0.0930	98	82.2 - 115
Total Lead	47.0	mg/Kg	1	50.0	<0.736	94	84 - 100

continued . . .

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	39.4	mg/Kg	1	50.0	<1.31	79	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.5	mg/Kg	1	12.5	<0.214	92	84.3 - 98.7	1	20
Total Arsenic	46.4	mg/Kg	1	50.0	<0.544	93	76.3 - 105	1	20
Total Barium	92.5	mg/Kg	1	100	<0.167	92	80.1 - 102	2	20
Total Cadmium	23.1	mg/Kg	1	25.0	<0.136	92	85 - 115	0	20
Total Chromium	9.81	mg/Kg	1	10.0	<0.0930	98	82.2 - 115	0	20
Total Lead	46.2	mg/Kg	1	50.0	<0.736	92	84 - 100	2	20
Total Selenium	39.8	mg/Kg	1	50.0	<1.31	80	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40146 Date Analyzed: 2007-08-16 Analyzed By: RR
Prep Batch: 34717 QC Preparation: 2007-08-16 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	10.6	mg/Kg	1	12.5	<0.214	85	84.3 - 98.7
Total Arsenic	43.2	mg/Kg	1	50.0	<0.544	86	76.3 - 105
Total Barium	87.8	mg/Kg	1	100	<0.167	88	80.1 - 102
Total Cadmium	21.5	mg/Kg	1	25.0	<0.136	86	85 - 115
Total Chromium	9.19	mg/Kg	1	10.0	<0.0930	92	82.2 - 115
Total Lead	43.3	mg/Kg	1	50.0	<0.736	87	84 - 100
Total Selenium	39.9	mg/Kg	1	50.0	<1.31	80	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	10.9	mg/Kg	1	12.5	<0.214	87	84.3 - 98.7	3	20
Total Arsenic	43.7	mg/Kg	1	50.0	<0.544	87	76.3 - 105	1	20
Total Barium	89.2	mg/Kg	1	100	<0.167	89	80.1 - 102	2	20
Total Cadmium	22.7	mg/Kg	1	25.0	<0.136	91	85 - 115	5	20
Total Chromium	9.32	mg/Kg	1	10.0	<0.0930	93	82.2 - 115	1	20
Total Lead	43.9	mg/Kg	1	50.0	<0.736	88	84 - 100	1	20
Total Selenium	39.2	mg/Kg	1	50.0	<1.31	78	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40186 Date Analyzed: 2007-08-17 Analyzed By: TP
Prep Batch: 34770 QC Preparation: 2007-08-17 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.533	mg/Kg	1	0.500	<0.0301	107	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.509	mg/Kg	1	0.500	<0.0301	102	89.4 - 115	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128954

QC Batch: 40091 Date Analyzed: 2007-08-15 Analyzed By: TP
Prep Batch: 34688 QC Preparation: 2007-08-15 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.520	mg/Kg	1	0.500	<0.00301	104	80.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.520	mg/Kg	1	0.500	<0.00301	104	80.8 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128955

QC Batch: 40127 Date Analyzed: 2007-08-16 Analyzed By: RR
Prep Batch: 34687 QC Preparation: 2007-08-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.0	mg/Kg	1	12.5	<0.214	88	78.7 - 93.5
Total Arsenic	43.1	mg/Kg	1	50.0	2.1	82	75.8 - 105
Total Barium	157	mg/Kg	1	100	43.7	113	73.2 - 117
Total Cadmium	22.9	mg/Kg	1	25.0	0.754	88	75 - 112
Total Chromium	15.6	mg/Kg	1	10.0	5.57	100	66.9 - 128
Total Lead	49.3	mg/Kg	1	50.0	<0.736	99	67.4 - 102
Total Selenium	39.8	mg/Kg	1	50.0	<1.31	80	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	10.9	mg/Kg	1	12.5	<0.214	87	78.7 - 93.5	1	20
Total Arsenic	42.7	mg/Kg	1	50.0	2.1	81	75.8 - 105	1	20
Total Barium	155	mg/Kg	1	100	43.7	111	73.2 - 117	1	20
Total Cadmium	22.9	mg/Kg	1	25.0	0.754	88	75 - 112	0	20
Total Chromium	15.9	mg/Kg	1	10.0	5.57	103	66.9 - 128	2	20
Total Lead	49.6	mg/Kg	1	50.0	<0.736	99	67.4 - 102	1	20
Total Selenium	39.2	mg/Kg	1	50.0	<1.31	78	75 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 129303

QC Batch: 40146 Date Analyzed: 2007-08-16 Analyzed By: RR
Prep Batch: 34717 QC Preparation: 2007-08-16 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.6	mg/Kg	1	12.5	<0.214	93	78.7 - 93.5
Total Arsenic	40.3	mg/Kg	1	50.0	<0.544	81	75.8 - 105
Total Barium	120	mg/Kg	1	100	34.7	85	73.2 - 117
Total Cadmium	21.2	mg/Kg	1	25.0	0.827	81	75 - 112
Total Chromium	13.1	mg/Kg	1	10.0	6.33	68	66.9 - 128
Total Lead	49.9	mg/Kg	1	50.0	<0.736	100	67.4 - 102
Total Selenium	39.6	mg/Kg	1	50.0	<1.31	79	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.6	mg/Kg	1	12.5	<0.214	93	78.7 - 93.5	0	20
Total Arsenic	40.1	mg/Kg	1	50.0	<0.544	80	75.8 - 105	0	20
Total Barium	127	mg/Kg	1	100	34.7	92	73.2 - 117	6	20
Total Cadmium	20.9	mg/Kg	1	25.0	0.827	80	75 - 112	1	20
Total Chromium	13.1	mg/Kg	1	10.0	6.33	68	66.9 - 128	0	20
Total Lead	49.3	mg/Kg	1	50.0	<0.736	99	67.4 - 102	1	20
Total Selenium	39.9	mg/Kg	1	50.0	<1.31	80	75 - 117	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 129302

QC Batch: 40186 Date Analyzed: 2007-08-17 Analyzed By: TP
Prep Batch: 34770 QC Preparation: 2007-08-17 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.573	mg/Kg	1	0.500	<0.00301	115	80.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.508	mg/Kg	1	0.500	<0.00301	102	80.8 - 115	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 40091 Date Analyzed: 2007-08-15 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00505	101	90 - 110	2007-08-15

Standard (CCV-1)

QC Batch: 40091 Date Analyzed: 2007-08-15 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00534	107	80 - 120	2007-08-15

Standard (ICV-1)

QC Batch: 40127 Date Analyzed: 2007-08-16 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.124	99	90 - 110	2007-08-16
Total Arsenic		mg/Kg	1.00	0.968	97	95 - 105	2007-08-16
Total Barium		mg/Kg	1.00	1.01	101	95 - 105	2007-08-16
Total Cadmium		mg/Kg	1.00	0.992	99	95 - 105	2007-08-16
Total Chromium		mg/Kg	1.00	0.994	99	90 - 110	2007-08-16
Total Lead		mg/Kg	1.00	0.997	100	90 - 110	2007-08-16
Total Selenium		mg/Kg	1.00	0.980	98	90 - 110	2007-08-16

Standard (CCV-1)

QC Batch: 40127 Date Analyzed: 2007-08-16 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.123	98	90 - 110	2007-08-16
Total Arsenic		mg/Kg	1.00	0.981	98	90 - 110	2007-08-16
Total Barium		mg/Kg	1.00	0.979	98	90 - 110	2007-08-16
Total Cadmium		mg/Kg	1.00	1.01	101	90 - 110	2007-08-16
Total Chromium		mg/Kg	1.00	0.994	99	90 - 110	2007-08-16
Total Lead		mg/Kg	1.00	1.01	101	90 - 110	2007-08-16
Total Selenium		mg/Kg	1.00	0.970	97	90 - 110	2007-08-16

Standard (ICV-1)

QC Batch: 40146 Date Analyzed: 2007-08-16 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.124	99	90 - 110	2007-08-16
Total Arsenic		mg/Kg	1.00	0.968	97	95 - 105	2007-08-16
Total Barium		mg/Kg	1.00	1.01	101	95 - 105	2007-08-16
Total Cadmium		mg/Kg	1.00	0.992	99	95 - 105	2007-08-16
Total Chromium		mg/Kg	1.00	0.994	99	90 - 110	2007-08-16
Total Lead		mg/Kg	1.00	0.997	100	90 - 110	2007-08-16
Total Selenium		mg/Kg	1.00	0.980	98	90 - 110	2007-08-16

Standard (CCV-1)

QC Batch: 40146 Date Analyzed: 2007-08-16 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.123	98	90 - 110	2007-08-16
Total Arsenic		mg/Kg	1.00	0.940	94	90 - 110	2007-08-16
Total Barium		mg/Kg	1.00	1.01	101	90 - 110	2007-08-16
Total Cadmium		mg/Kg	1.00	0.946	95	90 - 110	2007-08-16
Total Chromium		mg/Kg	1.00	0.970	97	90 - 110	2007-08-16
Total Lead		mg/Kg	1.00	1.01	101	90 - 110	2007-08-16
Total Selenium		mg/Kg	1.00	0.934	93	90 - 110	2007-08-16

Standard (ICV-1)

QC Batch: 40186 Date Analyzed: 2007-08-17 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00504	101	90 - 110	2007-08-17

Standard (CCV-1)

QC Batch: 40186 Date Analyzed: 2007-08-17 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00517	103	80 - 120	2007-08-17

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WTS

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.: 45

PROJECT NAME: POL ASTs

SAMPLER'S SIGNATURE:

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH DRO	VOCs	SVOCs								REMARKS
7-5-07	1055	0214-CF-001-8.0	Soil	129299	1	X	X	X								
7-5-07	1205	0214-CF-002-5.0	Soil	300	1	X	X	X								
7-5-07	1207	0214-CF-003-6.0	Soil	301	1	X	X	X								
7-5-07	1209	0214-CF-004-6.0	Soil	302	1	X	X	X								
7-5-07	1210	0214-CF-005-11.0	Soil	303	1	X	X	X								
7-5-07	1210	0214-CF-105-11.0	Soil	304	1	X	X	X								
7-5-07	1230	0214-EB-003-0707	Water	305	7	X	X	X								
7-5-07	1230	0214-TB-898-0707	Water	306	2		X									
		Temperature Blank	Water		1											Temperature Blank
7-6-07	1221	0166-CF-002-20.0	Soil	307	1	X	X	X								
7-6-07	0950	0166-CF-001-5.0	Soil	308	1	X	X	X								

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	SAMPLES RECEIVED	17	Bradley T. Davis		
	TOTAL NO. OF CONTAINERS	18	(PRINTED NAME) Bradley T. Davis	(PRINTED NAME)	(PRINTED NAME) Tyler Shackelford
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	✓	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
	GOOD CONDITION/CHILLED	✓	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 10:10 7/7/07
VIA: Fed EX	CONFORMS TO RECORD	✓	SPECIAL INSTRUCTIONS / COMMENTS:	Rush on TPH DRO - 1 day verbal Brad Davis - (305) 993-6890	

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 23, 2007

Work Order: 7072402

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
130751	0204-CF-006-13.0	soil	2007-07-23	13:05	2007-07-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-24 and assigned to work order 7072402. Samples for work order 7072402 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Total	S 6010B
As, Total	S 6010B
Ba, Total	S 6010B
Cd, Total	S 6010B
Cr, Total	S 6010B
Hg, Total	S 7471A
Pb, Total	S 6010B
Se, Total	S 6010B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7072402 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 130751 - 0204-CF-006-13.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40215	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40336	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**101**	mg/Kg	1	1.00
Total Cadmium		**0.301**	mg/Kg	1	0.200
Total Chromium		**5.59**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Method Blank (1) QC Batch: 40215

QC Batch:	40215	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	QC Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.214	mg/Kg	0.05
Total Arsenic		<0.544	mg/Kg	2
Total Barium		<0.167	mg/Kg	1
Total Cadmium		<0.136	mg/Kg	0.1
Total Chromium		<0.0930	mg/Kg	0.5
Total Lead		<0.736	mg/Kg	1
Total Selenium		<1.31	mg/Kg	1

Method Blank (1) QC Batch: 40336

QC Batch:	40336	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	QC Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00301	mg/Kg	0.04

Laboratory Control Spike (LCS-1)

QC Batch: 40215 Date Analyzed: 2007-08-20 Analyzed By: RR
Prep Batch: 34751 QC Preparation: 2007-08-16 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	10.6	mg/Kg	1	12.5	<0.214	85	84.3 - 98.7
Total Arsenic	43.1	mg/Kg	1	50.0	<0.544	86	76.3 - 105
Total Barium	89.2	mg/Kg	1	100	<0.167	89	80.1 - 102
Total Cadmium	21.3	mg/Kg	1	25.0	<0.136	85	85 - 115
Total Chromium	9.29	mg/Kg	1	10.0	<0.0930	93	82.2 - 115
Total Lead	43.8	mg/Kg	1	50.0	<0.736	88	84 - 100
Total Selenium	39.3	mg/Kg	1	50.0	<1.31	79	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	10.9	mg/Kg	1	12.5	<0.214	87	84.3 - 98.7	3	20
Total Arsenic	44.6	mg/Kg	1	50.0	<0.544	89	76.3 - 105	3	20
Total Barium	83.5	mg/Kg	1	100	<0.167	84	80.1 - 102	7	20
Total Cadmium	22.2	mg/Kg	1	25.0	<0.136	89	85 - 115	4	20
Total Chromium	8.93	mg/Kg	1	10.0	<0.0930	89	82.2 - 115	4	20
Total Lead	44.2	mg/Kg	1	50.0	<0.736	88	84 - 100	1	20
Total Selenium	40.1	mg/Kg	1	50.0	<1.31	80	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40336 Date Analyzed: 2007-08-22 Analyzed By: TP
Prep Batch: 34885 QC Preparation: 2007-08-22 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.507	mg/Kg	1	0.500	<0.0301	101	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.516	mg/Kg	1	0.500	<0.0301	103	89.4 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130276

QC Batch: 40215 Date Analyzed: 2007-08-20 Analyzed By: RR
Prep Batch: 34751 QC Preparation: 2007-08-16 Prepared By: KV

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.4	mg/Kg	1	12.5	<0.214	91	78.7 - 93.5
Total Arsenic	43.5	mg/Kg	1	50.0	<0.544	87	75.8 - 105
Total Barium	167	mg/Kg	1	100	57.4	110	73.2 - 117
Total Cadmium	22.0	mg/Kg	1	25.0	0.317	87	75 - 112
Total Chromium	12.0	mg/Kg	1	10.0	2.68	93	66.9 - 128
Total Lead	49.6	mg/Kg	1	50.0	<0.736	99	67.4 - 102
Total Selenium	39.7	mg/Kg	1	50.0	<1.31	79	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.2	mg/Kg	1	12.5	<0.214	90	78.7 - 93.5	2	20
Total Arsenic	42.2	mg/Kg	1	50.0	<0.544	84	75.8 - 105	3	20
Total Barium	151	mg/Kg	1	100	57.4	94	73.2 - 117	10	20
Total Cadmium	21.8	mg/Kg	1	25.0	0.317	86	75 - 112	1	20
Total Chromium	11.7	mg/Kg	1	10.0	2.68	90	66.9 - 128	2	20
Total Lead	48.0	mg/Kg	1	50.0	<0.736	96	67.4 - 102	3	20
Total Selenium	39.8	mg/Kg	1	50.0	<1.31	80	75 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130503

QC Batch: 40336 Date Analyzed: 2007-08-22 Analyzed By: TP
Prep Batch: 34885 QC Preparation: 2007-08-22 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.528	mg/Kg	1	0.500	0.00823	104	80.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.524	mg/Kg	1	0.500	0.00823	103	80.8 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 40215 Date Analyzed: 2007-08-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.125	100	90 - 110	2007-08-20
Total Arsenic		mg/Kg	1.00	0.994	99	95 - 105	2007-08-20
Total Barium		mg/Kg	1.00	1.02	102	95 - 105	2007-08-20

continued . . .

standard continued ...

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/Kg	1.00	1.00	100	95 - 105	2007-08-20
Total Chromium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Lead		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Selenium		mg/Kg	1.00	0.996	100	90 - 110	2007-08-20

Standard (CCV-1)

QC Batch: 40215 Date Analyzed: 2007-08-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.127	102	90 - 110	2007-08-20
Total Arsenic		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Barium		mg/Kg	1.00	1.02	102	90 - 110	2007-08-20
Total Cadmium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Chromium		mg/Kg	1.00	1.01	101	90 - 110	2007-08-20
Total Lead		mg/Kg	1.00	0.997	100	90 - 110	2007-08-20
Total Selenium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20

Standard (ICV-1)

QC Batch: 40336 Date Analyzed: 2007-08-22 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00504	101	90 - 110	2007-08-22

Standard (CCV-1)

QC Batch: 40336 Date Analyzed: 2007-08-22 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00513	103	80 - 120	2007-08-22

P.O. BOX 363, Bldg 126, 3rd Floor, WSMR, NM 88002
Office: (505) 678-0263 Fax: (505) 678-5096

7072402

902

WTCS

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.: 45

PROJECT NAME: POL AST

SAMPLER'S SIGNATURE:

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH/DRO	REMARKS
7-23-07	1305	0204-CF-006-13.0	SOIL		1	x	130751

PROJECT INFORMATION	SAMPLES RECEIVED	✓	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS	✓	(PRINTED NAME) GABRIEL GARCIA	(PRINTED NAME)	(PRINTED NAME) Sabrina Muik
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	—	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) WTCS
	GOOD CONDITION/CHILLED	✓	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 072407 930
VIA: FED EX	CONFORMS TO RECORD	✓	SPECIAL INSTRUCTIONS / COMMENTS: RUSH ON TPH/DRO - 1 day VERBAL BRAD DAVIS 505 993-6890		

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 23, 2007

Work Order: 7072023

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
130500	0204-CF-001-12.0	soil	2007-07-19	12:30	2007-07-20
130501	0204-CF-002-14.5	soil	2007-07-19	12:35	2007-07-20
130502	0204-CF-102-14.5	soil	2007-07-19	12:35	2007-07-20
130503	0204-CF-003-13.0	soil	2007-07-19	12:40	2007-07-20
130504	0204-CF-004-13.0	soil	2007-07-19	13:05	2007-07-20
130505	0204-CF-005-13.0	soil	2007-07-19	13:15	2007-07-20

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 9 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-20 and assigned to work order 7072023. Samples for work order 7072023 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Total	S 6010B
As, Total	S 6010B
Ba, Total	S 6010B
Cd, Total	S 6010B
Cr, Total	S 6010B
Hg, Total	S 7471A
Pb, Total	S 6010B
Se, Total	S 6010B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7072023 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 130500 - 0204-CF-001-12.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40182	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40215	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**64.6**	mg/Kg	1	1.00
Total Cadmium		<0.200	mg/Kg	1	0.200
Total Chromium		**5.37**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 130501 - 0204-CF-002-14.5

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40182	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40215	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**63.3**	mg/Kg	1	1.00
Total Cadmium		**0.551**	mg/Kg	1	0.200
Total Chromium		**7.52**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 130502 - 0204-CF-102-14.5

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40215	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40336	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**2.09**	mg/Kg	1	2.00
Total Barium		**67.4**	mg/Kg	1	1.00
Total Cadmium		**0.542**	mg/Kg	1	0.200
Total Chromium		**7.90**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 130503 - 0204-CF-003-13.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40215	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40336	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**85.6**	mg/Kg	1	1.00
Total Cadmium		**0.512**	mg/Kg	1	0.200
Total Chromium		**6.42**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 130504 - 0204-CF-004-13.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40215	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40336	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**29.1**	mg/Kg	1	1.00
Total Cadmium		<0.200	mg/Kg	1	0.200
Total Chromium		**4.60**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 130505 - 0204-CF-005-13.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40215	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40336	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**2.16**	mg/Kg	1	2.00
Total Barium		**58.8**	mg/Kg	1	1.00
Total Cadmium		**0.411**	mg/Kg	1	0.200
Total Chromium		**7.76**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Method Blank (1) QC Batch: 40182

QC Batch:	40182	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	QC Preparation:	2007-08-17	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00301	mg/Kg	0.04

Method Blank (1) QC Batch: 40215

QC Batch:	40215	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	QC Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.214	mg/Kg	0.05
Total Arsenic		<0.544	mg/Kg	2
Total Barium		<0.167	mg/Kg	1
Total Cadmium		<0.136	mg/Kg	0.1
Total Chromium		<0.0930	mg/Kg	0.5
Total Lead		<0.736	mg/Kg	1
Total Selenium		<1.31	mg/Kg	1

Method Blank (1) QC Batch: 40336

QC Batch:	40336	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	QC Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00301	mg/Kg	0.04

Laboratory Control Spike (LCS-1)

QC Batch: 40182 Date Analyzed: 2007-08-17 Analyzed By: TP
Prep Batch: 34770 QC Preparation: 2007-08-17 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.533	mg/Kg	1	0.500	<0.0301	107	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.509	mg/Kg	1	0.500	<0.0301	102	89.4 - 115	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40215 Date Analyzed: 2007-08-20 Analyzed By: RR
Prep Batch: 34751 QC Preparation: 2007-08-16 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	10.6	mg/Kg	1	12.5	<0.214	85	84.3 - 98.7
Total Arsenic	43.1	mg/Kg	1	50.0	<0.544	86	76.3 - 105
Total Barium	89.2	mg/Kg	1	100	<0.167	89	80.1 - 102
Total Cadmium	21.3	mg/Kg	1	25.0	<0.136	85	85 - 115
Total Chromium	9.29	mg/Kg	1	10.0	<0.0930	93	82.2 - 115
Total Lead	43.8	mg/Kg	1	50.0	<0.736	88	84 - 100
Total Selenium	39.3	mg/Kg	1	50.0	<1.31	79	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	10.9	mg/Kg	1	12.5	<0.214	87	84.3 - 98.7	3	20
Total Arsenic	44.6	mg/Kg	1	50.0	<0.544	89	76.3 - 105	3	20
Total Barium	83.5	mg/Kg	1	100	<0.167	84	80.1 - 102	7	20
Total Cadmium	22.2	mg/Kg	1	25.0	<0.136	89	85 - 115	4	20
Total Chromium	8.93	mg/Kg	1	10.0	<0.0930	89	82.2 - 115	4	20
Total Lead	44.2	mg/Kg	1	50.0	<0.736	88	84 - 100	1	20
Total Selenium	40.1	mg/Kg	1	50.0	<1.31	80	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40336 Date Analyzed: 2007-08-22 Analyzed By: TP
Prep Batch: 34885 QC Preparation: 2007-08-22 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.507	mg/Kg	1	0.500	<0.0301	101	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.516	mg/Kg	1	0.500	<0.0301	103	89.4 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130272

QC Batch: 40182 Date Analyzed: 2007-08-17 Analyzed By: TP
Prep Batch: 34770 QC Preparation: 2007-08-17 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.520	mg/Kg	1	0.500	<0.00301	104	80.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.559	mg/Kg	1	0.500	<0.00301	112	80.8 - 115	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130276

QC Batch: 40215 Date Analyzed: 2007-08-20 Analyzed By: RR
Prep Batch: 34751 QC Preparation: 2007-08-16 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.4	mg/Kg	1	12.5	<0.214	91	78.7 - 93.5
Total Arsenic	43.5	mg/Kg	1	50.0	<0.544	87	75.8 - 105
Total Barium	167	mg/Kg	1	100	57.4	110	73.2 - 117
Total Cadmium	22.0	mg/Kg	1	25.0	0.317	87	75 - 112
Total Chromium	12.0	mg/Kg	1	10.0	2.68	93	66.9 - 128
Total Lead	49.6	mg/Kg	1	50.0	<0.736	99	67.4 - 102
Total Selenium	39.7	mg/Kg	1	50.0	<1.31	79	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.2	mg/Kg	1	12.5	<0.214	90	78.7 - 93.5	2	20

continued . . .

matrix spikes continued . . .

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	42.2	mg/Kg	1	50.0	<0.544	84	75.8 - 105	3	20
Total Barium	151	mg/Kg	1	100	57.4	94	73.2 - 117	10	20
Total Cadmium	21.8	mg/Kg	1	25.0	0.317	86	75 - 112	1	20
Total Chromium	11.7	mg/Kg	1	10.0	2.68	90	66.9 - 128	2	20
Total Lead	48.0	mg/Kg	1	50.0	<0.736	96	67.4 - 102	3	20
Total Selenium	39.8	mg/Kg	1	50.0	<1.31	80	75 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130503

QC Batch: 40336 Date Analyzed: 2007-08-22 Analyzed By: TP
Prep Batch: 34885 QC Preparation: 2007-08-22 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.528	mg/Kg	1	0.500	0.00823	104	80.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.524	mg/Kg	1	0.500	0.00823	103	80.8 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 40182 Date Analyzed: 2007-08-17 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00504	101	90 - 110	2007-08-17

Standard (CCV-1)

QC Batch: 40182 Date Analyzed: 2007-08-17 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00554	111	80 - 120	2007-08-17

Standard (ICV-1)

QC Batch: 40215 Date Analyzed: 2007-08-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.125	100	90 - 110	2007-08-20
Total Arsenic		mg/Kg	1.00	0.994	99	95 - 105	2007-08-20
Total Barium		mg/Kg	1.00	1.02	102	95 - 105	2007-08-20
Total Cadmium		mg/Kg	1.00	1.00	100	95 - 105	2007-08-20
Total Chromium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Lead		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Selenium		mg/Kg	1.00	0.996	100	90 - 110	2007-08-20

Standard (CCV-1)

QC Batch: 40215 Date Analyzed: 2007-08-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.127	102	90 - 110	2007-08-20
Total Arsenic		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Barium		mg/Kg	1.00	1.02	102	90 - 110	2007-08-20
Total Cadmium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Chromium		mg/Kg	1.00	1.01	101	90 - 110	2007-08-20
Total Lead		mg/Kg	1.00	0.997	100	90 - 110	2007-08-20
Total Selenium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20

Standard (ICV-1)

QC Batch: 40336 Date Analyzed: 2007-08-22 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00504	101	90 - 110	2007-08-22

Standard (CCV-1)

QC Batch: 40336 Date Analyzed: 2007-08-22 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00513	103	80 - 120	2007-08-22

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 23, 2007

Work Order: 7072717

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131060	0200-CF-001-12.0	soil	2007-07-26	10:05	2007-07-27
131061	0200-CF-101-12.0	soil	2007-07-26	10:05	2007-07-27
131062	0200-CF-002-11.0	soil	2007-07-26	10:15	2007-07-27
131063	0200-CF-003-8.0	soil	2007-07-26	10:35	2007-07-27
131064	0200-CF-004-11.0	soil	2007-07-26	10:40	2007-07-27
131065	0200-CF-005-10.0	soil	2007-07-26	11:00	2007-07-27
131066	0199-CF-001-10.0	soil	2007-07-26	11:25	2007-07-27
131067	0199-CF-002-10.0	soil	2007-07-26	11:35	2007-07-27
131068	0199-CF-003-14.0	soil	2007-07-26	11:40	2007-07-27
131069	0199-CF-103-14.0	soil	2007-07-26	11:40	2007-07-27
131070	0199-CF-004-10.0	soil	2007-07-26	12:00	2007-07-27
131071	0199-CF-005-11.0	soil	2007-07-26	12:10	2007-07-27

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 16 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-27 and assigned to work order 7072717. Samples for work order 7072717 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Total	S 6010B
As, Total	S 6010B
Ba, Total	S 6010B
Cd, Total	S 6010B
Cr, Total	S 6010B
Hg, Total	S 7471A
Pb, Total	S 6010B
Se, Total	S 6010B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7072717 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131060 - 0200-CF-001-12.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40215	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40336	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**4.02**	mg/Kg	1	2.00
Total Barium		**133**	mg/Kg	1	1.00
Total Cadmium		**1.54**	mg/Kg	1	0.200
Total Chromium		**22.1**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131061 - 0200-CF-101-12.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40162	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40336	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**3.32**	mg/Kg	1	2.00
Total Barium		**128**	mg/Kg	1	1.00
Total Cadmium		**1.36**	mg/Kg	1	0.200
Total Chromium		**19.9**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131062 - 0200-CF-002-11.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40162	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40336	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**3.42**	mg/Kg	1	2.00
Total Barium		**144**	mg/Kg	1	1.00
Total Cadmium		**1.65**	mg/Kg	1	0.200
Total Chromium		**22.6**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131063 - 0200-CF-003-8.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40162	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40336	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**3.49**	mg/Kg	1	2.00
Total Barium		**140**	mg/Kg	1	1.00
Total Cadmium		**1.46**	mg/Kg	1	0.200
Total Chromium		**20.7**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131064 - 0200-CF-004-11.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40162	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40336	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**3.88**	mg/Kg	1	2.00
Total Barium		**136**	mg/Kg	1	1.00
Total Cadmium		**1.40**	mg/Kg	1	0.200
Total Chromium		**20.1**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131065 - 0200-CF-005-10.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40162	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40337	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**4.83**	mg/Kg	1	2.00
Total Barium		**176**	mg/Kg	1	1.00
Total Cadmium		**1.47**	mg/Kg	1	0.200
Total Chromium		**18.9**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131066 - 0199-CF-001-10.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40162	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40337	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**2.47**	mg/Kg	1	2.00
Total Barium		**125**	mg/Kg	1	1.00
Total Cadmium		**1.39**	mg/Kg	1	0.200
Total Chromium		**19.4**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131067 - 0199-CF-002-10.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40162	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40337	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

continued . . .

sample 131067 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**17.8**	mg/Kg	1	2.00
Total Barium		**140**	mg/Kg	1	1.00
Total Cadmium		**1.57**	mg/Kg	1	0.200
Total Chromium		**19.2**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131068 - 0199-CF-003-14.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40162	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40337	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**3.25**	mg/Kg	1	2.00
Total Barium		**124**	mg/Kg	1	1.00
Total Cadmium		**1.45**	mg/Kg	1	0.200
Total Chromium		**21.9**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131069 - 0199-CF-103-14.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40162	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40337	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**2.98**	mg/Kg	1	2.00
Total Barium		**139**	mg/Kg	1	1.00
Total Cadmium		**1.50**	mg/Kg	1	0.200

continued . . .

sample 131069 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Total Chromium		**21.8**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131070 - 0199-CF-004-10.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40162	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40337	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**3.44**	mg/Kg	1	2.00
Total Barium		**156**	mg/Kg	1	1.00
Total Cadmium		**1.48**	mg/Kg	1	0.200
Total Chromium		**21.5**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131071 - 0199-CF-005-11.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40163	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40337	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**3.27**	mg/Kg	1	2.00
Total Barium		**178**	mg/Kg	1	1.00
Total Cadmium		**1.44**	mg/Kg	1	0.200
Total Chromium		**20.6**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Method Blank (1) QC Batch: 40162

QC Batch:	40162	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	QC Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.214	mg/Kg	0.05
Total Arsenic		<0.544	mg/Kg	2
Total Barium		<0.167	mg/Kg	1
Total Cadmium		<0.136	mg/Kg	0.1
Total Chromium		<0.0930	mg/Kg	0.5
Total Lead		<0.736	mg/Kg	1
Total Selenium		<1.31	mg/Kg	1

Method Blank (1) QC Batch: 40163

QC Batch:	40163	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	QC Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.214	mg/Kg	0.05
Total Arsenic		<0.544	mg/Kg	2
Total Barium		<0.167	mg/Kg	1
Total Cadmium		<0.136	mg/Kg	0.1
Total Chromium		<0.0930	mg/Kg	0.5
Total Lead		<0.736	mg/Kg	1
Total Selenium		<1.31	mg/Kg	1

Method Blank (1) QC Batch: 40215

QC Batch:	40215	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	QC Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.214	mg/Kg	0.05
Total Arsenic		<0.544	mg/Kg	2
Total Barium		<0.167	mg/Kg	1
Total Cadmium		<0.136	mg/Kg	0.1
Total Chromium		<0.0930	mg/Kg	0.5
Total Lead		<0.736	mg/Kg	1
Total Selenium		<1.31	mg/Kg	1

Method Blank (1) QC Batch: 40336

QC Batch:	40336	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	QC Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00301	mg/Kg	0.04

Method Blank (1) QC Batch: 40337

QC Batch:	40337	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	QC Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00301	mg/Kg	0.04

Laboratory Control Spike (LCS-1)

QC Batch:	40162	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	QC Preparation:	2007-08-16	Prepared By:	KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.0	mg/Kg	1	12.5	<0.214	88	84.3 - 98.7
Total Arsenic	45.7	mg/Kg	1	50.0	<0.544	91	76.3 - 105
Total Barium	92.1	mg/Kg	1	100	<0.167	92	80.1 - 102
Total Cadmium	22.1	mg/Kg	1	25.0	<0.136	88	85 - 115
Total Chromium	9.50	mg/Kg	1	10.0	<0.0930	95	82.2 - 115
Total Lead	45.7	mg/Kg	1	50.0	<0.736	91	84 - 100
Total Selenium	40.1	mg/Kg	1	50.0	<1.31	80	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.0	mg/Kg	1	12.5	<0.214	88	84.3 - 98.7	0	20
Total Arsenic	45.8	mg/Kg	1	50.0	<0.544	92	76.3 - 105	0	20
Total Barium	91.3	mg/Kg	1	100	<0.167	91	80.1 - 102	1	20
Total Cadmium	22.1	mg/Kg	1	25.0	<0.136	88	85 - 115	0	20
Total Chromium	9.52	mg/Kg	1	10.0	<0.0930	95	82.2 - 115	0	20
Total Lead	45.6	mg/Kg	1	50.0	<0.736	91	84 - 100	0	20
Total Selenium	39.4	mg/Kg	1	50.0	<1.31	79	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40163 Date Analyzed: 2007-08-17 Analyzed By: RR
Prep Batch: 34750 QC Preparation: 2007-08-16 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.0	mg/Kg	1	12.5	<0.214	88	84.3 - 98.7
Total Arsenic	45.7	mg/Kg	1	50.0	<0.544	91	76.3 - 105
Total Barium	92.1	mg/Kg	1	100	<0.167	92	80.1 - 102
Total Cadmium	22.1	mg/Kg	1	25.0	<0.136	88	85 - 115
Total Chromium	9.50	mg/Kg	1	10.0	<0.0930	95	82.2 - 115
Total Lead	45.7	mg/Kg	1	50.0	<0.736	91	84 - 100
Total Selenium	40.1	mg/Kg	1	50.0	<1.31	80	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.0	mg/Kg	1	12.5	<0.214	88	84.3 - 98.7	0	20
Total Arsenic	45.8	mg/Kg	1	50.0	<0.544	92	76.3 - 105	0	20
Total Barium	91.3	mg/Kg	1	100	<0.167	91	80.1 - 102	1	20
Total Cadmium	22.1	mg/Kg	1	25.0	<0.136	88	85 - 115	0	20
Total Chromium	9.52	mg/Kg	1	10.0	<0.0930	95	82.2 - 115	0	20
Total Lead	45.6	mg/Kg	1	50.0	<0.736	91	84 - 100	0	20
Total Selenium	39.4	mg/Kg	1	50.0	<1.31	79	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40215 Date Analyzed: 2007-08-20 Analyzed By: RR
Prep Batch: 34751 QC Preparation: 2007-08-16 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	10.6	mg/Kg	1	12.5	<0.214	85	84.3 - 98.7
Total Arsenic	43.1	mg/Kg	1	50.0	<0.544	86	76.3 - 105
Total Barium	89.2	mg/Kg	1	100	<0.167	89	80.1 - 102
Total Cadmium	21.3	mg/Kg	1	25.0	<0.136	85	85 - 115
Total Chromium	9.29	mg/Kg	1	10.0	<0.0930	93	82.2 - 115
Total Lead	43.8	mg/Kg	1	50.0	<0.736	88	84 - 100
Total Selenium	39.3	mg/Kg	1	50.0	<1.31	79	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	10.9	mg/Kg	1	12.5	<0.214	87	84.3 - 98.7	3	20
Total Arsenic	44.6	mg/Kg	1	50.0	<0.544	89	76.3 - 105	3	20
Total Barium	83.5	mg/Kg	1	100	<0.167	84	80.1 - 102	7	20
Total Cadmium	22.2	mg/Kg	1	25.0	<0.136	89	85 - 115	4	20
Total Chromium	8.93	mg/Kg	1	10.0	<0.0930	89	82.2 - 115	4	20
Total Lead	44.2	mg/Kg	1	50.0	<0.736	88	84 - 100	1	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	40.1	mg/Kg	1	50.0	<1.31	80	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40336 Date Analyzed: 2007-08-22 Analyzed By: TP
Prep Batch: 34885 QC Preparation: 2007-08-22 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.507	mg/Kg	1	0.500	<0.0301	101	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.516	mg/Kg	1	0.500	<0.0301	103	89.4 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40337 Date Analyzed: 2007-08-22 Analyzed By: TP
Prep Batch: 34885 QC Preparation: 2007-08-22 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.507	mg/Kg	1	0.500	<0.0301	101	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.516	mg/Kg	1	0.500	<0.0301	103	89.4 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131061

QC Batch: 40162 Date Analyzed: 2007-08-17 Analyzed By: RR
Prep Batch: 34750 QC Preparation: 2007-08-16 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	10.1	mg/Kg	1	12.5	<0.214	81	78.7 - 93.5
Total Arsenic	43.1	mg/Kg	1	50.0	3.32	80	75.8 - 105
Total Barium	234	mg/Kg	1	100	128	106	73.2 - 117
Total Cadmium	22.1	mg/Kg	1	25.0	1.36	83	75 - 112
Total Chromium	30.0	mg/Kg	1	10.0	19.9	101	66.9 - 128

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	50.3	mg/Kg	1	50.0	<0.736	101	67.4 - 102
Total Selenium	41.1	mg/Kg	1	50.0	<1.31	82	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	10.5	mg/Kg	1	12.5	<0.214	84	78.7 - 93.5	4	20
Total Arsenic	44.5	mg/Kg	1	50.0	3.32	82	75.8 - 105	3	20
Total Barium	237	mg/Kg	1	100	128	109	73.2 - 117	1	20
Total Cadmium	21.9	mg/Kg	1	25.0	1.36	82	75 - 112	1	20
Total Chromium	30.3	mg/Kg	1	10.0	19.9	104	66.9 - 128	1	20
Total Lead	51.0	mg/Kg	1	50.0	<0.736	102	67.4 - 102	1	20
Total Selenium	40.9	mg/Kg	1	50.0	<1.31	82	75 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131071

QC Batch: 40163 Date Analyzed: 2007-08-17 Analyzed By: RR
Prep Batch: 34750 QC Preparation: 2007-08-16 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	10.7	mg/Kg	1	12.5	<0.214	86	78.7 - 93.5
Total Arsenic	43.4	mg/Kg	1	50.0	3.27	80	75.8 - 105
Total Barium	265	mg/Kg	1	100	178	87	73.2 - 117
Total Cadmium	22.0	mg/Kg	1	25.0	1.44	82	75 - 112
Total Chromium	30.2	mg/Kg	1	10.0	20.6	96	66.9 - 128
Total Lead	45.9	mg/Kg	1	50.0	<0.736	92	67.4 - 102
Total Selenium	42.0	mg/Kg	1	50.0	<1.31	84	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.0	mg/Kg	1	12.5	<0.214	88	78.7 - 93.5	3	20
Total Arsenic	42.2	mg/Kg	1	50.0	3.27	78	75.8 - 105	3	20
Total Barium	267	mg/Kg	1	100	178	89	73.2 - 117	1	20
Total Cadmium	22.3	mg/Kg	1	25.0	1.44	83	75 - 112	1	20
Total Chromium	30.6	mg/Kg	1	10.0	20.6	100	66.9 - 128	1	20
Total Lead	46.4	mg/Kg	1	50.0	<0.736	93	67.4 - 102	1	20
Total Selenium	42.8	mg/Kg	1	50.0	<1.31	86	75 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130276

QC Batch: 40215 Date Analyzed: 2007-08-20 Analyzed By: RR
Prep Batch: 34751 QC Preparation: 2007-08-16 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.4	mg/Kg	1	12.5	<0.214	91	78.7 - 93.5
Total Arsenic	43.5	mg/Kg	1	50.0	<0.544	87	75.8 - 105
Total Barium	167	mg/Kg	1	100	57.4	110	73.2 - 117
Total Cadmium	22.0	mg/Kg	1	25.0	0.317	87	75 - 112
Total Chromium	12.0	mg/Kg	1	10.0	2.68	93	66.9 - 128
Total Lead	49.6	mg/Kg	1	50.0	<0.736	99	67.4 - 102
Total Selenium	39.7	mg/Kg	1	50.0	<1.31	79	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.2	mg/Kg	1	12.5	<0.214	90	78.7 - 93.5	2	20
Total Arsenic	42.2	mg/Kg	1	50.0	<0.544	84	75.8 - 105	3	20
Total Barium	151	mg/Kg	1	100	57.4	94	73.2 - 117	10	20
Total Cadmium	21.8	mg/Kg	1	25.0	0.317	86	75 - 112	1	20
Total Chromium	11.7	mg/Kg	1	10.0	2.68	90	66.9 - 128	2	20
Total Lead	48.0	mg/Kg	1	50.0	<0.736	96	67.4 - 102	3	20
Total Selenium	39.8	mg/Kg	1	50.0	<1.31	80	75 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130503

QC Batch: 40336 Date Analyzed: 2007-08-22 Analyzed By: TP
Prep Batch: 34885 QC Preparation: 2007-08-22 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.528	mg/Kg	1	0.500	0.00823	104	80.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.524	mg/Kg	1	0.500	0.00823	103	80.8 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131065

QC Batch: 40337 Date Analyzed: 2007-08-22 Analyzed By: TP
Prep Batch: 34885 QC Preparation: 2007-08-22 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.580	mg/Kg	1	0.500	0.0103	114	80.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.520	mg/Kg	1	0.500	0.0103	102	80.8 - 115	11	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 40162 Date Analyzed: 2007-08-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.124	99	90 - 110	2007-08-17
Total Arsenic		mg/Kg	1.00	0.989	99	95 - 105	2007-08-17
Total Barium		mg/Kg	1.00	1.01	101	95 - 105	2007-08-17
Total Cadmium		mg/Kg	1.00	0.988	99	95 - 105	2007-08-17
Total Chromium		mg/Kg	1.00	0.987	99	90 - 110	2007-08-17
Total Lead		mg/Kg	1.00	0.991	99	90 - 110	2007-08-17
Total Selenium		mg/Kg	1.00	0.967	97	90 - 110	2007-08-17

Standard (CCV-1)

QC Batch: 40162 Date Analyzed: 2007-08-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.125	100	90 - 110	2007-08-17
Total Arsenic		mg/Kg	1.00	1.00	100	90 - 110	2007-08-17
Total Barium		mg/Kg	1.00	1.01	101	90 - 110	2007-08-17
Total Cadmium		mg/Kg	1.00	0.998	100	90 - 110	2007-08-17
Total Chromium		mg/Kg	1.00	0.998	100	90 - 110	2007-08-17
Total Lead		mg/Kg	1.00	1.00	100	90 - 110	2007-08-17
Total Selenium		mg/Kg	1.00	0.980	98	90 - 110	2007-08-17

Standard (ICV-1)

QC Batch: 40163 Date Analyzed: 2007-08-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.124	99	90 - 110	2007-08-17
Total Arsenic		mg/Kg	1.00	0.989	99	95 - 105	2007-08-17
Total Barium		mg/Kg	1.00	1.01	101	95 - 105	2007-08-17
Total Cadmium		mg/Kg	1.00	0.988	99	95 - 105	2007-08-17
Total Chromium		mg/Kg	1.00	0.987	99	90 - 110	2007-08-17
Total Lead		mg/Kg	1.00	0.991	99	90 - 110	2007-08-17
Total Selenium		mg/Kg	1.00	0.967	97	90 - 110	2007-08-17

Standard (CCV-1)

QC Batch: 40163 Date Analyzed: 2007-08-17 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.124	99	90 - 110	2007-08-17
Total Arsenic		mg/Kg	1.00	0.999	100	90 - 110	2007-08-17
Total Barium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-17
Total Cadmium		mg/Kg	1.00	0.986	99	90 - 110	2007-08-17
Total Chromium		mg/Kg	1.00	0.984	98	90 - 110	2007-08-17
Total Lead		mg/Kg	1.00	0.993	99	90 - 110	2007-08-17
Total Selenium		mg/Kg	1.00	0.972	97	90 - 110	2007-08-17

Standard (ICV-1)

QC Batch: 40215 Date Analyzed: 2007-08-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.125	100	90 - 110	2007-08-20
Total Arsenic		mg/Kg	1.00	0.994	99	95 - 105	2007-08-20
Total Barium		mg/Kg	1.00	1.02	102	95 - 105	2007-08-20
Total Cadmium		mg/Kg	1.00	1.00	100	95 - 105	2007-08-20
Total Chromium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Lead		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Selenium		mg/Kg	1.00	0.996	100	90 - 110	2007-08-20

Standard (CCV-1)

QC Batch: 40215 Date Analyzed: 2007-08-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.127	102	90 - 110	2007-08-20
Total Arsenic		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Barium		mg/Kg	1.00	1.02	102	90 - 110	2007-08-20
Total Cadmium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Chromium		mg/Kg	1.00	1.01	101	90 - 110	2007-08-20
Total Lead		mg/Kg	1.00	0.997	100	90 - 110	2007-08-20
Total Selenium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20

Standard (ICV-1)

QC Batch: 40336 Date Analyzed: 2007-08-22 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00504	101	90 - 110	2007-08-22

Standard (CCV-1)

QC Batch: 40336 Date Analyzed: 2007-08-22 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00513	103	80 - 120	2007-08-22

Standard (ICV-1)

QC Batch: 40337 Date Analyzed: 2007-08-22 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00504	101	90 - 110	2007-08-22

Standard (CCV-1)

QC Batch: 40337 Date Analyzed: 2007-08-22 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00514	103	80 - 120	2007-08-22

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903

P.O. Box 363, Bldg 126, 3rd Floor, WSMR, NM 88002
(505) 678-0263 Fax: (505) 678-6096

WLS

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.: 45

PROJECT NAME: POL Asta

SAMPLERS SIGNATURE:

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH DRO	VOCs	SVOCs	REMARKS
7-26-07	1005	0200-CF-001-12.0	Soil	131060	1	X	X	X	
7-26-07	1005	0200-CF-101-12.0	Soil	061	1	X	X	X	
7-26-07	1015	0200-CF-002-11.0	Soil	062	1	X	X	X	
7-26-07	1035	0200-CF-003-8.0	Soil	063	1	X	X	X	
7-26-07	1040	0200-CF-004-11.0	Soil	064	1	X	X	X	
7-26-07	1100	0200-CF-005-10.0	Soil	065	1	X	X	X	
7-26-07	1125	0199-CF-001-10.0	SOIL	066	1	X	X	X	
7-26-07	1135	0199-CF-002-10.0	SOIL	067	1	X	X	X	
7-26-07	1140	0199-CF-003-14.0	SOIL	068	1	X	X	X	
7-26-07	1140	0199-CF-103-14.0	SOIL	069	1	X	X	X	
7-26-07	1200	0199-CF-004-10.0	SOIL	070	1	X	X	X	
7-26-07	1210	0199-CF-005-11.0	SOIL	071	1	X	X	X	
7-26-07	1300	0199-EB-007-0707	Water	072	7	X	X	X	
7-26-07	1300	0199-TB-903-0707	Water	073	2		X		
—	—	Temperature Blank	Water		1				Temperature Blank

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS	(PRINTED NAME) Bradley T. Davis	(PRINTED NAME)	(PRINTED NAME) Sabrina Multa
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS: 1	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
	GOOD CONDITION/CHILLED: 40	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 072707 1930
VIA: FedEX	CONFORMS TO RECORD: 88	SPECIAL INSTRUCTIONS/COMMENTS:	Rush on TPH DRO - 1 day verbal Brad Davis (505) 993-6890	

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DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: July 25, 2007

Work Order: 7071819

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
130271	0213-CF-001-20.0	soil	2007-07-17	10:45	2007-07-18
130272	0213-CF-002-15.0	soil	2007-07-17	10:50	2007-07-18
130273	0213-CF-003-15.0	soil	2007-07-17	10:55	2007-07-18
130274	0213-CF-101-20.0	soil	2007-07-17	10:45	2007-07-18
130275	0213-CF-004-15.0	soil	2007-07-17	12:10	2007-07-18
130276	0213-CF-005-15.0	soil	2007-07-17	12:30	2007-07-18
130277	0213-CF-006-20.0	soil	2007-07-17	13:00	2007-07-18

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 11 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-18 and assigned to work order 7071819. Samples for work order 7071819 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Total	S 6010B
As, Total	S 6010B
Ba, Total	S 6010B
Cd, Total	S 6010B
Cr, Total	S 6010B
Hg, Total	S 7471A
Pb, Total	S 6010B
Se, Total	S 6010B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7071819 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 130271 - 0213-CF-001-20.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40182	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40213	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**3.44**	mg/Kg	1	2.00
Total Barium		**199**	mg/Kg	1	1.00
Total Cadmium		**0.690**	mg/Kg	1	0.200
Total Chromium		**11.7**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 130272 - 0213-CF-002-15.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40182	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40213	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**63.5**	mg/Kg	1	1.00
Total Cadmium		**0.316**	mg/Kg	1	0.200
Total Chromium		**2.63**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 130273 - 0213-CF-003-15.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40182	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40213	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**112**	mg/Kg	1	1.00
Total Cadmium		**0.220**	mg/Kg	1	0.200
Total Chromium		**2.80**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 130274 - 0213-CF-101-20.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40182	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40213	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**3.37**	mg/Kg	1	2.00
Total Barium		**110**	mg/Kg	1	1.00
Total Cadmium		**0.722**	mg/Kg	1	0.200
Total Chromium		**12.6**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 130275 - 0213-CF-004-15.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40182	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40213	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**39.8**	mg/Kg	1	1.00
Total Cadmium		**0.267**	mg/Kg	1	0.200
Total Chromium		**2.05**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 130276 - 0213-CF-005-15.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40182	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40215	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**57.4**	mg/Kg	1	1.00
Total Cadmium		**0.317**	mg/Kg	1	0.200
Total Chromium		**2.68**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		**1.00**	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 130277 - 0213-CF-006-20.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40182	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40215	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**3.46**	mg/Kg	1	2.00
Total Barium		**151**	mg/Kg	1	1.00
Total Cadmium		**0.589**	mg/Kg	1	0.200
Total Chromium		**12.3**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Method Blank (1) QC Batch: 40182

QC Batch:	40182	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	QC Preparation:	2007-08-17	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00301	mg/Kg	0.04

Method Blank (1) QC Batch: 40213

QC Batch:	40213	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	QC Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.214	mg/Kg	0.05
Total Arsenic		<0.544	mg/Kg	2
Total Barium		<0.167	mg/Kg	1
Total Cadmium		<0.136	mg/Kg	0.1
Total Chromium		<0.0930	mg/Kg	0.5
Total Lead		<0.736	mg/Kg	1
Total Selenium		<1.31	mg/Kg	1

Method Blank (1) QC Batch: 40215

QC Batch:	40215	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	QC Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.214	mg/Kg	0.05
Total Arsenic		<0.544	mg/Kg	2
Total Barium		<0.167	mg/Kg	1
Total Cadmium		<0.136	mg/Kg	0.1
Total Chromium		<0.0930	mg/Kg	0.5
Total Lead		<0.736	mg/Kg	1
Total Selenium		<1.31	mg/Kg	1

Laboratory Control Spike (LCS-1)

QC Batch:	40182	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	QC Preparation:	2007-08-17	Prepared By:	TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.533	mg/Kg	1	0.500	<0.0301	107	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.509	mg/Kg	1	0.500	<0.0301	102	89.4 - 115	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40213 Date Analyzed: 2007-08-20 Analyzed By: RR
Prep Batch: 34751 QC Preparation: 2007-08-16 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	10.6	mg/Kg	1	12.5	<0.214	85	84.3 - 98.7
Total Arsenic	43.1	mg/Kg	1	50.0	<0.544	86	76.3 - 105
Total Barium	89.2	mg/Kg	1	100	<0.167	89	80.1 - 102
Total Cadmium	21.3	mg/Kg	1	25.0	<0.136	85	85 - 115
Total Chromium	9.29	mg/Kg	1	10.0	<0.0930	93	82.2 - 115
Total Lead	43.8	mg/Kg	1	50.0	<0.736	88	84 - 100
Total Selenium	39.3	mg/Kg	1	50.0	<1.31	79	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	10.9	mg/Kg	1	12.5	<0.214	87	84.3 - 98.7	3	20
Total Arsenic	44.6	mg/Kg	1	50.0	<0.544	89	76.3 - 105	3	20
Total Barium	83.5	mg/Kg	1	100	<0.167	84	80.1 - 102	7	20
Total Cadmium	22.2	mg/Kg	1	25.0	<0.136	89	85 - 115	4	20
Total Chromium	8.93	mg/Kg	1	10.0	<0.0930	89	82.2 - 115	4	20
Total Lead	44.2	mg/Kg	1	50.0	<0.736	88	84 - 100	1	20
Total Selenium	40.1	mg/Kg	1	50.0	<1.31	80	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40215 Date Analyzed: 2007-08-20 Analyzed By: RR
Prep Batch: 34751 QC Preparation: 2007-08-16 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	10.6	mg/Kg	1	12.5	<0.214	85	84.3 - 98.7
Total Arsenic	43.1	mg/Kg	1	50.0	<0.544	86	76.3 - 105
Total Barium	89.2	mg/Kg	1	100	<0.167	89	80.1 - 102
Total Cadmium	21.3	mg/Kg	1	25.0	<0.136	85	85 - 115
Total Chromium	9.29	mg/Kg	1	10.0	<0.0930	93	82.2 - 115
Total Lead	43.8	mg/Kg	1	50.0	<0.736	88	84 - 100
Total Selenium	39.3	mg/Kg	1	50.0	<1.31	79	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	10.9	mg/Kg	1	12.5	<0.214	87	84.3 - 98.7	3	20
Total Arsenic	44.6	mg/Kg	1	50.0	<0.544	89	76.3 - 105	3	20
Total Barium	83.5	mg/Kg	1	100	<0.167	84	80.1 - 102	7	20
Total Cadmium	22.2	mg/Kg	1	25.0	<0.136	89	85 - 115	4	20
Total Chromium	8.93	mg/Kg	1	10.0	<0.0930	89	82.2 - 115	4	20
Total Lead	44.2	mg/Kg	1	50.0	<0.736	88	84 - 100	1	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	40.1	mg/Kg	1	50.0	<1.31	80	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130272

QC Batch: 40182 Date Analyzed: 2007-08-17 Analyzed By: TP
Prep Batch: 34770 QC Preparation: 2007-08-17 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.520	mg/Kg	1	0.500	<0.00301	104	80.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.559	mg/Kg	1	0.500	<0.00301	112	80.8 - 115	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 129380

QC Batch: 40213 Date Analyzed: 2007-08-20 Analyzed By: RR
Prep Batch: 34751 QC Preparation: 2007-08-16 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	10.9	mg/Kg	1	12.5	<0.214	87	78.7 - 93.5
Total Arsenic	41.5	mg/Kg	1	50.0	<0.544	83	75.8 - 105
Total Barium	114	mg/Kg	1	100	29	85	73.2 - 117
Total Cadmium	20.2	mg/Kg	1	25.0	<0.136	81	75 - 112
Total Chromium	10.6	mg/Kg	1	10.0	1.97	86	66.9 - 128
Total Lead	44.9	mg/Kg	1	50.0	<0.736	90	67.4 - 102
Total Selenium	39.4	mg/Kg	1	50.0	<1.31	79	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.2	mg/Kg	1	12.5	<0.214	90	78.7 - 93.5	3	20
Total Arsenic	43.9	mg/Kg	1	50.0	<0.544	88	75.8 - 105	6	20
Total Barium	124	mg/Kg	1	100	29	95	73.2 - 117	8	20
Total Cadmium	21.1	mg/Kg	1	25.0	<0.136	84	75 - 112	4	20
Total Chromium	11.3	mg/Kg	1	10.0	1.97	93	66.9 - 128	6	20
Total Lead	45.7	mg/Kg	1	50.0	<0.736	91	67.4 - 102	2	20
Total Selenium	40.0	mg/Kg	1	50.0	<1.31	80	75 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 130276

QC Batch: 40215 Date Analyzed: 2007-08-20 Analyzed By: RR
Prep Batch: 34751 QC Preparation: 2007-08-16 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.4	mg/Kg	1	12.5	<0.214	91	78.7 - 93.5
Total Arsenic	43.5	mg/Kg	1	50.0	<0.544	87	75.8 - 105
Total Barium	167	mg/Kg	1	100	57.4	110	73.2 - 117
Total Cadmium	22.0	mg/Kg	1	25.0	0.317	87	75 - 112
Total Chromium	12.0	mg/Kg	1	10.0	2.68	93	66.9 - 128
Total Lead	49.6	mg/Kg	1	50.0	<0.736	99	67.4 - 102
Total Selenium	39.7	mg/Kg	1	50.0	<1.31	79	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.2	mg/Kg	1	12.5	<0.214	90	78.7 - 93.5	2	20
Total Arsenic	42.2	mg/Kg	1	50.0	<0.544	84	75.8 - 105	3	20
Total Barium	151	mg/Kg	1	100	57.4	94	73.2 - 117	10	20
Total Cadmium	21.8	mg/Kg	1	25.0	0.317	86	75 - 112	1	20
Total Chromium	11.7	mg/Kg	1	10.0	2.68	90	66.9 - 128	2	20
Total Lead	48.0	mg/Kg	1	50.0	<0.736	96	67.4 - 102	3	20
Total Selenium	39.8	mg/Kg	1	50.0	<1.31	80	75 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 40182 Date Analyzed: 2007-08-17 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00504	101	90 - 110	2007-08-17

Standard (CCV-1)

QC Batch: 40182 Date Analyzed: 2007-08-17 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00554	111	80 - 120	2007-08-17

Standard (ICV-1)

QC Batch: 40213 Date Analyzed: 2007-08-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.125	100	90 - 110	2007-08-20
Total Arsenic		mg/Kg	1.00	0.994	99	95 - 105	2007-08-20
Total Barium		mg/Kg	1.00	1.02	102	95 - 105	2007-08-20
Total Cadmium		mg/Kg	1.00	1.00	100	95 - 105	2007-08-20
Total Chromium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Lead		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Selenium		mg/Kg	1.00	0.996	100	90 - 110	2007-08-20

Standard (CCV-1)

QC Batch: 40213 Date Analyzed: 2007-08-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.127	102	90 - 110	2007-08-20
Total Arsenic		mg/Kg	1.00	0.994	99	90 - 110	2007-08-20
Total Barium		mg/Kg	1.00	1.04	104	90 - 110	2007-08-20
Total Cadmium		mg/Kg	1.00	0.995	100	90 - 110	2007-08-20
Total Chromium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Lead		mg/Kg	1.00	0.998	100	90 - 110	2007-08-20
Total Selenium		mg/Kg	1.00	1.01	101	90 - 110	2007-08-20

Standard (ICV-1)

QC Batch: 40215 Date Analyzed: 2007-08-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.125	100	90 - 110	2007-08-20
Total Arsenic		mg/Kg	1.00	0.994	99	95 - 105	2007-08-20
Total Barium		mg/Kg	1.00	1.02	102	95 - 105	2007-08-20
Total Cadmium		mg/Kg	1.00	1.00	100	95 - 105	2007-08-20
Total Chromium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Lead		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Selenium		mg/Kg	1.00	0.996	100	90 - 110	2007-08-20

Standard (CCV-1)

QC Batch: 40215 Date Analyzed: 2007-08-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.127	102	90 - 110	2007-08-20
Total Arsenic		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Barium		mg/Kg	1.00	1.02	102	90 - 110	2007-08-20

continued . . .

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Chromium		mg/Kg	1.00	1.01	101	90 - 110	2007-08-20
Total Lead		mg/Kg	1.00	0.997	100	90 - 110	2007-08-20
Total Selenium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20

7071819

P.O. BOX 363, Bldg 126, 3rd Floor, WSMR, NM 88002
Office: (505) 678-0263 Fax: (505) 678-6096

900

WES

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.

PROJECT NAME: POL ASTS

SAMPLER'S SIGNATURE

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH DRO	VOCs	SVOCs	REMARKS
7-17-07	1045	0213-CF-001-20.0	Soil	130271	1	X	X	X	
7-17-07	1050	0213-CF-002-15.0	Soil	272	1	X	X	X	
7-17-07	1055	0213-CF-003-15.0	Soil	273	1	X	X	X	
7-17-07	1045	0213-CF-101-20.0	Soil	274	1	X	X	X	
7-17-07	1210	0213-CF-004-15.0	Soil	275	1	X	X	X	
7-17-07	1230	0213-CF-005-15.0	Soil	276	1	X	X	X	
7-17-07	1300	0213-CF-006-20.0	Soil	277	1	X	X	X	
7-17-07	1315	0213-CF-EB-005-0707	Water	278	7	X	X	X	
7-17-07	1315	0213-TB-900-0707	Water	279	2		X		
		Temperature Blank	Water		1				Temperature Blank

130271 + 132274 label - lids do not match; assigned by jar label.

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS		(PRINTED NAME) GABRIEL GARCIA	(PRINTED NAME)	(PRINTED NAME) Sabrina Multer
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace
	GOOD CONDITION/CHILLED	4°	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 07/18/07 930
VIA: Fed EX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS / COMMENTS: Rush on TPH DRO - 1 day verbal Brad Davis (505) 993-6890		

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - ...

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: July 24, 2007

Work Order: 7070603

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
129147	0209-CF-006-25.0	soil	2007-07-02	14:50	2007-07-06
129148	0209-CF-007-15.0	soil	2007-07-03	09:57	2007-07-06
129149	0209-CF-008-25.0	soil	2007-07-03	11:05	2007-07-06
129150	0209-CF-009-15.0	soil	2007-07-03	11:07	2007-07-06

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 7 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-06 and assigned to work order 7070603. Samples for work order 7070603 were received intact without headspace and at a temperature of 3.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Total	S 6010B
As, Total	S 6010B
Ba, Total	S 6010B
Cd, Total	S 6010B
Cr, Total	S 6010B
Hg, Total	S 7471A
Pb, Total	S 6010B
Se, Total	S 6010B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7070603 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 129147 - 0209-CF-006-25.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40091	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40127	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**64.8**	mg/Kg	1	1.00
Total Cadmium		**0.749**	mg/Kg	1	0.200
Total Chromium		**4.28**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 129148 - 0209-CF-007-15.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40091	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40127	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**19.9**	mg/Kg	1	1.00
Total Cadmium		**0.555**	mg/Kg	1	0.200
Total Chromium		**7.67**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 129149 - 0209-CF-008-25.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40091	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40127	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**2.44**	mg/Kg	1	2.00
Total Barium		**20.5**	mg/Kg	1	1.00
Total Cadmium		**0.480**	mg/Kg	1	0.200
Total Chromium		**1.96**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 129150 - 0209-CF-009-15.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40091	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40127	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**109**	mg/Kg	1	1.00
Total Cadmium		**0.436**	mg/Kg	1	0.200
Total Chromium		**5.73**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Method Blank (1) QC Batch: 40091

QC Batch:	40091	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	QC Preparation:	2007-08-15	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00301	mg/Kg	0.04

Method Blank (1) QC Batch: 40127

QC Batch:	40127	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	QC Preparation:	2007-08-15	Prepared By:	KV

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.214	mg/Kg	0.05
Total Arsenic		<0.544	mg/Kg	2
Total Barium		<0.167	mg/Kg	1
Total Cadmium		<0.136	mg/Kg	0.1
Total Chromium		<0.0930	mg/Kg	0.5
Total Lead		<0.736	mg/Kg	1
Total Selenium		<1.31	mg/Kg	1

Laboratory Control Spike (LCS-1)

QC Batch: 40091 Date Analyzed: 2007-08-15 Analyzed By: TP
Prep Batch: 34688 QC Preparation: 2007-08-15 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.504	mg/Kg	1	0.500	<0.0301	101	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.508	mg/Kg	1	0.500	<0.0301	102	89.4 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40127 Date Analyzed: 2007-08-16 Analyzed By: RR
Prep Batch: 34687 QC Preparation: 2007-08-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.4	mg/Kg	1	12.5	<0.214	91	84.3 - 98.7
Total Arsenic	46.7	mg/Kg	1	50.0	<0.544	93	76.3 - 105
Total Barium	94.0	mg/Kg	1	100	<0.167	94	80.1 - 102
Total Cadmium	23.2	mg/Kg	1	25.0	<0.136	93	85 - 115
Total Chromium	9.84	mg/Kg	1	10.0	<0.0930	98	82.2 - 115
Total Lead	47.0	mg/Kg	1	50.0	<0.736	94	84 - 100
Total Selenium	39.4	mg/Kg	1	50.0	<1.31	79	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.5	mg/Kg	1	12.5	<0.214	92	84.3 - 98.7	1	20
Total Arsenic	46.4	mg/Kg	1	50.0	<0.544	93	76.3 - 105	1	20

continued . . .

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	92.5	mg/Kg	1	100	<0.167	92	80.1 - 102	2	20
Total Cadmium	23.1	mg/Kg	1	25.0	<0.136	92	85 - 115	0	20
Total Chromium	9.81	mg/Kg	1	10.0	<0.0930	98	82.2 - 115	0	20
Total Lead	46.2	mg/Kg	1	50.0	<0.736	92	84 - 100	2	20
Total Selenium	39.8	mg/Kg	1	50.0	<1.31	80	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128954

QC Batch: 40091 Date Analyzed: 2007-08-15 Analyzed By: TP
Prep Batch: 34688 QC Preparation: 2007-08-15 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.520	mg/Kg	1	0.500	<0.00301	104	80.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.520	mg/Kg	1	0.500	<0.00301	104	80.8 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128955

QC Batch: 40127 Date Analyzed: 2007-08-16 Analyzed By: RR
Prep Batch: 34687 QC Preparation: 2007-08-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.0	mg/Kg	1	12.5	<0.214	88	78.7 - 93.5
Total Arsenic	43.1	mg/Kg	1	50.0	2.1	82	75.8 - 105
Total Barium	157	mg/Kg	1	100	43.7	113	73.2 - 117
Total Cadmium	22.9	mg/Kg	1	25.0	0.754	88	75 - 112
Total Chromium	15.6	mg/Kg	1	10.0	5.57	100	66.9 - 128
Total Lead	49.3	mg/Kg	1	50.0	<0.736	99	67.4 - 102
Total Selenium	39.8	mg/Kg	1	50.0	<1.31	80	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	10.9	mg/Kg	1	12.5	<0.214	87	78.7 - 93.5	1	20
Total Arsenic	42.7	mg/Kg	1	50.0	2.1	81	75.8 - 105	1	20
Total Barium	155	mg/Kg	1	100	43.7	111	73.2 - 117	1	20
Total Cadmium	22.9	mg/Kg	1	25.0	0.754	88	75 - 112	0	20
Total Chromium	15.9	mg/Kg	1	10.0	5.57	103	66.9 - 128	2	20
Total Lead	49.6	mg/Kg	1	50.0	<0.736	99	67.4 - 102	1	20
Total Selenium	39.2	mg/Kg	1	50.0	<1.31	78	75 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 40091 Date Analyzed: 2007-08-15 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00505	101	90 - 110	2007-08-15

Standard (CCV-1)

QC Batch: 40091 Date Analyzed: 2007-08-15 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00534	107	80 - 120	2007-08-15

Standard (ICV-1)

QC Batch: 40127 Date Analyzed: 2007-08-16 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.124	99	90 - 110	2007-08-16
Total Arsenic		mg/Kg	1.00	0.968	97	95 - 105	2007-08-16
Total Barium		mg/Kg	1.00	1.01	101	95 - 105	2007-08-16
Total Cadmium		mg/Kg	1.00	0.992	99	95 - 105	2007-08-16
Total Chromium		mg/Kg	1.00	0.994	99	90 - 110	2007-08-16
Total Lead		mg/Kg	1.00	0.997	100	90 - 110	2007-08-16
Total Selenium		mg/Kg	1.00	0.980	98	90 - 110	2007-08-16

Standard (CCV-1)

QC Batch: 40127 Date Analyzed: 2007-08-16 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.123	98	90 - 110	2007-08-16
Total Arsenic		mg/Kg	1.00	0.981	98	90 - 110	2007-08-16
Total Barium		mg/Kg	1.00	0.979	98	90 - 110	2007-08-16
Total Cadmium		mg/Kg	1.00	1.01	101	90 - 110	2007-08-16
Total Chromium		mg/Kg	1.00	0.994	99	90 - 110	2007-08-16
Total Lead		mg/Kg	1.00	1.01	101	90 - 110	2007-08-16
Total Selenium		mg/Kg	1.00	0.970	97	90 - 110	2007-08-16

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 23, 2007

Work Order: 7070218

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
128951	0209-CF-001-32.0	soil	2007-06-28	15:00	2007-06-30
128952	0209-CF-002-30.0	soil	2007-06-29	11:00	2007-06-30
128953	0209-CF-003-20.0	soil	2007-06-29	13:15	2007-06-30
128954	0209-CF-004-20.0	soil	2007-06-29	14:00	2007-06-30
128955	0209-CF-104-20.0	soil	2007-06-29	14:00	2007-06-30
128956	0209-CF-005-10.0	soil	2007-06-29	14:10	2007-06-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 11 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-06-30 and assigned to work order 7070218. Samples for work order 7070218 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Total	S 6010B
As, Total	S 6010B
Ba, Total	S 6010B
Cd, Total	S 6010B
Cr, Total	S 6010B
Hg, Total	S 7471A
Pb, Total	S 6010B
Se, Total	S 6010B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7070218 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 128951 - 0209-CF-001-32.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40090	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40126	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**11.2**	mg/Kg	1	1.00
Total Cadmium		<0.200	mg/Kg	1	0.200
Total Chromium		**2.02**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 128952 - 0209-CF-002-30.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40090	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40126	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**49.1**	mg/Kg	1	1.00
Total Cadmium		<0.200	mg/Kg	1	0.200
Total Chromium		**2.71**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 128953 - 0209-CF-003-20.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40090	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40126	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**175**	mg/Kg	1	1.00
Total Cadmium		**0.711**	mg/Kg	1	0.200
Total Chromium		**8.72**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 128954 - 0209-CF-004-20.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40091	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40126	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**48.0**	mg/Kg	1	1.00
Total Cadmium		**0.719**	mg/Kg	1	0.200
Total Chromium		**5.66**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 128955 - 0209-CF-104-20.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40091	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40127	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**2.10**	mg/Kg	1	2.00
Total Barium		**43.7**	mg/Kg	1	1.00
Total Cadmium		**0.754**	mg/Kg	1	0.200
Total Chromium		**5.57**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 128956 - 0209-CF-005-10.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40091	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40127	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**40.7**	mg/Kg	1	1.00
Total Cadmium		**0.382**	mg/Kg	1	0.200
Total Chromium		**4.63**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Method Blank (1) QC Batch: 40090

QC Batch:	40090	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	QC Preparation:	2007-08-15	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00301	mg/Kg	0.04

Method Blank (1) QC Batch: 40091

QC Batch:	40091	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	QC Preparation:	2007-08-15	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00301	mg/Kg	0.04

Method Blank (1) QC Batch: 40126

QC Batch:	40126	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	QC Preparation:	2007-08-15	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.214	mg/Kg	0.05
Total Arsenic		<0.544	mg/Kg	2

continued ...

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.167	mg/Kg	1
Total Cadmium		<0.136	mg/Kg	0.1
Total Chromium		<0.0930	mg/Kg	0.5
Total Lead		<0.736	mg/Kg	1
Total Selenium		<1.31	mg/Kg	1

Method Blank (1) QC Batch: 40127

QC Batch:	40127	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	QC Preparation:	2007-08-15	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.214	mg/Kg	0.05
Total Arsenic		<0.544	mg/Kg	2
Total Barium		<0.167	mg/Kg	1
Total Cadmium		<0.136	mg/Kg	0.1
Total Chromium		<0.0930	mg/Kg	0.5
Total Lead		<0.736	mg/Kg	1
Total Selenium		<1.31	mg/Kg	1

Laboratory Control Spike (LCS-1)

QC Batch:	40090	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	QC Preparation:	2007-08-15	Prepared By:	TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.504	mg/Kg	1	0.500	<0.0301	101	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.508	mg/Kg	1	0.500	<0.0301	102	89.4 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch:	40091	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	QC Preparation:	2007-08-15	Prepared By:	TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.504	mg/Kg	1	0.500	<0.0301	101	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.508	mg/Kg	1	0.500	<0.0301	102	89.4 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40126 Date Analyzed: 2007-08-16 Analyzed By: RR
Prep Batch: 34687 QC Preparation: 2007-08-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.4	mg/Kg	1	12.5	<0.214	91	84.3 - 98.7
Total Arsenic	46.7	mg/Kg	1	50.0	<0.544	93	76.3 - 105
Total Barium	94.0	mg/Kg	1	100	<0.167	94	80.1 - 102
Total Cadmium	23.2	mg/Kg	1	25.0	<0.136	93	85 - 115
Total Chromium	9.84	mg/Kg	1	10.0	<0.0930	98	82.2 - 115
Total Lead	47.0	mg/Kg	1	50.0	<0.736	94	84 - 100
Total Selenium	39.4	mg/Kg	1	50.0	<1.31	79	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.5	mg/Kg	1	12.5	<0.214	92	84.3 - 98.7	1	20
Total Arsenic	46.4	mg/Kg	1	50.0	<0.544	93	76.3 - 105	1	20
Total Barium	92.5	mg/Kg	1	100	<0.167	92	80.1 - 102	2	20
Total Cadmium	23.1	mg/Kg	1	25.0	<0.136	92	85 - 115	0	20
Total Chromium	9.81	mg/Kg	1	10.0	<0.0930	98	82.2 - 115	0	20
Total Lead	46.2	mg/Kg	1	50.0	<0.736	92	84 - 100	2	20
Total Selenium	39.8	mg/Kg	1	50.0	<1.31	80	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40127 Date Analyzed: 2007-08-16 Analyzed By: RR
Prep Batch: 34687 QC Preparation: 2007-08-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.4	mg/Kg	1	12.5	<0.214	91	84.3 - 98.7
Total Arsenic	46.7	mg/Kg	1	50.0	<0.544	93	76.3 - 105
Total Barium	94.0	mg/Kg	1	100	<0.167	94	80.1 - 102
Total Cadmium	23.2	mg/Kg	1	25.0	<0.136	93	85 - 115
Total Chromium	9.84	mg/Kg	1	10.0	<0.0930	98	82.2 - 115
Total Lead	47.0	mg/Kg	1	50.0	<0.736	94	84 - 100
Total Selenium	39.4	mg/Kg	1	50.0	<1.31	79	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.5	mg/Kg	1	12.5	<0.214	92	84.3 - 98.7	1	20
Total Arsenic	46.4	mg/Kg	1	50.0	<0.544	93	76.3 - 105	1	20
Total Barium	92.5	mg/Kg	1	100	<0.167	92	80.1 - 102	2	20
Total Cadmium	23.1	mg/Kg	1	25.0	<0.136	92	85 - 115	0	20
Total Chromium	9.81	mg/Kg	1	10.0	<0.0930	98	82.2 - 115	0	20
Total Lead	46.2	mg/Kg	1	50.0	<0.736	92	84 - 100	2	20
Total Selenium	39.8	mg/Kg	1	50.0	<1.31	80	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 133057

QC Batch: 40090 Date Analyzed: 2007-08-15 Analyzed By: TP
Prep Batch: 34688 QC Preparation: 2007-08-15 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.522	mg/Kg	1	0.500	0.0192	100	80.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.523	mg/Kg	1	0.500	0.0192	101	80.8 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128954

QC Batch: 40091 Date Analyzed: 2007-08-15 Analyzed By: TP
Prep Batch: 34688 QC Preparation: 2007-08-15 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.520	mg/Kg	1	0.500	<0.00301	104	80.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.520	mg/Kg	1	0.500	<0.00301	104	80.8 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128605

QC Batch: 40126 Date Analyzed: 2007-08-16 Analyzed By: RR
Prep Batch: 34687 QC Preparation: 2007-08-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.1	mg/Kg	1	12.5	<0.214	89	78.7 - 93.5
Total Arsenic	43.1	mg/Kg	1	50.0	<0.544	86	75.8 - 105
Total Barium	147	mg/Kg	1	100	58.5	88	73.2 - 117
Total Cadmium	21.1	mg/Kg	1	25.0	0.432	83	75 - 112
Total Chromium	17.8	mg/Kg	1	10.0	8.57	92	66.9 - 128
Total Lead [1]	51.3	mg/Kg	1	50.0	<0.736	103	67.4 - 102
Total Selenium	39.1	mg/Kg	1	50.0	<1.31	78	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.5	mg/Kg	1	12.5	<0.214	92	78.7 - 93.5	4	20
Total Arsenic	43.6	mg/Kg	1	50.0	<0.544	87	75.8 - 105	1	20
Total Barium	147	mg/Kg	1	100	58.5	88	73.2 - 117	0	20
Total Cadmium	21.5	mg/Kg	1	25.0	0.432	84	75 - 112	2	20
Total Chromium	18.4	mg/Kg	1	10.0	8.57	98	66.9 - 128	3	20
Total Lead [2]	51.5	mg/Kg	1	50.0	<0.736	103	67.4 - 102	0	20
Total Selenium	39.3	mg/Kg	1	50.0	<1.31	79	75 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128955

QC Batch: 40127 Date Analyzed: 2007-08-16 Analyzed By: RR
Prep Batch: 34687 QC Preparation: 2007-08-15 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.0	mg/Kg	1	12.5	<0.214	88	78.7 - 93.5
Total Arsenic	43.1	mg/Kg	1	50.0	2.1	82	75.8 - 105
Total Barium	157	mg/Kg	1	100	43.7	113	73.2 - 117
Total Cadmium	22.9	mg/Kg	1	25.0	0.754	88	75 - 112
Total Chromium	15.6	mg/Kg	1	10.0	5.57	100	66.9 - 128
Total Lead	49.3	mg/Kg	1	50.0	<0.736	99	67.4 - 102
Total Selenium	39.8	mg/Kg	1	50.0	<1.31	80	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	10.9	mg/Kg	1	12.5	<0.214	87	78.7 - 93.5	1	20
Total Arsenic	42.7	mg/Kg	1	50.0	2.1	81	75.8 - 105	1	20
Total Barium	155	mg/Kg	1	100	43.7	111	73.2 - 117	1	20
Total Cadmium	22.9	mg/Kg	1	25.0	0.754	88	75 - 112	0	20
Total Chromium	15.9	mg/Kg	1	10.0	5.57	103	66.9 - 128	2	20
Total Lead	49.6	mg/Kg	1	50.0	<0.736	99	67.4 - 102	1	20
Total Selenium	39.2	mg/Kg	1	50.0	<1.31	78	75 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[1] Recovery within method limits but outside control chart limits. •
[2] Recovery within method limits but outside control chart limits. •

Standard (ICV-1)

QC Batch: 40090 Date Analyzed: 2007-08-15 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00505	101	90 - 110	2007-08-15

Standard (CCV-1)

QC Batch: 40090 Date Analyzed: 2007-08-15 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00530	106	80 - 120	2007-08-15

Standard (ICV-1)

QC Batch: 40091 Date Analyzed: 2007-08-15 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00505	101	90 - 110	2007-08-15

Standard (CCV-1)

QC Batch: 40091 Date Analyzed: 2007-08-15 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00534	107	80 - 120	2007-08-15

Standard (ICV-1)

QC Batch: 40126 Date Analyzed: 2007-08-16 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.124	99	90 - 110	2007-08-16
Total Arsenic		mg/Kg	1.00	0.968	97	95 - 105	2007-08-16
Total Barium		mg/Kg	1.00	1.01	101	95 - 105	2007-08-16
Total Cadmium		mg/Kg	1.00	0.992	99	95 - 105	2007-08-16
Total Chromium		mg/Kg	1.00	0.994	99	90 - 110	2007-08-16
Total Lead		mg/Kg	1.00	0.997	100	90 - 110	2007-08-16
Total Selenium		mg/Kg	1.00	0.980	98	90 - 110	2007-08-16

Standard (CCV-1)

QC Batch: 40126 Date Analyzed: 2007-08-16 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.125	100	90 - 110	2007-08-16
Total Arsenic		mg/Kg	1.00	1.00	100	90 - 110	2007-08-16
Total Barium		mg/Kg	1.00	1.01	101	90 - 110	2007-08-16
Total Cadmium		mg/Kg	1.00	1.04	104	90 - 110	2007-08-16
Total Chromium		mg/Kg	1.00	1.02	102	90 - 110	2007-08-16
Total Lead		mg/Kg	1.00	1.03	103	90 - 110	2007-08-16
Total Selenium		mg/Kg	1.00	0.998	100	90 - 110	2007-08-16

Standard (ICV-1)

QC Batch: 40127 Date Analyzed: 2007-08-16 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.124	99	90 - 110	2007-08-16
Total Arsenic		mg/Kg	1.00	0.968	97	95 - 105	2007-08-16
Total Barium		mg/Kg	1.00	1.01	101	95 - 105	2007-08-16
Total Cadmium		mg/Kg	1.00	0.992	99	95 - 105	2007-08-16
Total Chromium		mg/Kg	1.00	0.994	99	90 - 110	2007-08-16
Total Lead		mg/Kg	1.00	0.997	100	90 - 110	2007-08-16
Total Selenium		mg/Kg	1.00	0.980	98	90 - 110	2007-08-16

Standard (CCV-1)

QC Batch: 40127 Date Analyzed: 2007-08-16 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.123	98	90 - 110	2007-08-16
Total Arsenic		mg/Kg	1.00	0.981	98	90 - 110	2007-08-16
Total Barium		mg/Kg	1.00	0.979	98	90 - 110	2007-08-16
Total Cadmium		mg/Kg	1.00	1.01	101	90 - 110	2007-08-16
Total Chromium		mg/Kg	1.00	0.994	99	90 - 110	2007-08-16
Total Lead		mg/Kg	1.00	1.01	101	90 - 110	2007-08-16
Total Selenium		mg/Kg	1.00	0.970	97	90 - 110	2007-08-16

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CHAIN OF CUSTODY RECORD

PROJECT NO.: 45

PROJECT NAME: POL ASTS

SAMPLER'S SIGNATURE:

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH VOC/SVOC	TPH/DRO								REMARKS
6-28-07	1500	0209-CF-001-32.0	SOIL	128951	1	X									
6-28-07	1100	0209-CF-002-30.0	SOIL	952	1		X								
		TEMPERATURE BLANK	WATER		1										TEMP. BLANK
6-29-07	1315	0209-CF-003-20.0	Soil	953	1	X									
6-29-07	1400	0209-CF-004-20.0	SOIL	954	1	X									
6-29-07	1400	0209-CF-104-20.0	SOIL	955	1	X									
6-29-07	1410	0209-CF-005-10.0	SOIL	956	1		X								

ANALYSIS REQUESTED

PROJECT INFORMATION

PROJECT MANAGER: Brad Davis

SHIPPING ID NO.:

VIA: FED-EX

SAMPLES RECEIVED:

TOTAL NO. OF CONTAINERS:

CHAIN OF CUSTODY SEALS:

GOOD CONDITION/COLD:

CONFORMS TO RECORD:

1. RELINQUISHED BY: (SIGNATURE)
(PRINTED NAME) GABRIEL GARCIA
RECEIVED BY: (SIGNATURE)
(TIME/DATE)

2. RELINQUISHED BY: (SIGNATURE)
(PRINTED NAME)
RECEIVED BY: (SIGNATURE)
(TIME/DATE)

3. RECEIVED BY LAB: (SIGNATURE)
(PRINTED NAME) Emily
(COMPANY) Trace Analysis
(TIME/DATE) 11:00 6-30-07

SPECIAL INSTRUCTIONS/COMMENTS: BRAD DAVIS
TPH DRO RUSH TURNAROUND 1 day VERBAL (505) 993-6890

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: July 24, 2007

Work Order: 7071016

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
129380	0166-CF-003-20.0	soil	2007-07-09	10:45	2007-07-10
129381	0166-CF-004-20.0	soil	2007-07-09	10:50	2007-07-10
129382	0166-CF-104-20.0	soil	2007-07-09	10:50	2007-07-10
129383	0166-CF-005-20.0	soil	2007-07-09	11:20	2007-07-10
129384	0166-CF-006-15.0	soil	2007-07-09	11:25	2007-07-10

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 8 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-07-10 and assigned to work order 7071016. Samples for work order 7071016 were received intact at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Total	S 6010B
As, Total	S 6010B
Ba, Total	S 6010B
Cd, Total	S 6010B
Cr, Total	S 6010B
Hg, Total	S 7471A
Pb, Total	S 6010B
Se, Total	S 6010B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7071016 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 129380 - 0166-CF-003-20.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40186	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40213	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**29.0**	mg/Kg	1	1.00
Total Cadmium		<0.200	mg/Kg	1	0.200
Total Chromium		**1.97**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 129381 - 0166-CF-004-20.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40186	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40213	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**420**	mg/Kg	1	1.00
Total Cadmium		**0.425**	mg/Kg	1	0.200
Total Chromium		**8.40**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 129382 - 0166-CF-104-20.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40186	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40213	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**340**	mg/Kg	10	1.00
Total Cadmium		**0.373**	mg/Kg	1	0.200
Total Chromium		**7.67**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 129383 - 0166-CF-005-20.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40186	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40213	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**48.9**	mg/Kg	1	1.00
Total Cadmium		**0.202**	mg/Kg	1	0.200
Total Chromium		**4.77**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 129384 - 0166-CF-006-15.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40186	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	Sample Preparation:	2007-08-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40213	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	Sample Preparation:	2007-08-17	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**23.7**	mg/Kg	1	1.00
Total Cadmium		<0.200	mg/Kg	1	0.200
Total Chromium		**0.896**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Method Blank (1) QC Batch: 40186

QC Batch:	40186	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	QC Preparation:	2007-08-17	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00301	mg/Kg	0.04

Method Blank (1) QC Batch: 40213

QC Batch:	40213	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	QC Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.214	mg/Kg	0.05
Total Arsenic		<0.544	mg/Kg	2
Total Barium		<0.167	mg/Kg	1
Total Cadmium		<0.136	mg/Kg	0.1
Total Chromium		<0.0930	mg/Kg	0.5
Total Lead		<0.736	mg/Kg	1
Total Selenium		<1.31	mg/Kg	1

Laboratory Control Spike (LCS-1)

QC Batch:	40186	Date Analyzed:	2007-08-17	Analyzed By:	TP
Prep Batch:	34770	QC Preparation:	2007-08-17	Prepared By:	TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.533	mg/Kg	1	0.500	<0.0301	107	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.509	mg/Kg	1	0.500	<0.0301	102	89.4 - 115	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch:	40213	Date Analyzed:	2007-08-20	Analyzed By:	RR
Prep Batch:	34751	QC Preparation:	2007-08-16	Prepared By:	KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	10.6	mg/Kg	1	12.5	<0.214	85	84.3 - 98.7

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	43.1	mg/Kg	1	50.0	<0.544	86	76.3 - 105
Total Barium	89.2	mg/Kg	1	100	<0.167	89	80.1 - 102
Total Cadmium	21.3	mg/Kg	1	25.0	<0.136	85	85 - 115
Total Chromium	9.29	mg/Kg	1	10.0	<0.0930	93	82.2 - 115
Total Lead	43.8	mg/Kg	1	50.0	<0.736	88	84 - 100
Total Selenium	39.3	mg/Kg	1	50.0	<1.31	79	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	10.9	mg/Kg	1	12.5	<0.214	87	84.3 - 98.7	3	20
Total Arsenic	44.6	mg/Kg	1	50.0	<0.544	89	76.3 - 105	3	20
Total Barium	83.5	mg/Kg	1	100	<0.167	84	80.1 - 102	7	20
Total Cadmium	22.2	mg/Kg	1	25.0	<0.136	89	85 - 115	4	20
Total Chromium	8.93	mg/Kg	1	10.0	<0.0930	89	82.2 - 115	4	20
Total Lead	44.2	mg/Kg	1	50.0	<0.736	88	84 - 100	1	20
Total Selenium	40.1	mg/Kg	1	50.0	<1.31	80	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 129302

QC Batch: 40186 Date Analyzed: 2007-08-17 Analyzed By: TP
Prep Batch: 34770 QC Preparation: 2007-08-17 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.573	mg/Kg	1	0.500	<0.00301	115	80.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.508	mg/Kg	1	0.500	<0.00301	102	80.8 - 115	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 129380

QC Batch: 40213 Date Analyzed: 2007-08-20 Analyzed By: RR
Prep Batch: 34751 QC Preparation: 2007-08-16 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	10.9	mg/Kg	1	12.5	<0.214	87	78.7 - 93.5
Total Arsenic	41.5	mg/Kg	1	50.0	<0.544	83	75.8 - 105
Total Barium	114	mg/Kg	1	100	29	85	73.2 - 117
Total Cadmium	20.2	mg/Kg	1	25.0	<0.136	81	75 - 112
Total Chromium	10.6	mg/Kg	1	10.0	1.97	86	66.9 - 128
Total Lead	44.9	mg/Kg	1	50.0	<0.736	90	67.4 - 102

continued ...

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	39.4	mg/Kg	1	50.0	<1.31	79	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.2	mg/Kg	1	12.5	<0.214	90	78.7 - 93.5	3	20
Total Arsenic	43.9	mg/Kg	1	50.0	<0.544	88	75.8 - 105	6	20
Total Barium	124	mg/Kg	1	100	29	95	73.2 - 117	8	20
Total Cadmium	21.1	mg/Kg	1	25.0	<0.136	84	75 - 112	4	20
Total Chromium	11.3	mg/Kg	1	10.0	1.97	93	66.9 - 128	6	20
Total Lead	45.7	mg/Kg	1	50.0	<0.736	91	67.4 - 102	2	20
Total Selenium	40.0	mg/Kg	1	50.0	<1.31	80	75 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 40186 Date Analyzed: 2007-08-17 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00504	101	90 - 110	2007-08-17

Standard (CCV-1)

QC Batch: 40186 Date Analyzed: 2007-08-17 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00517	103	80 - 120	2007-08-17

Standard (ICV-1)

QC Batch: 40213 Date Analyzed: 2007-08-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.125	100	90 - 110	2007-08-20
Total Arsenic		mg/Kg	1.00	0.994	99	95 - 105	2007-08-20
Total Barium		mg/Kg	1.00	1.02	102	95 - 105	2007-08-20
Total Cadmium		mg/Kg	1.00	1.00	100	95 - 105	2007-08-20
Total Chromium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Lead		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Selenium		mg/Kg	1.00	0.996	100	90 - 110	2007-08-20

Standard (CCV-1)

QC Batch: 40213 Date Analyzed: 2007-08-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.127	102	90 - 110	2007-08-20
Total Arsenic		mg/Kg	1.00	0.994	99	90 - 110	2007-08-20
Total Barium		mg/Kg	1.00	1.04	104	90 - 110	2007-08-20
Total Cadmium		mg/Kg	1.00	0.995	100	90 - 110	2007-08-20
Total Chromium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-20
Total Lead		mg/Kg	1.00	0.998	100	90 - 110	2007-08-20
Total Selenium		mg/Kg	1.00	1.01	101	90 - 110	2007-08-20

10 11016

899

P.O. BOX 363, Bldg 126, 3rd Floor, WSMR, NM 88002
Office: (505) 678-0263 Fax: (505) 678-6096

WTS

CHAIN OF CUSTODY RECORD

PROJECT NO. 45

PROJECT NAME POL ASTs

SAMPLER'S SIGNATURE Brady T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH DRO	VOCs	SVOCs								REMARKS
7-9-07	1045	0166-CF-003-20.0	Soil	129380	1	X	X	X								
7-9-07	1050	0166-CF-004-20.0	Soil	381	1	X	X	X								
7-9-07	1050	0166-CF-104-20.0	Soil	382	1	X	X	X								
7-9-07	1120	0166-CF-005-20.0	Soil	383	1	X	X	X								
7-9-07	1125	0166-CF-006-15.0	Soil	384	1	X	X	X								
7-9-07	1140	0166-EB-004-0707	Water	385	7	X	X	X								
7-9-07	1140	0166-TB-899-0707	Water	386	2		X									
		Temperature Blank	Water		1											Temperature Blank

PROJECT INFORMATION			1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	SAMPLES RECEIVED	✓	Brady T. Davis		
	TOTAL NO. OF CONTAINERS	14	(PRINTED NAME) Bradley T. Davis	(PRINTED NAME)	(PRINTED NAME) Sabrina Multu
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	✓	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) Trace Analysis
	GOOD CONDITION/CHILLED	2°	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 071207 945
VIA: Fed EX	CONFORMS TO RECORD	✓	SPECIAL INSTRUCTIONS / COMMENTS:	Rush on TPH DRO - 1 day verbal Brad Davis - (505) 993-6890	

PLEASE USE BLACK INK PEN Fedex 8520890135 DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

Analytical and Quality Control Report

William Little
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: June 28, 2007

Work Order: 7062702

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
128604	0211-CF-001-10.0	soil	2007-06-25	14:50	2007-06-27
128605	0211-CF-002-10.0	soil	2007-06-25	15:00	2007-06-27
128606	0211-CF-003-10.0	soil	2007-06-25	15:05	2007-06-27
128607	0211-CF-004-10.0	soil	2007-06-25	15:10	2007-06-27
128608	0211-CF-005-14.0	soil	2007-06-25	15:15	2007-06-27
128609	0211-CF-105-14.0	soil	2007-06-25	15:15	2007-06-27

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 8 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-06-27 and assigned to work order 7062702. Samples for work order 7062702 were received intact without headspace and at a temperature of 4.0 deg.C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Total	S 6010B
As, Total	S 6010B
Ba, Total	S 6010B
Cd, Total	S 6010B
Cr, Total	S 6010B
Hg, Total	S 7471A
Pb, Total	S 6010B
Se, Total	S 6010B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7062702 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 128604 - 0211-CF-001-10.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40090	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40126	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**40.9**	mg/Kg	1	1.00
Total Cadmium		<0.200	mg/Kg	1	0.200
Total Chromium		**2.72**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 128605 - 0211-CF-002-10.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40090	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40126	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**58.5**	mg/Kg	1	1.00
Total Cadmium		**0.432**	mg/Kg	1	0.200
Total Chromium		**8.57**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 128606 - 0211-CF-003-10.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40090	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40126	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**66.7**	mg/Kg	1	1.00
Total Cadmium		**0.430**	mg/Kg	1	0.200
Total Chromium		**9.12**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 128607 - 0211-CF-004-10.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40090	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40126	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**2.83**	mg/Kg	1	2.00
Total Barium		**78.4**	mg/Kg	1	1.00
Total Cadmium		**0.543**	mg/Kg	1	0.200
Total Chromium		**8.60**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 128608 - 0211-CF-005-14.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40090	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40126	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**4.72**	mg/Kg	1	2.00
Total Barium		**140**	mg/Kg	1	1.00
Total Cadmium		**0.767**	mg/Kg	1	0.200
Total Chromium		**10.4**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 128609 - 0211-CF-105-14.0

Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40090	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	Sample Preparation:	2007-08-15	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40126	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	Sample Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**4.31**	mg/Kg	1	2.00
Total Barium		**140**	mg/Kg	1	1.00
Total Cadmium		**0.759**	mg/Kg	1	0.200
Total Chromium		**10.4**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Method Blank (1) QC Batch: 40090

QC Batch:	40090	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	QC Preparation:	2007-08-15	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00301	mg/Kg	0.04

Method Blank (1) QC Batch: 40126

QC Batch:	40126	Date Analyzed:	2007-08-16	Analyzed By:	RR
Prep Batch:	34687	QC Preparation:	2007-08-15	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.214	mg/Kg	0.05
Total Arsenic		<0.544	mg/Kg	2
Total Barium		<0.167	mg/Kg	1
Total Cadmium		<0.136	mg/Kg	0.1
Total Chromium		<0.0930	mg/Kg	0.5
Total Lead		<0.736	mg/Kg	1
Total Selenium		<1.31	mg/Kg	1

Laboratory Control Spike (LCS-1)

QC Batch:	40090	Date Analyzed:	2007-08-15	Analyzed By:	TP
Prep Batch:	34688	QC Preparation:	2007-08-15	Prepared By:	TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.504	mg/Kg	1	0.500	<0.0301	101	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.508	mg/Kg	1	0.500	<0.0301	102	89.4 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40126 Date Analyzed: 2007-08-16 Analyzed By: RR
Prep Batch: 34687 QC Preparation: 2007-08-15 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.4	mg/Kg	1	12.5	<0.214	91	84.3 - 98.7
Total Arsenic	46.7	mg/Kg	1	50.0	<0.544	93	76.3 - 105
Total Barium	94.0	mg/Kg	1	100	<0.167	94	80.1 - 102
Total Cadmium	23.2	mg/Kg	1	25.0	<0.136	93	85 - 115
Total Chromium	9.84	mg/Kg	1	10.0	<0.0930	98	82.2 - 115
Total Lead	47.0	mg/Kg	1	50.0	<0.736	94	84 - 100
Total Selenium	39.4	mg/Kg	1	50.0	<1.31	79	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.5	mg/Kg	1	12.5	<0.214	92	84.3 - 98.7	1	20
Total Arsenic	46.4	mg/Kg	1	50.0	<0.544	93	76.3 - 105	1	20
Total Barium	92.5	mg/Kg	1	100	<0.167	92	80.1 - 102	2	20
Total Cadmium	23.1	mg/Kg	1	25.0	<0.136	92	85 - 115	0	20
Total Chromium	9.81	mg/Kg	1	10.0	<0.0930	98	82.2 - 115	0	20
Total Lead	46.2	mg/Kg	1	50.0	<0.736	92	84 - 100	2	20
Total Selenium	39.8	mg/Kg	1	50.0	<1.31	80	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 133057

QC Batch: 40090 Date Analyzed: 2007-08-15 Analyzed By: TP
Prep Batch: 34688 QC Preparation: 2007-08-15 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.522	mg/Kg	1	0.500	0.0192	100	80.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.523	mg/Kg	1	0.500	0.0192	101	80.8 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128605

QC Batch: 40126 Date Analyzed: 2007-08-16 Analyzed By: RR
Prep Batch: 34687 QC Preparation: 2007-08-15 Prepared By: KV

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver		11.1	mg/Kg	1	12.5	<0.214	89	78.7 - 93.5
Total Arsenic		43.1	mg/Kg	1	50.0	<0.544	86	75.8 - 105
Total Barium		147	mg/Kg	1	100	58.5	88	73.2 - 117
Total Cadmium		21.1	mg/Kg	1	25.0	0.432	83	75 - 112
Total Chromium		17.8	mg/Kg	1	10.0	8.57	92	66.9 - 128
Total Lead	[1]	51.3	mg/Kg	1	50.0	<0.736	103	67.4 - 102
Total Selenium		39.1	mg/Kg	1	50.0	<1.31	78	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver		11.5	mg/Kg	1	12.5	<0.214	92	78.7 - 93.5	4	20
Total Arsenic		43.6	mg/Kg	1	50.0	<0.544	87	75.8 - 105	1	20
Total Barium		147	mg/Kg	1	100	58.5	88	73.2 - 117	0	20
Total Cadmium		21.5	mg/Kg	1	25.0	0.432	84	75 - 112	2	20
Total Chromium		18.4	mg/Kg	1	10.0	8.57	98	66.9 - 128	3	20
Total Lead	[2]	51.5	mg/Kg	1	50.0	<0.736	103	67.4 - 102	0	20
Total Selenium		39.3	mg/Kg	1	50.0	<1.31	79	75 - 117	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 40090 Date Analyzed: 2007-08-15 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00505	101	90 - 110	2007-08-15

Standard (CCV-1)

QC Batch: 40090 Date Analyzed: 2007-08-15 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00530	106	80 - 120	2007-08-15

[1] Recovery within method limits but outside control chart limits. •
[2] Recovery within method limits but outside control chart limits. •

Standard (ICV-1)

QC Batch: 40126 Date Analyzed: 2007-08-16 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.124	99	90 - 110	2007-08-16
Total Arsenic		mg/Kg	1.00	0.968	97	95 - 105	2007-08-16
Total Barium		mg/Kg	1.00	1.01	101	95 - 105	2007-08-16
Total Cadmium		mg/Kg	1.00	0.992	99	95 - 105	2007-08-16
Total Chromium		mg/Kg	1.00	0.994	99	90 - 110	2007-08-16
Total Lead		mg/Kg	1.00	0.997	100	90 - 110	2007-08-16
Total Selenium		mg/Kg	1.00	0.980	98	90 - 110	2007-08-16

Standard (CCV-1)

QC Batch: 40126 Date Analyzed: 2007-08-16 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.125	100	90 - 110	2007-08-16
Total Arsenic		mg/Kg	1.00	1.00	100	90 - 110	2007-08-16
Total Barium		mg/Kg	1.00	1.01	101	90 - 110	2007-08-16
Total Cadmium		mg/Kg	1.00	1.04	104	90 - 110	2007-08-16
Total Chromium		mg/Kg	1.00	1.02	102	90 - 110	2007-08-16
Total Lead		mg/Kg	1.00	1.03	103	90 - 110	2007-08-16
Total Selenium		mg/Kg	1.00	0.998	100	90 - 110	2007-08-16

Brad Davis / day Verbal (505) 715-6810

7062702

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WTS

#895

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.: 45

PROJECT NAME: POL ASTs

SAMPLER'S SIGNATURE: Brady T. Davis

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	VOCs	SVOCs	TPH DRO							REMARKS
6-25-07	1450	0211-CF-001-10.0	Soil	128604	1	X	X	X							
6-25-07	1500	0211-CF-002-10.0	Soil	605	1	X	X	X							
6-25-07	1505	0211-CF-003-10.0	Soil	606	1	X	X	X							
6-25-07	1510	0211-CF-004-10.0	Soil	607	1	X	X	X							
6-25-07	1515	0211-CF-005-14.0	Soil	608	1	X	X	X							
6-25-07	1515	0211-CF-105-14.0	Soil	609	1	X	X	X							
6-25-07	1530	0211-EB-001-0607	~~So~~ Water	610	7	X	X	X							
6-25-07	1530	0211-TB-895-0607	Water	611	2	X									Trip Blank
		Temperature Blank	Water		1										Temp Blank.

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS	Brady T. Davis (PRINTED NAME) Bradley T. Davis	(PRINTED NAME)	Brenda Ward (PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS	RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY)
	GOOD CONDITION/CHILLED	(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 6/27/07 8:49
VIA: FedEX	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS/COMMENTS: N/A	TPH DRO - Rush Turnaround	

Analytical and Quality Control Report

Brad Davis
WTS
P.O. Box 363
Building 126 3RD Floor
WSMR, NM, 88002

Report Date: August 23, 2007

Work Order: 7080202

Project Name: POL ASTS
Project Number: 45

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
131676	0207-CF-001-6.0	soil	2007-07-31	16:50	2007-08-02
131677	0207-CF-003-6.0	soil	2007-07-31	17:07	2007-08-02
131678	0207-CF-002-6.0	soil	2007-07-31	17:00	2007-08-02
131679	0204-CF-007-10.0	soil	2007-07-31	10:20	2007-08-02
131680	0207-CF-004-8.0	soil	2007-07-31	17:50	2007-08-02
131681	0207-CF-005-8.0	soil	2007-07-31	18:00	2007-08-02
131682	0207-CF-006-9.0	soil	2007-07-31	18:05	2007-08-02
131683	0207-CF-106-9.0	soil	2007-07-31	18:05	2007-08-02

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 10 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project POL ASTS were received by TraceAnalysis, Inc. on 2007-08-02 and assigned to work order 7080202. Samples for work order 7080202 were received intact without headspace and at a temperature of 4.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Ag, Total	S 6010B
As, Total	S 6010B
Ba, Total	S 6010B
Cd, Total	S 6010B
Cr, Total	S 6010B
Hg, Total	S 7471A
Pb, Total	S 6010B
Se, Total	S 6010B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7080202 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 131676 - 0207-CF-001-6.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40163	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40337	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**103**	mg/Kg	1	1.00
Total Cadmium		**2.08**	mg/Kg	1	0.200
Total Chromium		**27.6**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131677 - 0207-CF-003-6.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40163	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40338	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34888	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**38.9**	mg/Kg	1	1.00
Total Cadmium		**2.13**	mg/Kg	1	0.200
Total Chromium		**28.1**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131678 - 0207-CF-002-6.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40163	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40338	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34888	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**38.6**	mg/Kg	1	1.00
Total Cadmium		**0.865**	mg/Kg	1	0.200
Total Chromium		**20.7**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131679 - 0204-CF-007-10.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40163	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40338	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34888	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**27.2**	mg/Kg	1	1.00
Total Cadmium		**0.220**	mg/Kg	1	0.200
Total Chromium		**3.76**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131680 - 0207-CF-004-8.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40163	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40338	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34888	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		**3.53**	mg/Kg	1	2.00
Total Barium		**37.7**	mg/Kg	1	1.00
Total Cadmium		**1.40**	mg/Kg	1	0.200
Total Chromium		**12.6**	mg/Kg	1	0.500
Total Mercury		**0.0762**	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131681 - 0207-CF-005-8.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40163	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40338	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34888	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**36.8**	mg/Kg	1	1.00
Total Cadmium		**0.790**	mg/Kg	1	0.200
Total Chromium		**15.5**	mg/Kg	1	0.500
Total Mercury		**0.0752**	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131682 - 0207-CF-006-9.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40163	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40338	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34888	Sample Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**30.0**	mg/Kg	1	1.00
Total Cadmium		**0.620**	mg/Kg	1	0.200
Total Chromium		**17.2**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Sample: 131683 - 0207-CF-106-9.0

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3050B
QC Batch:	40163	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	Sample Preparation:	2007-08-17	Prepared By:	KV
Analysis:	Total 8 Metals	Analytical Method:	S 7471A	Prep Method:	N/A
QC Batch:	40338	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34888	Sample Preparation:	2007-08-22	Prepared By:	TP

continued . . .

sample 131683 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.250	mg/Kg	1	0.250
Total Arsenic		<2.00	mg/Kg	1	2.00
Total Barium		**31.8**	mg/Kg	1	1.00
Total Cadmium		**0.657**	mg/Kg	1	0.200
Total Chromium		**17.9**	mg/Kg	1	0.500
Total Mercury		<0.0400	mg/Kg	1	0.0400
Total Lead		<1.00	mg/Kg	1	1.00
Total Selenium		<2.00	mg/Kg	1	2.00

Method Blank (1) QC Batch: 40163

QC Batch:	40163	Date Analyzed:	2007-08-17	Analyzed By:	RR
Prep Batch:	34750	QC Preparation:	2007-08-16	Prepared By:	KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.214	mg/Kg	0.05
Total Arsenic		<0.544	mg/Kg	2
Total Barium		<0.167	mg/Kg	1
Total Cadmium		<0.136	mg/Kg	0.1
Total Chromium		<0.0930	mg/Kg	0.5
Total Lead		<0.736	mg/Kg	1
Total Selenium		<1.31	mg/Kg	1

Method Blank (1) QC Batch: 40337

QC Batch:	40337	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34885	QC Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00301	mg/Kg	0.04

Method Blank (1) QC Batch: 40338

QC Batch:	40338	Date Analyzed:	2007-08-22	Analyzed By:	TP
Prep Batch:	34888	QC Preparation:	2007-08-22	Prepared By:	TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.00301	mg/Kg	0.04

Laboratory Control Spike (LCS-1)

QC Batch: 40163 Date Analyzed: 2007-08-17 Analyzed By: RR
Prep Batch: 34750 QC Preparation: 2007-08-16 Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	11.0	mg/Kg	1	12.5	<0.214	88	84.3 - 98.7
Total Arsenic	45.7	mg/Kg	1	50.0	<0.544	91	76.3 - 105
Total Barium	92.1	mg/Kg	1	100	<0.167	92	80.1 - 102
Total Cadmium	22.1	mg/Kg	1	25.0	<0.136	88	85 - 115
Total Chromium	9.50	mg/Kg	1	10.0	<0.0930	95	82.2 - 115
Total Lead	45.7	mg/Kg	1	50.0	<0.736	91	84 - 100
Total Selenium	40.1	mg/Kg	1	50.0	<1.31	80	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.0	mg/Kg	1	12.5	<0.214	88	84.3 - 98.7	0	20
Total Arsenic	45.8	mg/Kg	1	50.0	<0.544	92	76.3 - 105	0	20
Total Barium	91.3	mg/Kg	1	100	<0.167	91	80.1 - 102	1	20
Total Cadmium	22.1	mg/Kg	1	25.0	<0.136	88	85 - 115	0	20
Total Chromium	9.52	mg/Kg	1	10.0	<0.0930	95	82.2 - 115	0	20
Total Lead	45.6	mg/Kg	1	50.0	<0.736	91	84 - 100	0	20
Total Selenium	39.4	mg/Kg	1	50.0	<1.31	79	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40337 Date Analyzed: 2007-08-22 Analyzed By: TP
Prep Batch: 34885 QC Preparation: 2007-08-22 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.507	mg/Kg	1	0.500	<0.0301	101	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.516	mg/Kg	1	0.500	<0.0301	103	89.4 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 40338 Date Analyzed: 2007-08-22 Analyzed By: TP
Prep Batch: 34888 QC Preparation: 2007-08-22 Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.557	mg/Kg	1	0.500	<0.0301	111	89.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.516	mg/Kg	1	0.500	<0.0301	103	89.4 - 115	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131071

QC Batch: 40163 Date Analyzed: 2007-08-17 Analyzed By: RR
Prep Batch: 34750 QC Preparation: 2007-08-16 Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	10.7	mg/Kg	1	12.5	<0.214	86	78.7 - 93.5
Total Arsenic	43.4	mg/Kg	1	50.0	3.27	80	75.8 - 105
Total Barium	265	mg/Kg	1	100	178	87	73.2 - 117
Total Cadmium	22.0	mg/Kg	1	25.0	1.44	82	75 - 112
Total Chromium	30.2	mg/Kg	1	10.0	20.6	96	66.9 - 128
Total Lead	45.9	mg/Kg	1	50.0	<0.736	92	67.4 - 102
Total Selenium	42.0	mg/Kg	1	50.0	<1.31	84	75 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	11.0	mg/Kg	1	12.5	<0.214	88	78.7 - 93.5	3	20
Total Arsenic	42.2	mg/Kg	1	50.0	3.27	78	75.8 - 105	3	20
Total Barium	267	mg/Kg	1	100	178	89	73.2 - 117	1	20
Total Cadmium	22.3	mg/Kg	1	25.0	1.44	83	75 - 112	1	20
Total Chromium	30.6	mg/Kg	1	10.0	20.6	100	66.9 - 128	1	20
Total Lead	46.4	mg/Kg	1	50.0	<0.736	93	67.4 - 102	1	20
Total Selenium	42.8	mg/Kg	1	50.0	<1.31	86	75 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131065

QC Batch: 40337 Date Analyzed: 2007-08-22 Analyzed By: TP
Prep Batch: 34885 QC Preparation: 2007-08-22 Prepared By: TP

continued . . .

matrix spikes continued . . .

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.580	mg/Kg	1	0.500	0.0103	114	80.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.520	mg/Kg	1	0.500	0.0103	102	80.8 - 115	11	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 131679

QC Batch: 40338 Date Analyzed: 2007-08-22 Analyzed By: TP
Prep Batch: 34888 QC Preparation: 2007-08-22 Prepared By: TP

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury [1]	0.591	mg/Kg	1	0.500	<0.00301	118	80.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.571	mg/Kg	1	0.500	<0.00301	114	80.8 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 40163 Date Analyzed: 2007-08-17 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.124	99	90 - 110	2007-08-17
Total Arsenic		mg/Kg	1.00	0.989	99	95 - 105	2007-08-17
Total Barium		mg/Kg	1.00	1.01	101	95 - 105	2007-08-17
Total Cadmium		mg/Kg	1.00	0.988	99	95 - 105	2007-08-17
Total Chromium		mg/Kg	1.00	0.987	99	90 - 110	2007-08-17
Total Lead		mg/Kg	1.00	0.991	99	90 - 110	2007-08-17
Total Selenium		mg/Kg	1.00	0.967	97	90 - 110	2007-08-17

Standard (CCV-1)

QC Batch: 40163 Date Analyzed: 2007-08-17 Analyzed By: RR

[1] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/Kg	0.125	0.124	99	90 - 110	2007-08-17
Total Arsenic		mg/Kg	1.00	0.999	100	90 - 110	2007-08-17
Total Barium		mg/Kg	1.00	1.00	100	90 - 110	2007-08-17
Total Cadmium		mg/Kg	1.00	0.986	99	90 - 110	2007-08-17
Total Chromium		mg/Kg	1.00	0.984	98	90 - 110	2007-08-17
Total Lead		mg/Kg	1.00	0.993	99	90 - 110	2007-08-17
Total Selenium		mg/Kg	1.00	0.972	97	90 - 110	2007-08-17

Standard (ICV-1)

QC Batch: 40337 Date Analyzed: 2007-08-22 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00504	101	90 - 110	2007-08-22

Standard (CCV-1)

QC Batch: 40337 Date Analyzed: 2007-08-22 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00514	103	80 - 120	2007-08-22

Standard (ICV-1)

QC Batch: 40338 Date Analyzed: 2007-08-22 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00504	101	90 - 110	2007-08-22

Standard (CCV-1)

QC Batch: 40338 Date Analyzed: 2007-08-22 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00500	0.00504	101	80 - 120	2007-08-22

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P.O. BOX 363, Bldg 126, 3rd Floor, WSMR, NM 88002
Office: (505) 678-0263 Fax: (505) 678-6096

WTS

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NO.: 45

PROJECT NAME: POL AST

SAMPLER'S SIGNATURE:

DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	TPH DRO	VOCs	SVOCs								REMARKS
7-31-07	1650	0207-CF-001-6.0	Soil	131676	1	X	X	X								
7-31-07	1707	0207-CF-003-7.0	Soil	677	1	X	X	X								
7-31-07	1700	0207-CF-002-6.0	Soil	678	1	X	X	X								
7-31-07	1020	0204-CF-007-10.0	Soil	679	1	X	X	X								
7-31-07	1750	~~0204~~ 0207-CF-004-8.0	Soil	680	1	X	X	X								
7-31-07	1800	0207-CF-005-8.0	Soil	681	1	X	X	X								
7-31-07	1805	0207-CF-006-9.0	Soil	682	1	X	X	X								
7-31-07	1805	0207-CF-106-9.0	Soil	683	1	X	X	X								

PROJECT INFORMATION	SAMPLES RECEIVED		1. RELINQUISHED BY: (SIGNATURE)	2. RELINQUISHED BY: (SIGNATURE)	3. RECEIVED BY LAB: (SIGNATURE)
PROJECT MANAGER: Brad Davis	TOTAL NO. OF CONTAINERS		(PRINTED NAME) GABRIEL GARCIA	(PRINTED NAME)	(PRINTED NAME) BRENDA WARD
SHIPPING ID NO.	CHAIN OF CUSTODY SEALS		RECEIVED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	(COMPANY) TRACE ANALYSIS
	GOOD CONDITION/CHILLED		(TIME/DATE)	(TIME/DATE)	(TIME/DATE) 8/2/07 8:35
VIA: Fed EX	CONFORMS TO RECORD		SPECIAL INSTRUCTIONS/COMMENTS: Carry Turnaround TPH DRO	BRAD DAVIS. 505 288-6880	

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

APPENDIX D

DENVER SOIL DENSITY TEST

FIELD DENSITY TESTING

Report Number: 68071070.0001
Service Date: July 12, 2007

Terracon
1630 Hickory Loop, Suite H
Las Cruces, New Mexico 88005
(505) 527-1700

Client:
Rhino Environmental Services
Attn: Daniele Berardelli
PO Box 310
Canutillo TX 79835

Report Date: August 14, 2007
Project: WSMR Denver Site
60 Miles Northwest of the Tulie Gate
WSMR, NM

Project No.: 68071070

Material Information

Material No.	Laboratory Test Method	Description and Classification	Lab Test Data: Optimum Water Content (%)	Lab Test Data: Max. Lab Dry Unit Weight (pcf)	Project Requirements: Water Content (%)	Project Requirements: Minimum Dry Unit Weight (% compaction)
1		Proctor provided by client	8.3	119.0		95

Field Test Data

Test No.	Test Location	Lift/ Elev.	Mat. No.	Probe Depth (inches)	Water Content (%)	Dry Unit Weight (pcf)	Dry Unit Weight (% compaction)
1	Centerline of hole	1st	1	6	7.7	117.2	98
2	Centerline of hole	2nd	1	6	7.7	114.2	96
3	Centerline of hole	3rd	1	6	11.3	114.1	96
4	Centerline of hole	4th	1	6	9.8	113.8	96

Comments:

Test results on this report meet project specification.

Standby-waiting to test 3.0 hours

Services - Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.

Field Test Method: ASTM D2922, ASTM D3017

Gauge ID: 26211 Std Cnt M: 668 Std Cnt D: 2206

Started: 0830 Finished: 1330

Field Results Reported To: Danny

Report Distribution:

Reviewed by: Nancy Reid
Nancy E. Reid
Department Manager I-Technical

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

HMAC FIELD DENSITY TESTING

Report Number: 68071004.0081
Service Date: July 24, 2007

Terracon
1830 Hickory Loop, Suite H
Las Cruces, New Mexico 88005
(505) 527-1700

Client:
Alamo Earthwork & Paving Inc
Attn: Robert Johnson
PO Box 245
Alamogordo NM 88310

Report Date: August 14, 2007
Project: Alamo Earthwork On Call Services 2007
Various Locations
Alamogordo, NM

Project No.: 68071004

Material Information

Material No.	Laboratory Test Method	Description	Lab Test Data: Reference Density (pcf)	Project Requirements: Minimum Thickness (inches)	Minimum Compaction (%)	Maximum Compaction (%)
1		Marshall Value Provided by Client	148.8		95.0	

Field Test Data

Test No.	Location	Pavement Lift	Mat. No.	Nuclear Density (pcf)	Comp. (%)
	Denver site/WSMR				
1	7' North, 10' East of Southwest corner of road, cut out	Final	1	141.3	95

Comments:
Test results on this report meet project specification.

Services - Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.

Field Test Method: ASTM D2922, ASTM D3017
Gauge ID: 26211

Terracon Rep: Gustavo G. Holguin Started: 1030 Finished: 1230
Field Results Reported To: Robert

Report Distribution:

Reviewed by: Nancy Reid
Nancy E. Reid
Department Manager I-Technical

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

FIELD DENSITY TESTING

Report Number: 68071004.0080
Service Date: July 24, 2007

Terracon
1630 Hickory Loop, Suite H
Las Cruces, New Mexico 88005
(505) 527-1700

Client:
Alamo Earthwork & Paving Inc
Attn: Robert Johnson
PO Box 245
Alamogordo NM 88310

Report Date: August 14, 2007
Project: Alamo Earthwork On Call Services 2007
Various Locations
Alamogordo, NM

Project No.: 68071004

Material Information

Material No.	Laboratory Test Method	Description and Classification	Lab Test Data: Optimum Water Content (%)	Lab Test Data: Max. Lab Dry Unit Weight (pcf)	Project Requirements: Water Content (%)	Project Requirements: Minimum Dry Unit Weight (% compaction)
1 510030055	ASTM D1557-00	Silty Gravel with Sand	4.7	142.4	±2	95

Field Test Data

Test No.	Test Location	Lift/ Elev.	Mat. No.	Probe Depth (inches)	Water Content (%)	Dry Unit Weight (pcf)	Dry Unit Weight (% compaction)
	Denver Site/WSMR						
1	5' West, 1' South of Southeast end of road, cut out	FBC	1	BS	2.5	135.7	95

Comments:

Test results on this report meet project specification.

Services - Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.

Field Test Method: ASTM D2922, ASTM D3017
Gauge ID: 26211 Std Cnt M: 686 Std Cnt D: 2206

Terracon Rep: Gustavo G. Holguin Started: 1030 Finished: 1230
Field Results Reported To: Robert

Report Distribution:

Reviewed by: Nancy Reid
Nancy E. Reid
Department Manager I-Technical

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

APPENDIX E

NMED-WSMR CORRESPONDENCE

State of New Mexico
ENVIRONMENT DEPARTMENT
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
Telephone (505) 428-2500
Fax (505) 428-2567
www.nmenv.state.nm.us

BILL RICHARDSON
GOVERNOR

RON CURRY
SECRETARY

DERRITH WATCHMAN-MOORE
DEPUTY SECRETARY

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

November 22, 2004

Thomas A. Ladd, Director
Environment and Safety Directorate
U.S. Army White Sands Missile Range
White Sands Missile Range, New
Mexico 88002-5000

SUBJECT: ADDITION OF NEW SITES TO THE WSMR SOLID WASTE MANAGEMENT UNIT / CORRECTIVE ACTION UNIT SECTION OF THE HAZARDOUS WASTE MANAGEMENT UNIT AUDIT LISTING HWB-WSMR-04-006

Dear Mr. Ladd:

NMED has completed a technical review of WSMR's Letter Report titled *Addition of New Sites to the WSMR Solid Waste Management Unit / Corrective Action Unit Section of the Hazardous Waste Management Annual Unit Audit Listing* and has determined that it complies with WSMR's Hazardous Waste Storage Facility Permit (September 1989), Module VIII, Section E and that it is acceptable.

Within ninety (90) days of receipt of this letter, WSMR must submit a work plan to complete additional investigation activities and to remediate all sites where necessary. All these sites appear to be similar with obvious presumptive remedies. NMED suggests that the work plan be inclusive; meaning screening, soil excavation, and confirmation sample collection for laboratory analysis be completed under the one work plan. WSMR must analyze all confirmation samples

for total petroleum hydrocarbons (TPH) using EPA Method 8015B, metals, volatile organic compounds (VOCs) and semi-volatile organic compounds. WSMR must also propose monitoring well locations at some of the high priority and medium priority sites, if necessary.

If you have any questions regarding this letter, please call Cheryl Frischkorn of my staff at (505) 428-2550.

Sincerely,

John E. Kieling
Manager
Permits Management Program

cc: J. Bearzi, NMED HWB
G. von Gonten, NMED HWB
C. Frischkorn, NMED HWB
L. King, EPA Region 6 (6PD-N)
Gene Forsythe, WSMR

File: Reading File and WSMR 2004 File
HWB-WSMR-04-006

DEPARTMENT OF THE ARMY
U.S. ARMY GARRISON WHITE SANDS
100 Headquarters Avenue
WHITE SANDS MISSILE RANGE, NEW MEXICO 88002-5000

FEB 2 8 2005

REPLY TO
ATTENTION OF
Environment and Safety Directorate

Mr. John Kieling
New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303

SUBJECT: Addition of new sites to the WSMR Solid Waste Management Unit/ Corrective Action Unit Section of the Hazardous Waste Management Unit Audit Listing HWB –WSMR-04-006

Dear Mr. Kieling:

White Sands Missile Range (WSMR) has received your letter dated November 22, 2004 concerning the subject additions.

Per your letter, WSMR must submit:

- A work plan to complete additional investigation and to remediate all sites where necessary.

Response: WSMR has tasked its environmental services contractor to prepare a work plan and to remediate sites SE-50 and SE-70 this fiscal year (FY05). Funding for remediation of the remainder of the sites is programmed for FY 2006 and beyond. The work plan will be submitted by July 2005.

We believe this approach is reasonable and practical and will allow your office and WSMR to make the best decision for all stakeholders and the environment. We look forward to working with your staff in accomplishing our common goals.

Copies furnished to Ms. Leslie Christopolous, U.S. Army Installation Management Agency; Mr. John Kieling, NMED-HWB; Mr. James Harris, Region VI EPA; Mr. Joe King, U.S. Army Environmental Center; and White Sands Technical Services.

Should you have any questions regarding this matter, please contact Mr. George Fish at (505) 678-1007.

Sincerely,

Thomas A. Ladd

Thomas A. Ladd
Director, Environment and Safety Directorate

APPENDIX F

PRELIMINARY INVESTIGATION ANALYTICAL RESULTS *(on CD only)*

fs_Sample_ID_Client	fs_CAS_Number	fs_Analyte	ff_Result	fs_Flag	fs_Units	ff_PQL	ff_SDL	ft_Date_Analysis	fs_Fraction	bwk_Result_ID	fs_Sample_ID_Lab
300GG-DECON-IDW-0603	FP	Flash Point (Setaflash)	200	>	degrees F			6/13/2003 0:00	FP	45664	0306061-02
300GG-SOIL-IDW-CS	FP	Flash Point (Setaflash)	200	>	degrees F			6/13/2003 0:00	FP	45663	0306061-01
300GG-SOIL-IDW-CS	68334-30-5	Diesel Range Organics (C12-C24)	1000	D	mg/Kg	53	53	6/17/2003 18:27	T8	45669	0306061-01
B060903GSVSLH	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/16/2003 1:15	T8	43075	B060903GSVSLH
300GG-SOIL-IDW-CS	IT15-49-4	Oil Range Organics (C24-C40)	210	U	mg/Kg	210	210	6/17/2003 18:27	T8	45670	0306061-01
B060903GSVSLH	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/16/2003 1:15	T8	43076	B060903GSVSLH
300GG-DECON-IDW-0603DL	68334-30-5	Diesel Range Organics (C12-C24)	42	D	mg/L	2.6	2.6	6/20/2003 22:39	T8	45677	0306061-02DL
B060503GSVWLS	68334-30-5	Diesel Range Organics (C12-C24)	0.05	U	mg/L	0.05	0.05	6/20/2003 20:58	T8	45655	B060503GSVWLS
300GG-DECON-IDW-0603DL	IT15-49-4	Oil Range Organics (C24-C40)	87	D	mg/L	10	10	6/20/2003 22:39	T8	45678	0306061-02DL
B060503GSVWLS	IT15-49-4	Oil Range Organics (C24-C40)	0.2	U	mg/L	0.2	0.2	6/20/2003 20:58	T8	45656	B060503GSVWLS
300GG-SOIL-IDW-CS	91-57-6	2-Methylnaphthalene	730		UG/KG	140	140	6/12/2003 13:09	SN	45719	0306061-01
B060503MPNSLH	91-57-6	2-Methylnaphthalene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45449	B060503MPNSLH
300GG-SOIL-IDW-CS	83-32-9	Acenaphthene	71	J	UG/KG	140	140	6/12/2003 13:09	SN	45721	0306061-01
B060503MPNSLH	83-32-9	Acenaphthene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45451	B060503MPNSLH
300GG-SOIL-IDW-CS	208-96-8	Acenaphthylene	140	U	UG/KG	140	140	6/12/2003 13:09	SN	45720	0306061-01
B060503MPNSLH	208-96-8	Acenaphthylene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45450	B060503MPNSLH
300GG-SOIL-IDW-CS	120-12-7	Anthracene	140	U	UG/KG	140	140	6/12/2003 13:09	SN	45724	0306061-01
B060503MPNSLH	120-12-7	Anthracene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45454	B060503MPNSLH
300GG-SOIL-IDW-CS	71-43-2	Benzene	43	U	ug/Kg	43	21	6/9/2003 10:37	8X	45681	0306061-01
B060603GVOSK1RE	71-43-2	Benzene	40	U	ug/Kg	40	20	6/9/2003 6:45	8X	44940	B060603GVOSK1RE
300GG-SOIL-IDW-CS	56-55-3	Benzo[a]anthracene	140	U	UG/KG	140	140	6/12/2003 13:09	SN	45726	0306061-01
B060503MPNSLH	56-55-3	Benzo[a]anthracene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45456	B060503MPNSLH
300GG-SOIL-IDW-CS	50-32-8	Benzo[a]pyrene	140	U	UG/KG	140	140	6/12/2003 13:09	SN	45730	0306061-01
B060503MPNSLH	50-32-8	Benzo[a]pyrene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45460	B060503MPNSLH
300GG-SOIL-IDW-CS	205-99-2	Benzo[b]fluoranthene	140	U	UG/KG	140	140	6/12/2003 13:09	SN	45728	0306061-01
B060503MPNSLH	205-99-2	Benzo[b]fluoranthene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45458	B060503MPNSLH
300GG-SOIL-IDW-CS	191-24-2	Benzo[g,h,I]perylene	140	U	UG/KG	140	140	6/12/2003 13:09	SN	45733	0306061-01
B060503MPNSLH	191-24-2	Benzo[g,h,I]perylene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45463	B060503MPNSLH
300GG-SOIL-IDW-CS	207-08-9	Benzo[k]fluoranthene	140	U	UG/KG	140	140	6/12/2003 13:09	SN	45729	0306061-01
B060503MPNSLH	207-08-9	Benzo[k]fluoranthene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45459	B060503MPNSLH
300GG-SOIL-IDW-CS	218-01-9	Chrysene	140	U	UG/KG	140	140	6/12/2003 13:09	SN	45727	0306061-01
B060503MPNSLH	218-01-9	Chrysene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45457	B060503MPNSLH
300GG-SOIL-IDW-CS	53-70-3	Dibenzo[a,h]anthracene	140	U	UG/KG	140	140	6/12/2003 13:09	SN	45732	0306061-01
B060503MPNSLH	53-70-3	Dibenzo[a,h]anthracene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45462	B060503MPNSLH
300GG-SOIL-IDW-CS	100-41-4	Ethyl Benzene	43	U	ug/Kg	43	21	6/9/2003 10:37	8X	45683	0306061-01
B060603GVOSK1RE	100-41-4	Ethyl Benzene	40	U	ug/Kg	40	20	6/9/2003 6:45	8X	44942	B060603GVOSK1RE
300GG-SOIL-IDW-CS	206-44-0	Fluoranthene	140	U	UG/KG	140	140	6/12/2003 13:09	SN	45725	0306061-01
B060503MPNSLH	206-44-0	Fluoranthene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45455	B060503MPNSLH
300GG-SOIL-IDW-CS	86-73-7	Fluorene	85	J	UG/KG	140	140	6/12/2003 13:09	SN	45722	0306061-01
B060503MPNSLH	86-73-7	Fluorene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45452	B060503MPNSLH
300GG-SOIL-IDW-CS	193-39-5	Indeno[1,2,3-cd]pyrene	140	U	UG/KG	140	140	6/12/2003 13:09	SN	45731	0306061-01
B060503MPNSLH	193-39-5	Indeno[1,2,3-cd]pyrene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45461	B060503MPNSLH
300GG-SOIL-IDW-CS	108-38-3	m,p-Xylene	85	U	ug/Kg	85	43	6/9/2003 10:37	8X	45684	0306061-01
B060603GVOSK1RE	108-38-3	m,p-Xylene	80	U	ug/Kg	80	40	6/9/2003 6:45	8X	44943	B060603GVOSK1RE
300GG-SOIL-IDW-CS	91-20-3	Naphthalene	140	U	UG/KG	140	140	6/12/2003 13:09	SN	45718	0306061-01
B060503MPNSLH	91-20-3	Naphthalene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45448	B060503MPNSLH
300GG-SOIL-IDW-CS	95-47-6	o-Xylene	43	U	ug/Kg	43	21	6/9/2003 10:37	8X	45685	0306061-01
B060603GVOSK1RE	95-47-6	o-Xylene	40	U	ug/Kg	40	20	6/9/2003 6:45	8X	44944	B060603GVOSK1RE
300GG-SOIL-IDW-CS	85-01-8	Phenanthrene	650		UG/KG	140	140	6/12/2003 13:09	SN	45723	0306061-01
B060503MPNSLH	85-01-8	Phenanthrene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45453	B060503MPNSLH
300GG-SOIL-IDW-CS	129-00-0	Pyrene	140	U	UG/KG	140	140	6/12/2003 13:09	SN	45717	0306061-01
B060503MPNSLH	129-00-0	Pyrene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45447	B060503MPNSLH

300GG-SOIL-IDW-CS	108-88-3	Toluene	64 U	ug/Kg	64	32	6/9/2003 10:37	8X	45682	0306061-01
B060603GVOSK1RE	108-88-3	Toluene	60 U	ug/Kg	60	30	6/9/2003 6:45	8X	44941	B060603GVOSK1RE
300GG-DECON-IDW-0603	91-57-6	2-Methylnaphthalene	0.99 J	UG/L	1.08	1.08	6/11/2003 17:00	SN	45736	0306061-02
300GG-DECON-IDW-0603DL	91-57-6	2-Methylnaphthalene	4 U	UG/L	4	4	6/11/2003 15:26	SN	45753	0306061-02DL
B060503MPNWLT	91-57-6	2-Methylnaphthalene	1 U	UG/L	1	1	6/11/2003 9:48	SN	45466	B060503MPNWLT
300GG-DECON-IDW-0603	83-32-9	Acenaphthene	1.08 U	UG/L	1.08	1.08	6/11/2003 17:00	SN	45738	0306061-02
300GG-DECON-IDW-0603DL	83-32-9	Acenaphthene	4 U	UG/L	4	4	6/11/2003 15:26	SN	45755	0306061-02DL
B060503MPNWLT	83-32-9	Acenaphthene	1 U	UG/L	1	1	6/11/2003 9:48	SN	45468	B060503MPNWLT
300GG-DECON-IDW-0603	208-96-8	Acenaphthylene	1.08 U	UG/L	1.08	1.08	6/11/2003 17:00	SN	45737	0306061-02
300GG-DECON-IDW-0603DL	208-96-8	Acenaphthylene	4 U	UG/L	4	4	6/11/2003 15:26	SN	45754	0306061-02DL
B060503MPNWLT	208-96-8	Acenaphthylene	1 U	UG/L	1	1	6/11/2003 9:48	SN	45467	B060503MPNWLT
300GG-DECON-IDW-0603	120-12-7	Anthracene	1.08 U	UG/L	1.08	1.08	6/11/2003 17:00	SN	45741	0306061-02
300GG-DECON-IDW-0603DL	120-12-7	Anthracene	4 U	UG/L	4	4	6/11/2003 15:26	SN	45758	0306061-02DL
B060503MPNWLT	120-12-7	Anthracene	1 U	UG/L	1	1	6/11/2003 9:48	SN	45471	B060503MPNWLT
300GG-DECON-IDW-0603	71-43-2	Benzene	20 U	ug/L	20	10	6/11/2003 8:56	8X	45686	0306061-02
B060903GVOWK1	71-43-2	Benzene	0.2 U	ug/L	0.2	0.1	6/9/2003 12:33	8X	44945	B060903GVOWK1
B061103GVOWK1	71-43-2	Benzene	0.2 U	ug/L	0.2	0.1	6/11/2003 7:39	8X	45706	B061103GVOWK1
TRIP BLANK	71-43-2	Benzene	0.2 U	ug/L	0.2	0.1	6/9/2003 13:50	8X	45691	0306061-03
300GG-DECON-IDW-0603	56-55-3	Benzo[a]anthracene	1.08 U	UG/L	1.08	1.08	6/11/2003 17:00	SN	45743	0306061-02
300GG-DECON-IDW-0603DL	56-55-3	Benzo[a]anthracene	4 U	UG/L	4	4	6/11/2003 15:26	SN	45760	0306061-02DL
B060503MPNWLT	56-55-3	Benzo[a]anthracene	1 U	UG/L	1	1	6/11/2003 9:48	SN	45473	B060503MPNWLT
300GG-DECON-IDW-0603	50-32-8	Benzo[a]pyrene	1.08 U	UG/L	1.08	1.08	6/11/2003 17:00	SN	45747	0306061-02
300GG-DECON-IDW-0603DL	50-32-8	Benzo[a]pyrene	4 U	UG/L	4	4	6/11/2003 15:26	SN	45764	0306061-02DL
B060503MPNWLT	50-32-8	Benzo[a]pyrene	1 U	UG/L	1	1	6/11/2003 9:48	SN	45477	B060503MPNWLT
300GG-DECON-IDW-0603	205-99-2	Benzo[b]fluoranthene	1.08 U	UG/L	1.08	1.08	6/11/2003 17:00	SN	45745	0306061-02
300GG-DECON-IDW-0603DL	205-99-2	Benzo[b]fluoranthene	4 U	UG/L	4	4	6/11/2003 15:26	SN	45762	0306061-02DL
B060503MPNWLT	205-99-2	Benzo[b]fluoranthene	1 U	UG/L	1	1	6/11/2003 9:48	SN	45475	B060503MPNWLT
300GG-DECON-IDW-0603	191-24-2	Benzo[g,h,I]perylene	1.08 U	UG/L	1.08	1.08	6/11/2003 17:00	SN	45750	0306061-02
300GG-DECON-IDW-0603DL	191-24-2	Benzo[g,h,I]perylene	4 U	UG/L	4	4	6/11/2003 15:26	SN	45767	0306061-02DL
B060503MPNWLT	191-24-2	Benzo[g,h,I]perylene	1 U	UG/L	1	1	6/11/2003 9:48	SN	45480	B060503MPNWLT
300GG-DECON-IDW-0603	207-08-9	Benzo[k]fluoranthene	1.08 U	UG/L	1.08	1.08	6/11/2003 17:00	SN	45746	0306061-02
300GG-DECON-IDW-0603DL	207-08-9	Benzo[k]fluoranthene	4 U	UG/L	4	4	6/11/2003 15:26	SN	45763	0306061-02DL
B060503MPNWLT	207-08-9	Benzo[k]fluoranthene	1 U	UG/L	1	1	6/11/2003 9:48	SN	45476	B060503MPNWLT
300GG-DECON-IDW-0603	218-01-9	Chrysene	1.08 U	UG/L	1.08	1.08	6/11/2003 17:00	SN	45744	0306061-02
300GG-DECON-IDW-0603DL	218-01-9	Chrysene	4 U	UG/L	4	4	6/11/2003 15:26	SN	45761	0306061-02DL
B060503MPNWLT	218-01-9	Chrysene	1 U	UG/L	1	1	6/11/2003 9:48	SN	45474	B060503MPNWLT
300GG-DECON-IDW-0603	53-70-3	Dibenzo[a,h]anthracene	1.08 U	UG/L	1.08	1.08	6/11/2003 17:00	SN	45749	0306061-02
300GG-DECON-IDW-0603DL	53-70-3	Dibenzo[a,h]anthracene	4 U	UG/L	4	4	6/11/2003 15:26	SN	45766	0306061-02DL
B060503MPNWLT	53-70-3	Dibenzo[a,h]anthracene	1 U	UG/L	1	1	6/11/2003 9:48	SN	45479	B060503MPNWLT
300GG-DECON-IDW-0603	100-41-4	Ethyl Benzene	20 U	ug/L	20	10	6/11/2003 8:56	8X	45688	0306061-02
B060903GVOWK1	100-41-4	Ethyl Benzene	0.2 U	ug/L	0.2	0.1	6/9/2003 12:33	8X	44947	B060903GVOWK1
B061103GVOWK1	100-41-4	Ethyl Benzene	0.2 U	ug/L	0.2	0.1	6/11/2003 7:39	8X	45708	B061103GVOWK1
TRIP BLANK	100-41-4	Ethyl Benzene	0.2 U	ug/L	0.2	0.1	6/9/2003 13:50	8X	45693	0306061-03
300GG-DECON-IDW-0603	206-44-0	Fluoranthene	1.08 U	UG/L	1.08	1.08	6/11/2003 17:00	SN	45742	0306061-02
300GG-DECON-IDW-0603DL	206-44-0	Fluoranthene	4 U	UG/L	4	4	6/11/2003 15:26	SN	45759	0306061-02DL
B060503MPNWLT	206-44-0	Fluoranthene	1 U	UG/L	1	1	6/11/2003 9:48	SN	45472	B060503MPNWLT
300GG-DECON-IDW-0603	86-73-7	Fluorene	1.08 U	UG/L	1.08	1.08	6/11/2003 17:00	SN	45739	0306061-02
300GG-DECON-IDW-0603DL	86-73-7	Fluorene	4 U	UG/L	4	4	6/11/2003 15:26	SN	45756	0306061-02DL
B060503MPNWLT	86-73-7	Fluorene	1 U	UG/L	1	1	6/11/2003 9:48	SN	45469	B060503MPNWLT
300GG-DECON-IDW-0603	193-39-5	Indeno[1,2,3-cd]pyrene	1.08 U	UG/L	1.08	1.08	6/11/2003 17:00	SN	45748	0306061-02
300GG-DECON-IDW-0603DL	193-39-5	Indeno[1,2,3-cd]pyrene	4 U	UG/L	4	4	6/11/2003 15:26	SN	45765	0306061-02DL
B060503MPNWLT	193-39-5	Indeno[1,2,3-cd]pyrene	1 U	UG/L	1	1	6/11/2003 9:48	SN	45478	B060503MPNWLT
300GG-DECON-IDW-0603	108-38-3	m,p-Xylene	40 U	ug/L	40	20	6/11/2003 8:56	8X	45689	0306061-02

B060903GVOWK1	108-38-3	m,p-Xylene	0.4	U	ug/L	0.4	0.2	6/9/2003 12:33	8X	44948	B060903GVOWK1
B061103GVOWK1	108-38-3	m,p-Xylene	0.4	U	ug/L	0.4	0.2	6/11/2003 7:39	8X	45709	B061103GVOWK1
TRIP BLANK	108-38-3	m,p-Xylene	0.4	U	ug/L	0.4	0.2	6/9/2003 13:50	8X	45694	0306061-03
300GG-DECON-IDW-0603	91-20-3	Naphthalene	1.08	U	UG/L	1.08	1.08	6/11/2003 17:00	SN	45735	0306061-02
300GG-DECON-IDW-0603DL	91-20-3	Naphthalene	4	U	UG/L	4	4	6/11/2003 15:26	SN	45752	0306061-02DL
B060503MPNWLT	91-20-3	Naphthalene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45465	B060503MPNWLT
300GG-DECON-IDW-0603	95-47-6	o-Xylene	20	U	ug/L	20	10	6/11/2003 8:56	8X	45690	0306061-02
B060903GVOWK1	95-47-6	o-Xylene	0.2	U	ug/L	0.2	0.1	6/9/2003 12:33	8X	44949	B060903GVOWK1
B061103GVOWK1	95-47-6	o-Xylene	0.2	U	ug/L	0.2	0.1	6/11/2003 7:39	8X	45710	B061103GVOWK1
TRIP BLANK	95-47-6	o-Xylene	0.2	U	ug/L	0.2	0.1	6/9/2003 13:50	8X	45695	0306061-03
300GG-DECON-IDW-0603	85-01-8	Phenanthrene	1.29		UG/L	1.08	1.08	6/11/2003 17:00	SN	45740	0306061-02
300GG-DECON-IDW-0603DL	85-01-8	Phenanthrene	4	U	UG/L	4	4	6/11/2003 15:26	SN	45757	0306061-02DL
B060503MPNWLT	85-01-8	Phenanthrene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45470	B060503MPNWLT
300GG-DECON-IDW-0603	129-00-0	Pyrene	1.08	U	UG/L	1.08	1.08	6/11/2003 17:00	SN	45734	0306061-02
300GG-DECON-IDW-0603DL	129-00-0	Pyrene	4	U	UG/L	4	4	6/11/2003 15:26	SN	45751	0306061-02DL
B060503MPNWLT	129-00-0	Pyrene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45464	B060503MPNWLT
300GG-DECON-IDW-0603	108-88-3	Toluene	30	U	ug/L	30	15	6/11/2003 8:56	8X	45687	0306061-02
B060903GVOWK1	108-88-3	Toluene	0.3	U	ug/L	0.3	0.15	6/9/2003 12:33	8X	44946	B060903GVOWK1
B061103GVOWK1	108-88-3	Toluene	0.3	U	ug/L	0.3	0.15	6/11/2003 7:39	8X	45707	B061103GVOWK1
TRIP BLANK	108-88-3	Toluene	0.21	JP	ug/L	0.3	0.15	6/9/2003 13:50	8X	45692	0306061-03

fs_Sample_ID_Client	fs_CAS_Number	fs_Analyte	ff_Result	fs_Flag	fs_Units	ff_PQL	ff_SDL	ft_Date_Analysis	fs_Fraction	bwk_Result_ID	fs_Sample_ID_Lab
B060903GSVSLG	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/17/2003 2:06	T8	43961	B060903GSVSLG
DEAD-01-SB-005 (1.0-1.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/17/2003 14:21	T8	43997	0306005-09
DEAD-01-SB-005 (6.0-6.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/17/2003 15:07	T8	44001	0306005-10
DEAD-01-SB-006 (2.0-2.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/17/2003 12:03	T8	43985	0306005-06
DEAD-01-SB-006 (6.0-6.5)	68334-30-5	Diesel Range Organics (C12-C24)	17		mg/Kg	12	12	6/17/2003 5:10	T8	43973	0306005-03
DEAD-01-SB-007 (1.0-1.5)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/17/2003 13:35	T8	43993	0306005-08
DEAD-01-SB-007 (5.5-6.0)	68334-30-5	Diesel Range Organics (C12-C24)	17		mg/Kg	12	12	6/17/2003 12:49	T8	43989	0306005-07
DEAD-01-SB-008 (1.0-1.5)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/17/2003 11:17	T8	43981	0306005-04
DEAD-01-SB-008 (2.5-3.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/17/2003 5:56	T8	43977	0306005-05
DEAD-01-SB-009 (1.0-1.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/17/2003 3:38	T8	43965	0306005-01
DEAD-01-SB-009 (4.5-5.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/17/2003 4:24	T8	43969	0306005-02
EC50-01-SB-006 (7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	280		mg/Kg	11	11	6/18/2003 1:50	T8	44041	0306005-20
HRRT-01-SB-005 (11.5-12.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/17/2003 22:46	T8	44025	0306005-16
HRRT-01-SB-005 (14.5-15.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/18/2003 0:18	T8	44033	0306005-18
HRRT-01-SB-005 (7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/17/2003 16:39	T8	44009	0306005-12
HRRT-01-SB-006 (11.5-12.0)	68334-30-5	Diesel Range Organics (C12-C24)	11		mg/Kg	11	11	6/18/2003 1:04	T8	44037	0306005-19
HRRT-01-SB-006 (14.5-15.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/17/2003 22:00	T8	44021	0306005-15
HRRT-01-SB-006 (7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	11		mg/Kg	10	10	6/17/2003 21:14	T8	44017	0306005-14
HRRT-01-SB-007 (1.5-2.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/17/2003 23:32	T8	44029	0306005-17
HRRT-01-SB-007 (14.5-15.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/17/2003 15:53	T8	44005	0306005-11
HRRT-01-SB-007 (8.5-9.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/17/2003 20:28	T8	44013	0306005-13
B060903GSVSLG	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/17/2003 2:06	T8	43962	B060903GSVSLG
DEAD-01-SB-005 (1.0-1.5)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/17/2003 14:21	T8	43998	0306005-09
DEAD-01-SB-005 (6.0-6.5)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/17/2003 15:07	T8	44002	0306005-10
DEAD-01-SB-006 (2.0-2.5)	IT15-49-4	Oil Range Organics (C24-C40)	50	U	mg/Kg	50	50	6/17/2003 12:03	T8	43986	0306005-06
DEAD-01-SB-006 (6.0-6.5)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/17/2003 5:10	T8	43974	0306005-03
DEAD-01-SB-007 (1.0-1.5)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/17/2003 13:35	T8	43994	0306005-08
DEAD-01-SB-007 (5.5-6.0)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/17/2003 12:49	T8	43990	0306005-07
DEAD-01-SB-008 (1.0-1.5)	IT15-49-4	Oil Range Organics (C24-C40)	45	U	mg/Kg	45	45	6/17/2003 11:17	T8	43982	0306005-04
DEAD-01-SB-008 (2.5-3.0)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/17/2003 5:56	T8	43978	0306005-05
DEAD-01-SB-009 (1.0-1.5)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/17/2003 3:38	T8	43966	0306005-01
DEAD-01-SB-009 (4.5-5.0)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/17/2003 4:24	T8	43970	0306005-02
EC50-01-SB-006 (7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	44	U	mg/Kg	44	44	6/18/2003 1:50	T8	44042	0306005-20
HRRT-01-SB-005 (11.5-12.0)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/17/2003 22:46	T8	44026	0306005-16
HRRT-01-SB-005 (14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	45	U	mg/Kg	45	45	6/18/2003 0:18	T8	44034	0306005-18
HRRT-01-SB-005 (7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	46	U	mg/Kg	46	46	6/17/2003 16:39	T8	44010	0306005-12
HRRT-01-SB-006 (11.5-12.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/18/2003 1:04	T8	44038	0306005-19
HRRT-01-SB-006 (14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	47	U	mg/Kg	47	47	6/17/2003 22:00	T8	44022	0306005-15
HRRT-01-SB-006 (7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/17/2003 21:14	T8	44018	0306005-14
HRRT-01-SB-007 (1.5-2.0)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/17/2003 23:32	T8	44030	0306005-17
HRRT-01-SB-007 (14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/17/2003 15:53	T8	44006	0306005-11
HRRT-01-SB-007 (8.5-9.0)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/17/2003 20:28	T8	44014	0306005-13

fs_Sample_ID_Client	fs_CAS_Number	fs_Analyte	ff_Result	fs_Flag	fs_Units	ff_PQL	ff_SDL	ft_Date_Analysis	fs_Fraction	bwk_Result_	fs_Sample_ID_Lab
ATOM-01-SB-001-(4.5-5.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/17/2003 3:34	T8	45596	0305436-09
ATOM-01-SB-001-(7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/17/2003 4:12	T8	45600	0305436-10
ATOM-02-SB-001-(3.5-4.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	13000	D	mg/Kg	1100	1100	6/18/2003 22:21	T8	45652	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	1300	D	mg/Kg	110	110	6/18/2003 4:31	T8	45648	0305436-14DL
ATOM-02-SB-002-(3.5-4.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	780	D	mg/Kg	57	57	6/18/2003 3:53	T8	45647	0305436-11DL
ATOM-02-SB-002-(7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/17/2003 5:28	T8	45607	0305436-12
B060703GSVSLP	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/16/2003 18:47	T8	45571	B060703GSVSLP
EC50-01-SB-006 (14.5-15)DL	68334-30-5	Diesel Range Organics (C12-C24)	810	D	mg/Kg	100	100	6/18/2003 21:43	T8	45651	0306004-03DL
EC50-01-SB-006 (3.5-4.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	380	D	mg/Kg	56	56	6/18/2003 20:28	T8	45649	0306004-01DL
EC50-01-SB-008 (11.5-12.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/17/2003 10:56	T8	45624	0306004-04
EC50-01-SB-106 (14.5-15)DL	68334-30-5	Diesel Range Organics (C12-C24)	850	D	mg/Kg	100	100	6/18/2003 21:05	T8	45650	0306004-02DL
GRJN-01-SB-001-(11.5-12)DL	68334-30-5	Diesel Range Organics (C12-C24)	9500	D	mg/Kg	1000	1000	6/18/2003 23:36	T8	45654	0305436-07DL
GRJN-01-SB-001-(14.5-15)DL	68334-30-5	Diesel Range Organics (C12-C24)	1600	D	mg/Kg	100	100	6/18/2003 3:15	T8	45646	0305436-08DL
GRJN-01-SB-001-(7.5-8.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	14000	D	mg/Kg	1100	1100	6/18/2003 22:58	T8	45653	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	68334-30-5	Diesel Range Organics (C12-C24)	31		mg/Kg	10	10	6/17/2003 6:43	T8	45614	0305436-15
GRJN-01-SB-005 (14.5-15.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/17/2003 11:34	T8	45628	0306004-05
HRRT-01-SB-001-(12-12.5)DL	68334-30-5	Diesel Range Organics (C12-C24)	1100	D	mg/Kg	61	61	6/18/2003 2:37	T8	45645	0305436-03DL
HRRT-01-SB-001-(15.5-16.0)	68334-30-5	Diesel Range Organics (C12-C24)	13		mg/Kg	12	12	6/17/2003 2:19	T8	45589	0305436-05
HRRT-01-SB-001-(3.5-4.0)	68334-30-5	Diesel Range Organics (C12-C24)	180		mg/Kg	10	10	6/16/2003 20:02	T8	45575	0305436-01
HRRT-01-SB-001-(7.5-8.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	3400	D	mg/Kg	210	210	6/18/2003 2:00	T8	45644	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	68334-30-5	Diesel Range Organics (C12-C24)	210		mg/Kg	11	11	6/16/2003 23:10	T8	45585	0305436-04
ATOM-01-SB-001-(4.5-5.0)	IT15-49-4	Oil Range Organics (C24-C40)	44	U	mg/Kg	44	44	6/17/2003 3:34	T8	45597	0305436-09
ATOM-01-SB-001-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	44	U	mg/Kg	44	44	6/17/2003 4:12	T8	45601	0305436-10
ATOM-02-SB-001-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	370		mg/Kg	45	45	6/17/2003 12:12	T8	45632	0305436-13
ATOM-02-SB-001-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	45	U	mg/Kg	45	45	6/17/2003 6:05	T8	45611	0305436-14
ATOM-02-SB-002-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	45	U	mg/Kg	45	45	6/17/2003 4:50	T8	45604	0305436-11
ATOM-02-SB-002-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	44	U	mg/Kg	44	44	6/17/2003 5:28	T8	45608	0305436-12
B060703GSVSLP	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/16/2003 18:47	T8	45572	B060703GSVSLP
EC50-01-SB-006 (14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/17/2003 10:19	T8	45621	0306004-03
EC50-01-SB-006 (3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	45	U	mg/Kg	45	45	6/17/2003 12:49	T8	45635	0306004-01
EC50-01-SB-008 (11.5-12.0)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/17/2003 10:56	T8	45625	0306004-04
EC50-01-SB-106 (14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/17/2003 9:41	T8	45618	0306004-02
GRJN-01-SB-001-(11.5-12.0)	IT15-49-4	Oil Range Organics (C24-C40)	120		mg/Kg	41	41	6/17/2003 14:05	T8	45641	0305436-07
GRJN-01-SB-001-(14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/17/2003 2:56	T8	45593	0305436-08
GRJN-01-SB-001-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	240		mg/Kg	42	42	6/17/2003 13:27	T8	45638	0305436-06
GRJN-01-SB-004-(14.0-14.5)	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/17/2003 6:43	T8	45615	0305436-15
GRJN-01-SB-005 (14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/17/2003 11:34	T8	45629	0306004-05
HRRT-01-SB-001-(12.0-12.5)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/16/2003 22:32	T8	45582	0305436-03
HRRT-01-SB-001-(15.5-16.0)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/17/2003 2:19	T8	45590	0305436-05
HRRT-01-SB-001-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/16/2003 20:02	T8	45576	0305436-01
HRRT-01-SB-001-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	100		mg/Kg	42	42	6/16/2003 21:55	T8	45579	0305436-02
HRRT-01-SB-101-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/16/2003 23:10	T8	45586	0305436-04
300GG-DECON-0503	68334-30-5	Diesel Range Organics (C12-C24)	0.04	U	mg/L	0.04	0.04	6/20/2003 22:05	T8	45659	0306004-06
B060503GSVWLS	68334-30-5	Diesel Range Organics (C12-C24)	0.05	U	mg/L	0.05	0.05	6/20/2003 20:58	T8	45655	B060503GSVWLS
300GG-DECON-0503	IT15-49-4	Oil Range Organics (C24-C40)	0.19	U	mg/L	0.19	0.19	6/20/2003 22:05	T8	45660	0306004-06
B060503GSVWLS	IT15-49-4	Oil Range Organics (C24-C40)	0.2	U	mg/L	0.2	0.2	6/20/2003 20:58	T8	45656	B060503GSVWLS
B060303MVOSF1	71-55-6	1,1,1-Trichloroethane	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43236	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	71-55-6	1,1,1-Trichloroethane	3	U	UG/KG	3	3	6/3/2003 15:50	V6	44774	0305436-15
B060303MVOSF1	79-34-5	1,1,2,2-Tetrachloroethane	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43260	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	79-34-5	1,1,2,2-Tetrachloroethane	3	U	UG/KG	3	3	6/3/2003 15:50	V6	44798	0305436-15
B060303MVOSF1	79-00-5	1,1,2-Trichloroethane	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43247	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	79-00-5	1,1,2-Trichloroethane	3	U	UG/KG	3	3	6/3/2003 15:50	V6	44785	0305436-15

B060303MVOSF1	75-34-3	1,1-Dichloroethane	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43232	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	75-34-3	1,1-Dichloroethane	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44770	0305436-15
B060303MVOSF1	75-35-4	1,1-Dichloroethene	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43227	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	75-35-4	1,1-Dichloroethene	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44765	0305436-15
B060303MVOSF1	107-06-2	1,2-Dichloroethane	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43239	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	107-06-2	1,2-Dichloroethane	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44777	0305436-15
B060303MVOSF1	78-87-5	1,2-Dichloropropane	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43241	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	78-87-5	1,2-Dichloropropane	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44779	0305436-15
B060303MVOSF1	78-93-3	2-Butanone	10 U	UG/KG	10	10	6/3/2003 13:52	V6	43234	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	78-93-3	2-Butanone	10 U	UG/KG	10	10	6/3/2003 15:50	V6	44772	0305436-15
B060303MVOSF1	591-78-6	2-Hexanone	10 U	UG/KG	10	10	6/3/2003 13:52	V6	43250	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	591-78-6	2-Hexanone	10 U	UG/KG	10	10	6/3/2003 15:50	V6	44788	0305436-15
ATOM-01-SB-001-(4.5-5.0)	91-57-6	2-Methylnaphthalene	37 U	UG/KG	37	37	6/11/2003 13:34	SN	45177	0305436-09
ATOM-01-SB-001-(7.5-8.0)	91-57-6	2-Methylnaphthalene	37 U	UG/KG	37	37	6/11/2003 13:52	SN	45194	0305436-10
ATOM-02-SB-001-(3.5-4.0)	91-57-6	2-Methylnaphthalene	13000 E	UG/KG	150	150	6/12/2003 18:46	SN	45245	0305436-13
ATOM-02-SB-001-(3.5-4.0)DL	91-57-6	2-Methylnaphthalene	22000 D	UG/KG	760	760	6/12/2003 18:28	SN	45262	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)	91-57-6	2-Methylnaphthalene	47	UG/KG	37	37	6/11/2003 14:49	SN	45279	0305436-14
ATOM-02-SB-002-(3.5-4.0)	91-57-6	2-Methylnaphthalene	2900	UG/KG	38	38	6/11/2003 14:11	SN	45211	0305436-11
ATOM-02-SB-002-(7.5-8.0)	91-57-6	2-Methylnaphthalene	37 U	UG/KG	37	37	6/11/2003 14:30	SN	45228	0305436-12
B060403MPNSLG	91-57-6	2-Methylnaphthalene	33 U	UG/KG	33	33	6/11/2003 10:44	SN	45432	B060403MPNSLG
B060503MPNSLH	91-57-6	2-Methylnaphthalene	33 U	UG/KG	33	33	6/12/2003 10:38	SN	45449	B060503MPNSLH
EC50-01-SB-006 (14.5-15)DL	91-57-6	2-Methylnaphthalene	430 D	UG/KG	68	68	6/13/2003 9:48	SN	45381	0306004-03DL
EC50-01-SB-006 (14.5-15.0)	91-57-6	2-Methylnaphthalene	420	UG/KG	34	34	6/12/2003 11:35	SN	45364	0306004-03
EC50-01-SB-006 (3.5-4.0)	91-57-6	2-Methylnaphthalene	150 U	UG/KG	150	150	6/12/2003 12:13	SN	45313	0306004-01
EC50-01-SB-106 (14.5-15)DL	91-57-6	2-Methylnaphthalene	480 D	UG/KG	69	69	6/13/2003 9:29	SN	45347	0306004-02DL
EC50-01-SB-106 (14.5-15.0)	91-57-6	2-Methylnaphthalene	450	UG/KG	34	34	6/12/2003 11:16	SN	45330	0306004-02
GRJN-01-SB-001-(11.5-12)DL	91-57-6	2-Methylnaphthalene	53000 D	UG/KG	1400	1400	6/12/2003 17:50	SN	45126	0305436-07DL
GRJN-01-SB-001-(11.5-12.0)	91-57-6	2-Methylnaphthalene	49000 E	UG/KG	340	340	6/12/2003 18:09	SN	45109	0305436-07
GRJN-01-SB-001-(14.5-15)DL	91-57-6	2-Methylnaphthalene	3100 D	UG/KG	67	67	6/12/2003 16:54	SN	45160	0305436-08DL
GRJN-01-SB-001-(14.5-15.0)	91-57-6	2-Methylnaphthalene	3000 E	UG/KG	34	34	6/11/2003 13:15	SN	45143	0305436-08
GRJN-01-SB-001-(7.5-8.0)	91-57-6	2-Methylnaphthalene	38000 E	UG/KG	140	140	6/11/2003 16:22	SN	45075	0305436-06
GRJN-01-SB-001-(7.5-8.0)DL	91-57-6	2-Methylnaphthalene	32000 D	UG/KG	700	700	6/12/2003 17:31	SN	45092	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	91-57-6	2-Methylnaphthalene	34 U	UG/KG	34	34	6/11/2003 15:07	SN	45296	0305436-15
GRJN-01-SB-005 (14.5-15.0)	91-57-6	2-Methylnaphthalene	34 U	UG/KG	34	34	6/12/2003 11:54	SN	45398	0306004-05
HRRT-01-SB-001-(12.0-12.5)	91-57-6	2-Methylnaphthalene	41 U	UG/KG	41	41	6/11/2003 12:18	SN	45024	0305436-03
HRRT-01-SB-001-(15.5-16.0)	91-57-6	2-Methylnaphthalene	40 U	UG/KG	40	40	6/11/2003 12:56	SN	45058	0305436-05
HRRT-01-SB-001-(3.5-4.0)	91-57-6	2-Methylnaphthalene	35 U	UG/KG	35	35	6/11/2003 11:22	SN	44973	0305436-01
HRRT-01-SB-001-(7.5-8.0)	91-57-6	2-Methylnaphthalene	35 U	UG/KG	35	35	6/11/2003 15:45	SN	44990	0305436-02
HRRT-01-SB-001-(7.5-8.0)DL	91-57-6	2-Methylnaphthalene	140 U	UG/KG	140	140	6/12/2003 17:13	SN	45007	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	91-57-6	2-Methylnaphthalene	35 U	UG/KG	35	35	6/11/2003 12:37	SN	45041	0305436-04
B060303MVOSF1	108-10-1	4-Methyl-2-pentanone	10 U	UG/KG	10	10	6/3/2003 13:52	V6	43244	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	108-10-1	4-Methyl-2-pentanone	10 U	UG/KG	10	10	6/3/2003 15:50	V6	44782	0305436-15
ATOM-01-SB-001-(4.5-5.0)	83-32-9	Acenaphthene	37 U	UG/KG	37	37	6/11/2003 13:34	SN	45179	0305436-09
ATOM-01-SB-001-(7.5-8.0)	83-32-9	Acenaphthene	37 U	UG/KG	37	37	6/11/2003 13:52	SN	45196	0305436-10
ATOM-02-SB-001-(3.5-4.0)	83-32-9	Acenaphthene	1600	UG/KG	150	150	6/12/2003 18:46	SN	45247	0305436-13
ATOM-02-SB-001-(3.5-4.0)DL	83-32-9	Acenaphthene	2200 D	UG/KG	760	760	6/12/2003 18:28	SN	45264	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)	83-32-9	Acenaphthene	49	UG/KG	37	37	6/11/2003 14:49	SN	45281	0305436-14
ATOM-02-SB-002-(3.5-4.0)	83-32-9	Acenaphthene	260	UG/KG	38	38	6/11/2003 14:11	SN	45213	0305436-11
ATOM-02-SB-002-(7.5-8.0)	83-32-9	Acenaphthene	37 U	UG/KG	37	37	6/11/2003 14:30	SN	45230	0305436-12
B060403MPNSLG	83-32-9	Acenaphthene	33 U	UG/KG	33	33	6/11/2003 10:44	SN	45434	B060403MPNSLG
B060503MPNSLH	83-32-9	Acenaphthene	33 U	UG/KG	33	33	6/12/2003 10:38	SN	45451	B060503MPNSLH
EC50-01-SB-006 (14.5-15)DL	83-32-9	Acenaphthene	68 U	UG/KG	68	68	6/13/2003 9:48	SN	45383	0306004-03DL
EC50-01-SB-006 (14.5-15.0)	83-32-9	Acenaphthene	34 U	UG/KG	34	34	6/12/2003 11:35	SN	45366	0306004-03

EC50-01-SB-006 (3.5-4.0)	83-32-9	Acenaphthene	150 U	UG/KG	150	150	6/12/2003 12:13	SN	45315	0306004-01
EC50-01-SB-106 (14.5-15)DL	83-32-9	Acenaphthene	69 U	UG/KG	69	69	6/13/2003 9:29	SN	45349	0306004-02DL
EC50-01-SB-106 (14.5-15.0)	83-32-9	Acenaphthene	34 U	UG/KG	34	34	6/12/2003 11:16	SN	45332	0306004-02
GRJN-01-SB-001-(11.5-12)DL	83-32-9	Acenaphthene	1400 U	UG/KG	1400	1400	6/12/2003 17:50	SN	45128	0305436-07DL
GRJN-01-SB-001-(11.5-12.0)	83-32-9	Acenaphthene	340 U	UG/KG	340	340	6/12/2003 18:09	SN	45111	0305436-07
GRJN-01-SB-001-(14.5-15)DL	83-32-9	Acenaphthene	67 U	UG/KG	67	67	6/12/2003 16:54	SN	45162	0305436-08DL
GRJN-01-SB-001-(14.5-15.0)	83-32-9	Acenaphthene	34 U	UG/KG	34	34	6/11/2003 13:15	SN	45145	0305436-08
GRJN-01-SB-001-(7.5-8.0)	83-32-9	Acenaphthene	760	UG/KG	140	140	6/11/2003 16:22	SN	45077	0305436-06
GRJN-01-SB-001-(7.5-8.0)DL	83-32-9	Acenaphthene	970 D	UG/KG	700	700	6/12/2003 17:31	SN	45094	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	83-32-9	Acenaphthene	34 U	UG/KG	34	34	6/11/2003 15:07	SN	45298	0305436-15
GRJN-01-SB-005 (14.5-15.0)	83-32-9	Acenaphthene	34 U	UG/KG	34	34	6/12/2003 11:54	SN	45400	0306004-05
HRRT-01-SB-001-(12.0-12.5)	83-32-9	Acenaphthene	41 U	UG/KG	41	41	6/11/2003 12:18	SN	45026	0305436-03
HRRT-01-SB-001-(15.5-16.0)	83-32-9	Acenaphthene	40 U	UG/KG	40	40	6/11/2003 12:56	SN	45060	0305436-05
HRRT-01-SB-001-(3.5-4.0)	83-32-9	Acenaphthene	35 U	UG/KG	35	35	6/11/2003 11:22	SN	44975	0305436-01
HRRT-01-SB-001-(7.5-8.0)	83-32-9	Acenaphthene	35 U	UG/KG	35	35	6/11/2003 15:45	SN	44992	0305436-02
HRRT-01-SB-001-(7.5-8.0)DL	83-32-9	Acenaphthene	140 U	UG/KG	140	140	6/12/2003 17:13	SN	45009	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	83-32-9	Acenaphthene	35 U	UG/KG	35	35	6/11/2003 12:37	SN	45043	0305436-04
ATOM-01-SB-001-(4.5-5.0)	208-96-8	Acenaphthylene	37 U	UG/KG	37	37	6/11/2003 13:34	SN	45178	0305436-09
ATOM-01-SB-001-(7.5-8.0)	208-96-8	Acenaphthylene	37 U	UG/KG	37	37	6/11/2003 13:52	SN	45195	0305436-10
ATOM-02-SB-001-(3.5-4.0)	208-96-8	Acenaphthylene	150 U	UG/KG	150	150	6/12/2003 18:46	SN	45246	0305436-13
ATOM-02-SB-001-(3.5-4.0)DL	208-96-8	Acenaphthylene	760 U	UG/KG	760	760	6/12/2003 18:28	SN	45263	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)	208-96-8	Acenaphthylene	37 U	UG/KG	37	37	6/11/2003 14:49	SN	45280	0305436-14
ATOM-02-SB-002-(3.5-4.0)	208-96-8	Acenaphthylene	38 U	UG/KG	38	38	6/11/2003 14:11	SN	45212	0305436-11
ATOM-02-SB-002-(7.5-8.0)	208-96-8	Acenaphthylene	37 U	UG/KG	37	37	6/11/2003 14:30	SN	45229	0305436-12
B060403MPNSLG	208-96-8	Acenaphthylene	33 U	UG/KG	33	33	6/11/2003 10:44	SN	45433	B060403MPNSLG
B060503MPNSLH	208-96-8	Acenaphthylene	33 U	UG/KG	33	33	6/12/2003 10:38	SN	45450	B060503MPNSLH
EC50-01-SB-006 (14.5-15)DL	208-96-8	Acenaphthylene	68 U	UG/KG	68	68	6/13/2003 9:48	SN	45382	0306004-03DL
EC50-01-SB-006 (14.5-15.0)	208-96-8	Acenaphthylene	34 U	UG/KG	34	34	6/12/2003 11:35	SN	45365	0306004-03
EC50-01-SB-006 (3.5-4.0)	208-96-8	Acenaphthylene	150 U	UG/KG	150	150	6/12/2003 12:13	SN	45314	0306004-01
EC50-01-SB-106 (14.5-15)DL	208-96-8	Acenaphthylene	69 U	UG/KG	69	69	6/13/2003 9:29	SN	45348	0306004-02DL
EC50-01-SB-106 (14.5-15.0)	208-96-8	Acenaphthylene	34 U	UG/KG	34	34	6/12/2003 11:16	SN	45331	0306004-02
GRJN-01-SB-001-(11.5-12)DL	208-96-8	Acenaphthylene	1400 U	UG/KG	1400	1400	6/12/2003 17:50	SN	45127	0305436-07DL
GRJN-01-SB-001-(11.5-12.0)	208-96-8	Acenaphthylene	340 U	UG/KG	340	340	6/12/2003 18:09	SN	45110	0305436-07
GRJN-01-SB-001-(14.5-15)DL	208-96-8	Acenaphthylene	67 U	UG/KG	67	67	6/12/2003 16:54	SN	45161	0305436-08DL
GRJN-01-SB-001-(14.5-15.0)	208-96-8	Acenaphthylene	34 U	UG/KG	34	34	6/11/2003 13:15	SN	45144	0305436-08
GRJN-01-SB-001-(7.5-8.0)	208-96-8	Acenaphthylene	140 U	UG/KG	140	140	6/11/2003 16:22	SN	45076	0305436-06
GRJN-01-SB-001-(7.5-8.0)DL	208-96-8	Acenaphthylene	700 U	UG/KG	700	700	6/12/2003 17:31	SN	45093	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	208-96-8	Acenaphthylene	34 U	UG/KG	34	34	6/11/2003 15:07	SN	45297	0305436-15
GRJN-01-SB-005 (14.5-15.0)	208-96-8	Acenaphthylene	34 U	UG/KG	34	34	6/12/2003 11:54	SN	45399	0306004-05
HRRT-01-SB-001-(12.0-12.5)	208-96-8	Acenaphthylene	41 U	UG/KG	41	41	6/11/2003 12:18	SN	45025	0305436-03
HRRT-01-SB-001-(15.5-16.0)	208-96-8	Acenaphthylene	40 U	UG/KG	40	40	6/11/2003 12:56	SN	45059	0305436-05
HRRT-01-SB-001-(3.5-4.0)	208-96-8	Acenaphthylene	35 U	UG/KG	35	35	6/11/2003 11:22	SN	44974	0305436-01
HRRT-01-SB-001-(7.5-8.0)	208-96-8	Acenaphthylene	35 U	UG/KG	35	35	6/11/2003 15:45	SN	44991	0305436-02
HRRT-01-SB-001-(7.5-8.0)DL	208-96-8	Acenaphthylene	140 U	UG/KG	140	140	6/12/2003 17:13	SN	45008	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	208-96-8	Acenaphthylene	35 U	UG/KG	35	35	6/11/2003 12:37	SN	45042	0305436-04
B060303MVOSF1	67-64-1	Acetone	10 U	UG/KG	10	10	6/3/2003 13:52	V6	43228	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	67-64-1	Acetone	8 J	UG/KG	10	10	6/3/2003 15:50	V6	44766	0305436-15
ATOM-01-SB-001-(4.5-5.0)	120-12-7	Anthracene	37 U	UG/KG	37	37	6/11/2003 13:34	SN	45182	0305436-09
ATOM-01-SB-001-(7.5-8.0)	120-12-7	Anthracene	37 U	UG/KG	37	37	6/11/2003 13:52	SN	45199	0305436-10
ATOM-02-SB-001-(3.5-4.0)	120-12-7	Anthracene	150 U	UG/KG	150	150	6/12/2003 18:46	SN	45250	0305436-13
ATOM-02-SB-001-(3.5-4.0)DL	120-12-7	Anthracene	760 U	UG/KG	760	760	6/12/2003 18:28	SN	45267	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)	120-12-7	Anthracene	34 J	UG/KG	37	37	6/11/2003 14:49	SN	45284	0305436-14
ATOM-02-SB-002-(3.5-4.0)	120-12-7	Anthracene	38 U	UG/KG	38	38	6/11/2003 14:11	SN	45216	0305436-11

ATOM-02-SB-002-(7.5-8.0)	120-12-7	Anthracene	37	U	UG/KG	37	37	6/11/2003 14:30	SN	45233	0305436-12
B060403MPNSLG	120-12-7	Anthracene	33	U	UG/KG	33	33	6/11/2003 10:44	SN	45437	B060403MPNSLG
B060503MPNSLH	120-12-7	Anthracene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45454	B060503MPNSLH
EC50-01-SB-006 (14.5-15)DL	120-12-7	Anthracene	68	U	UG/KG	68	68	6/13/2003 9:48	SN	45386	0306004-03DL
EC50-01-SB-006 (14.5-15.0)	120-12-7	Anthracene	34	U	UG/KG	34	34	6/12/2003 11:35	SN	45369	0306004-03
EC50-01-SB-006 (3.5-4.0)	120-12-7	Anthracene	150	U	UG/KG	150	150	6/12/2003 12:13	SN	45318	0306004-01
EC50-01-SB-106 (14.5-15)DL	120-12-7	Anthracene	69	U	UG/KG	69	69	6/13/2003 9:29	SN	45352	0306004-02DL
EC50-01-SB-106 (14.5-15.0)	120-12-7	Anthracene	34	U	UG/KG	34	34	6/12/2003 11:16	SN	45335	0306004-02
GRJN-01-SB-001-(11.5-12)DL	120-12-7	Anthracene	1400	U	UG/KG	1400	1400	6/12/2003 17:50	SN	45131	0305436-07DL
GRJN-01-SB-001-(11.5-12.0)	120-12-7	Anthracene	340	U	UG/KG	340	340	6/12/2003 18:09	SN	45114	0305436-07
GRJN-01-SB-001-(14.5-15)DL	120-12-7	Anthracene	67	U	UG/KG	67	67	6/12/2003 16:54	SN	45165	0305436-08DL
GRJN-01-SB-001-(14.5-15.0)	120-12-7	Anthracene	34	U	UG/KG	34	34	6/11/2003 13:15	SN	45148	0305436-08
GRJN-01-SB-001-(7.5-8.0)	120-12-7	Anthracene	140	U	UG/KG	140	140	6/11/2003 16:22	SN	45080	0305436-06
GRJN-01-SB-001-(7.5-8.0)DL	120-12-7	Anthracene	700	U	UG/KG	700	700	6/12/2003 17:31	SN	45097	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	120-12-7	Anthracene	34	U	UG/KG	34	34	6/11/2003 15:07	SN	45301	0305436-15
GRJN-01-SB-005 (14.5-15.0)	120-12-7	Anthracene	34	U	UG/KG	34	34	6/12/2003 11:54	SN	45403	0306004-05
HRRT-01-SB-001-(12.0-12.5)	120-12-7	Anthracene	41	U	UG/KG	41	41	6/11/2003 12:18	SN	45029	0305436-03
HRRT-01-SB-001-(15.5-16.0)	120-12-7	Anthracene	40	U	UG/KG	40	40	6/11/2003 12:56	SN	45063	0305436-05
HRRT-01-SB-001-(3.5-4.0)	120-12-7	Anthracene	35	U	UG/KG	35	35	6/11/2003 11:22	SN	44978	0305436-01
HRRT-01-SB-001-(7.5-8.0)	120-12-7	Anthracene	35	U	UG/KG	35	35	6/11/2003 15:45	SN	44995	0305436-02
HRRT-01-SB-001-(7.5-8.0)DL	120-12-7	Anthracene	140	U	UG/KG	140	140	6/12/2003 17:13	SN	45012	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	120-12-7	Anthracene	35	U	UG/KG	35	35	6/11/2003 12:37	SN	45046	0305436-04
ATOM-01-SB-001-(4.5-5.0)	71-43-2	Benzene	44	U	ug/Kg	44	22	6/8/2003 0:17	8X	44885	0305436-09
ATOM-01-SB-001-(7.5-8.0)	71-43-2	Benzene	44	U	ug/Kg	44	22	6/8/2003 0:56	8X	44890	0305436-10
ATOM-02-SB-002-(3.5-4.0)	71-43-2	Benzene	45	U	ug/Kg	45	23	6/8/2003 2:14	8X	44895	0305436-11
ATOM-02-SB-002-(7.5-8.0)	71-43-2	Benzene	44	U	ug/Kg	44	22	6/8/2003 2:53	8X	44900	0305436-12
B060303MVOSF1	71-43-2	Benzene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43238	B060303MVOSF1
B060603GVOSK1	71-43-2	Benzene	40	U	ug/Kg	40	20	6/7/2003 15:13	8X	44935	B060603GVOSK1
B060603GVOSK1RE	71-43-2	Benzene	40	U	ug/Kg	40	20	6/9/2003 6:45	8X	44940	B060603GVOSK1RE
EC50-01-SB-006 (14.5-15.0)	71-43-2	Benzene	41	U	ug/Kg	41	20	6/9/2003 9:20	8X	44915	0306004-03
EC50-01-SB-006 (3.5-4.0)	71-43-2	Benzene	45	U	ug/Kg	45	22	6/9/2003 8:03	8X	44905	0306004-01
EC50-01-SB-106 (14.5-15.0)	71-43-2	Benzene	41	U	ug/Kg	41	21	6/9/2003 8:41	8X	44910	0306004-02
GRJN-01-SB-001-(11.5-12.0)	71-43-2	Benzene	41	U	ug/Kg	41	20	6/7/2003 19:45	8X	44875	0305436-07
GRJN-01-SB-001-(14.5-15.0)	71-43-2	Benzene	40	U	ug/Kg	40	20	6/7/2003 20:24	8X	44880	0305436-08
GRJN-01-SB-001-(7.5-8.0)	71-43-2	Benzene	42	U	ug/Kg	42	21	6/7/2003 19:07	8X	44870	0305436-06
GRJN-01-SB-004-(14.0-14.5)	71-43-2	Benzene	3	U	UG/KG	3	3	6/3/2003 15:50	V6	44776	0305436-15
GRJN-01-SB-005 (14.5-15.0)	71-43-2	Benzene	40	U	ug/Kg	40	20	6/9/2003 9:59	8X	44920	0306004-05
HRRT-01-SB-001-(12.0-12.5)	71-43-2	Benzene	49	U	ug/Kg	49	24	6/7/2003 17:10	8X	44855	0305436-03
HRRT-01-SB-001-(15.5-16.0)	71-43-2	Benzene	48	U	ug/Kg	48	24	6/7/2003 18:28	8X	44865	0305436-05
HRRT-01-SB-001-(3.5-4.0)	71-43-2	Benzene	42	U	ug/Kg	42	21	6/7/2003 22:21	8X	44845	0305436-01
HRRT-01-SB-001-(7.5-8.0)	71-43-2	Benzene	42	U	ug/Kg	42	21	6/7/2003 16:31	8X	44850	0305436-02
HRRT-01-SB-101-(3.5-4.0)	71-43-2	Benzene	42	U	ug/Kg	42	21	6/7/2003 17:49	8X	44860	0305436-04
ATOM-01-SB-001-(4.5-5.0)	56-55-3	Benzo[a]anthracene	37	U	UG/KG	37	37	6/11/2003 13:34	SN	45184	0305436-09
ATOM-01-SB-001-(7.5-8.0)	56-55-3	Benzo[a]anthracene	37	U	UG/KG	37	37	6/11/2003 13:52	SN	45201	0305436-10
ATOM-02-SB-001-(3.5-4.0)	56-55-3	Benzo[a]anthracene	150	U	UG/KG	150	150	6/12/2003 18:46	SN	45252	0305436-13
ATOM-02-SB-001-(3.5-4.0)DL	56-55-3	Benzo[a]anthracene	760	U	UG/KG	760	760	6/12/2003 18:28	SN	45269	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)	56-55-3	Benzo[a]anthracene	37	U	UG/KG	37	37	6/11/2003 14:49	SN	45286	0305436-14
ATOM-02-SB-002-(3.5-4.0)	56-55-3	Benzo[a]anthracene	38	U	UG/KG	38	38	6/11/2003 14:11	SN	45218	0305436-11
ATOM-02-SB-002-(7.5-8.0)	56-55-3	Benzo[a]anthracene	37	U	UG/KG	37	37	6/11/2003 14:30	SN	45235	0305436-12
B060403MPNSLG	56-55-3	Benzo[a]anthracene	33	U	UG/KG	33	33	6/11/2003 10:44	SN	45439	B060403MPNSLG
B060503MPNSLH	56-55-3	Benzo[a]anthracene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45456	B060503MPNSLH
EC50-01-SB-006 (14.5-15)DL	56-55-3	Benzo[a]anthracene	68	U	UG/KG	68	68	6/13/2003 9:48	SN	45388	0306004-03DL
EC50-01-SB-006 (14.5-15.0)	56-55-3	Benzo[a]anthracene	34	U	UG/KG	34	34	6/12/2003 11:35	SN	45371	0306004-03

EC50-01-SB-006 (3.5-4.0)	56-55-3	Benzo[a]anthracene	150 U	UG/KG	150	150	6/12/2003 12:13	SN	45320	0306004-01
EC50-01-SB-106 (14.5-15)DL	56-55-3	Benzo[a]anthracene	69 U	UG/KG	69	69	6/13/2003 9:29	SN	45354	0306004-02DL
EC50-01-SB-106 (14.5-15.0)	56-55-3	Benzo[a]anthracene	34 U	UG/KG	34	34	6/12/2003 11:16	SN	45337	0306004-02
GRJN-01-SB-001-(11.5-12)DL	56-55-3	Benzo[a]anthracene	1400 U	UG/KG	1400	1400	6/12/2003 17:50	SN	45133	0305436-07DL
GRJN-01-SB-001-(11.5-12.0)	56-55-3	Benzo[a]anthracene	340 U	UG/KG	340	340	6/12/2003 18:09	SN	45116	0305436-07
GRJN-01-SB-001-(14.5-15)DL	56-55-3	Benzo[a]anthracene	67 U	UG/KG	67	67	6/12/2003 16:54	SN	45167	0305436-08DL
GRJN-01-SB-001-(14.5-15.0)	56-55-3	Benzo[a]anthracene	34 U	UG/KG	34	34	6/11/2003 13:15	SN	45150	0305436-08
GRJN-01-SB-001-(7.5-8.0)	56-55-3	Benzo[a]anthracene	140 U	UG/KG	140	140	6/11/2003 16:22	SN	45082	0305436-06
GRJN-01-SB-001-(7.5-8.0)DL	56-55-3	Benzo[a]anthracene	700 U	UG/KG	700	700	6/12/2003 17:31	SN	45099	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	56-55-3	Benzo[a]anthracene	34 U	UG/KG	34	34	6/11/2003 15:07	SN	45303	0305436-15
GRJN-01-SB-005 (14.5-15.0)	56-55-3	Benzo[a]anthracene	34 U	UG/KG	34	34	6/12/2003 11:54	SN	45405	0306004-05
HRRT-01-SB-001-(12.0-12.5)	56-55-3	Benzo[a]anthracene	41 U	UG/KG	41	41	6/11/2003 12:18	SN	45031	0305436-03
HRRT-01-SB-001-(15.5-16.0)	56-55-3	Benzo[a]anthracene	40 U	UG/KG	40	40	6/11/2003 12:56	SN	45065	0305436-05
HRRT-01-SB-001-(3.5-4.0)	56-55-3	Benzo[a]anthracene	35 U	UG/KG	35	35	6/11/2003 11:22	SN	44980	0305436-01
HRRT-01-SB-001-(7.5-8.0)	56-55-3	Benzo[a]anthracene	35 U	UG/KG	35	35	6/11/2003 15:45	SN	44997	0305436-02
HRRT-01-SB-001-(7.5-8.0)DL	56-55-3	Benzo[a]anthracene	140 U	UG/KG	140	140	6/12/2003 17:13	SN	45014	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	56-55-3	Benzo[a]anthracene	35 U	UG/KG	35	35	6/11/2003 12:37	SN	45048	0305436-04
ATOM-01-SB-001-(4.5-5.0)	50-32-8	Benzo[a]pyrene	37 U	UG/KG	37	37	6/11/2003 13:34	SN	45188	0305436-09
ATOM-01-SB-001-(7.5-8.0)	50-32-8	Benzo[a]pyrene	37 U	UG/KG	37	37	6/11/2003 13:52	SN	45205	0305436-10
ATOM-02-SB-001-(3.5-4.0)	50-32-8	Benzo[a]pyrene	150 U	UG/KG	150	150	6/12/2003 18:46	SN	45256	0305436-13
ATOM-02-SB-001-(3.5-4.0)DL	50-32-8	Benzo[a]pyrene	760 U	UG/KG	760	760	6/12/2003 18:28	SN	45273	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)	50-32-8	Benzo[a]pyrene	37 U	UG/KG	37	37	6/11/2003 14:49	SN	45290	0305436-14
ATOM-02-SB-002-(3.5-4.0)	50-32-8	Benzo[a]pyrene	38 U	UG/KG	38	38	6/11/2003 14:11	SN	45222	0305436-11
ATOM-02-SB-002-(7.5-8.0)	50-32-8	Benzo[a]pyrene	37 U	UG/KG	37	37	6/11/2003 14:30	SN	45239	0305436-12
B060403MPNSLG	50-32-8	Benzo[a]pyrene	33 U	UG/KG	33	33	6/11/2003 10:44	SN	45443	B060403MPNSLG
B060503MPNSLH	50-32-8	Benzo[a]pyrene	33 U	UG/KG	33	33	6/12/2003 10:38	SN	45460	B060503MPNSLH
EC50-01-SB-006 (14.5-15)DL	50-32-8	Benzo[a]pyrene	68 U	UG/KG	68	68	6/13/2003 9:48	SN	45392	0306004-03DL
EC50-01-SB-006 (14.5-15.0)	50-32-8	Benzo[a]pyrene	34 U	UG/KG	34	34	6/12/2003 11:35	SN	45375	0306004-03
EC50-01-SB-006 (3.5-4.0)	50-32-8	Benzo[a]pyrene	150 U	UG/KG	150	150	6/12/2003 12:13	SN	45324	0306004-01
EC50-01-SB-106 (14.5-15)DL	50-32-8	Benzo[a]pyrene	69 U	UG/KG	69	69	6/13/2003 9:29	SN	45358	0306004-02DL
EC50-01-SB-106 (14.5-15.0)	50-32-8	Benzo[a]pyrene	34 U	UG/KG	34	34	6/12/2003 11:16	SN	45341	0306004-02
GRJN-01-SB-001-(11.5-12)DL	50-32-8	Benzo[a]pyrene	1400 U	UG/KG	1400	1400	6/12/2003 17:50	SN	45137	0305436-07DL
GRJN-01-SB-001-(11.5-12.0)	50-32-8	Benzo[a]pyrene	340 U	UG/KG	340	340	6/12/2003 18:09	SN	45120	0305436-07
GRJN-01-SB-001-(14.5-15)DL	50-32-8	Benzo[a]pyrene	67 U	UG/KG	67	67	6/12/2003 16:54	SN	45171	0305436-08DL
GRJN-01-SB-001-(14.5-15.0)	50-32-8	Benzo[a]pyrene	34 U	UG/KG	34	34	6/11/2003 13:15	SN	45154	0305436-08
GRJN-01-SB-001-(7.5-8.0)	50-32-8	Benzo[a]pyrene	140 U	UG/KG	140	140	6/11/2003 16:22	SN	45086	0305436-06
GRJN-01-SB-001-(7.5-8.0)DL	50-32-8	Benzo[a]pyrene	700 U	UG/KG	700	700	6/12/2003 17:31	SN	45103	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	50-32-8	Benzo[a]pyrene	34 U	UG/KG	34	34	6/11/2003 15:07	SN	45307	0305436-15
GRJN-01-SB-005 (14.5-15.0)	50-32-8	Benzo[a]pyrene	34 U	UG/KG	34	34	6/12/2003 11:54	SN	45409	0306004-05
HRRT-01-SB-001-(12.0-12.5)	50-32-8	Benzo[a]pyrene	41 U	UG/KG	41	41	6/11/2003 12:18	SN	45035	0305436-03
HRRT-01-SB-001-(15.5-16.0)	50-32-8	Benzo[a]pyrene	40 U	UG/KG	40	40	6/11/2003 12:56	SN	45069	0305436-05
HRRT-01-SB-001-(3.5-4.0)	50-32-8	Benzo[a]pyrene	35 U	UG/KG	35	35	6/11/2003 11:22	SN	44984	0305436-01
HRRT-01-SB-001-(7.5-8.0)	50-32-8	Benzo[a]pyrene	35 U	UG/KG	35	35	6/11/2003 15:45	SN	45001	0305436-02
HRRT-01-SB-001-(7.5-8.0)DL	50-32-8	Benzo[a]pyrene	140 U	UG/KG	140	140	6/12/2003 17:13	SN	45018	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	50-32-8	Benzo[a]pyrene	35 U	UG/KG	35	35	6/11/2003 12:37	SN	45052	0305436-04
ATOM-01-SB-001-(4.5-5.0)	205-99-2	Benzo[b]fluoranthene	37 U	UG/KG	37	37	6/11/2003 13:34	SN	45186	0305436-09
ATOM-01-SB-001-(7.5-8.0)	205-99-2	Benzo[b]fluoranthene	37 U	UG/KG	37	37	6/11/2003 13:52	SN	45203	0305436-10
ATOM-02-SB-001-(3.5-4.0)	205-99-2	Benzo[b]fluoranthene	150 U	UG/KG	150	150	6/12/2003 18:46	SN	45254	0305436-13
ATOM-02-SB-001-(3.5-4.0)DL	205-99-2	Benzo[b]fluoranthene	760 U	UG/KG	760	760	6/12/2003 18:28	SN	45271	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)	205-99-2	Benzo[b]fluoranthene	37 U	UG/KG	37	37	6/11/2003 14:49	SN	45288	0305436-14
ATOM-02-SB-002-(3.5-4.0)	205-99-2	Benzo[b]fluoranthene	38 U	UG/KG	38	38	6/11/2003 14:11	SN	45220	0305436-11
ATOM-02-SB-002-(7.5-8.0)	205-99-2	Benzo[b]fluoranthene	37 U	UG/KG	37	37	6/11/2003 14:30	SN	45237	0305436-12
B060403MPNSLG	205-99-2	Benzo[b]fluoranthene	33 U	UG/KG	33	33	6/11/2003 10:44	SN	45441	B060403MPNSLG

B060503MPNSLH	205-99-2	Benzo[b]fluoranthene	33 U	UG/KG	33	33	6/12/2003 10:38	SN	45458	B060503MPNSLH
EC50-01-SB-006 (14.5-15)DL	205-99-2	Benzo[b]fluoranthene	68 U	UG/KG	68	68	6/13/2003 9:48	SN	45390	0306004-03DL
EC50-01-SB-006 (14.5-15.0)	205-99-2	Benzo[b]fluoranthene	34 U	UG/KG	34	34	6/12/2003 11:35	SN	45373	0306004-03
EC50-01-SB-006 (3.5-4.0)	205-99-2	Benzo[b]fluoranthene	150 U	UG/KG	150	150	6/12/2003 12:13	SN	45322	0306004-01
EC50-01-SB-106 (14.5-15)DL	205-99-2	Benzo[b]fluoranthene	69 U	UG/KG	69	69	6/13/2003 9:29	SN	45356	0306004-02DL
EC50-01-SB-106 (14.5-15.0)	205-99-2	Benzo[b]fluoranthene	34 U	UG/KG	34	34	6/12/2003 11:16	SN	45339	0306004-02
GRJN-01-SB-001-(11.5-12)DL	205-99-2	Benzo[b]fluoranthene	1400 U	UG/KG	1400	1400	6/12/2003 17:50	SN	45135	0305436-07DL
GRJN-01-SB-001-(11.5-12.0)	205-99-2	Benzo[b]fluoranthene	340 U	UG/KG	340	340	6/12/2003 18:09	SN	45118	0305436-07
GRJN-01-SB-001-(14.5-15)DL	205-99-2	Benzo[b]fluoranthene	67 U	UG/KG	67	67	6/12/2003 16:54	SN	45169	0305436-08DL
GRJN-01-SB-001-(14.5-15.0)	205-99-2	Benzo[b]fluoranthene	34 U	UG/KG	34	34	6/11/2003 13:15	SN	45152	0305436-08
GRJN-01-SB-001-(7.5-8.0)	205-99-2	Benzo[b]fluoranthene	140 U	UG/KG	140	140	6/11/2003 16:22	SN	45084	0305436-06
GRJN-01-SB-001-(7.5-8.0)DL	205-99-2	Benzo[b]fluoranthene	700 U	UG/KG	700	700	6/12/2003 17:31	SN	45101	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	205-99-2	Benzo[b]fluoranthene	34 U	UG/KG	34	34	6/11/2003 15:07	SN	45305	0305436-15
GRJN-01-SB-005 (14.5-15.0)	205-99-2	Benzo[b]fluoranthene	34 U	UG/KG	34	34	6/12/2003 11:54	SN	45407	0306004-05
HRRT-01-SB-001-(12.0-12.5)	205-99-2	Benzo[b]fluoranthene	41 U	UG/KG	41	41	6/11/2003 12:18	SN	45033	0305436-03
HRRT-01-SB-001-(15.5-16.0)	205-99-2	Benzo[b]fluoranthene	40 U	UG/KG	40	40	6/11/2003 12:56	SN	45067	0305436-05
HRRT-01-SB-001-(3.5-4.0)	205-99-2	Benzo[b]fluoranthene	35 U	UG/KG	35	35	6/11/2003 11:22	SN	44982	0305436-01
HRRT-01-SB-001-(7.5-8.0)	205-99-2	Benzo[b]fluoranthene	35 U	UG/KG	35	35	6/11/2003 15:45	SN	44999	0305436-02
HRRT-01-SB-001-(7.5-8.0)DL	205-99-2	Benzo[b]fluoranthene	140 U	UG/KG	140	140	6/12/2003 17:13	SN	45016	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	205-99-2	Benzo[b]fluoranthene	35 U	UG/KG	35	35	6/11/2003 12:37	SN	45050	0305436-04
ATOM-01-SB-001-(4.5-5.0)	191-24-2	Benzo[g,h,I]perylene	37 U	UG/KG	37	37	6/11/2003 13:34	SN	45191	0305436-09
ATOM-01-SB-001-(7.5-8.0)	191-24-2	Benzo[g,h,I]perylene	37 U	UG/KG	37	37	6/11/2003 13:52	SN	45208	0305436-10
ATOM-02-SB-001-(3.5-4.0)	191-24-2	Benzo[g,h,I]perylene	150 U	UG/KG	150	150	6/12/2003 18:46	SN	45259	0305436-13
ATOM-02-SB-001-(3.5-4.0)DL	191-24-2	Benzo[g,h,I]perylene	760 U	UG/KG	760	760	6/12/2003 18:28	SN	45276	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)	191-24-2	Benzo[g,h,I]perylene	37 U	UG/KG	37	37	6/11/2003 14:49	SN	45293	0305436-14
ATOM-02-SB-002-(3.5-4.0)	191-24-2	Benzo[g,h,I]perylene	38 U	UG/KG	38	38	6/11/2003 14:11	SN	45225	0305436-11
ATOM-02-SB-002-(7.5-8.0)	191-24-2	Benzo[g,h,I]perylene	37 U	UG/KG	37	37	6/11/2003 14:30	SN	45242	0305436-12
B060403MPNSLG	191-24-2	Benzo[g,h,I]perylene	33 U	UG/KG	33	33	6/11/2003 10:44	SN	45446	B060403MPNSLG
B060503MPNSLH	191-24-2	Benzo[g,h,I]perylene	33 U	UG/KG	33	33	6/12/2003 10:38	SN	45463	B060503MPNSLH
EC50-01-SB-006 (14.5-15)DL	191-24-2	Benzo[g,h,I]perylene	68 U	UG/KG	68	68	6/13/2003 9:48	SN	45395	0306004-03DL
EC50-01-SB-006 (14.5-15.0)	191-24-2	Benzo[g,h,I]perylene	34 U	UG/KG	34	34	6/12/2003 11:35	SN	45378	0306004-03
EC50-01-SB-006 (3.5-4.0)	191-24-2	Benzo[g,h,I]perylene	150 U	UG/KG	150	150	6/12/2003 12:13	SN	45327	0306004-01
EC50-01-SB-106 (14.5-15)DL	191-24-2	Benzo[g,h,I]perylene	69 U	UG/KG	69	69	6/13/2003 9:29	SN	45361	0306004-02DL
EC50-01-SB-106 (14.5-15.0)	191-24-2	Benzo[g,h,I]perylene	34 U	UG/KG	34	34	6/12/2003 11:16	SN	45344	0306004-02
GRJN-01-SB-001-(11.5-12)DL	191-24-2	Benzo[g,h,I]perylene	1400 U	UG/KG	1400	1400	6/12/2003 17:50	SN	45140	0305436-07DL
GRJN-01-SB-001-(11.5-12.0)	191-24-2	Benzo[g,h,I]perylene	340 U	UG/KG	340	340	6/12/2003 18:09	SN	45123	0305436-07
GRJN-01-SB-001-(14.5-15)DL	191-24-2	Benzo[g,h,I]perylene	67 U	UG/KG	67	67	6/12/2003 16:54	SN	45174	0305436-08DL
GRJN-01-SB-001-(14.5-15.0)	191-24-2	Benzo[g,h,I]perylene	34 U	UG/KG	34	34	6/11/2003 13:15	SN	45157	0305436-08
GRJN-01-SB-001-(7.5-8.0)	191-24-2	Benzo[g,h,I]perylene	140 U	UG/KG	140	140	6/11/2003 16:22	SN	45089	0305436-06
GRJN-01-SB-001-(7.5-8.0)DL	191-24-2	Benzo[g,h,I]perylene	700 U	UG/KG	700	700	6/12/2003 17:31	SN	45106	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	191-24-2	Benzo[g,h,I]perylene	34 U	UG/KG	34	34	6/11/2003 15:07	SN	45310	0305436-15
GRJN-01-SB-005 (14.5-15.0)	191-24-2	Benzo[g,h,I]perylene	34 U	UG/KG	34	34	6/12/2003 11:54	SN	45412	0306004-05
HRRT-01-SB-001-(12.0-12.5)	191-24-2	Benzo[g,h,I]perylene	41 U	UG/KG	41	41	6/11/2003 12:18	SN	45038	0305436-03
HRRT-01-SB-001-(15.5-16.0)	191-24-2	Benzo[g,h,I]perylene	40 U	UG/KG	40	40	6/11/2003 12:56	SN	45072	0305436-05
HRRT-01-SB-001-(3.5-4.0)	191-24-2	Benzo[g,h,I]perylene	35 U	UG/KG	35	35	6/11/2003 11:22	SN	44987	0305436-01
HRRT-01-SB-001-(7.5-8.0)	191-24-2	Benzo[g,h,I]perylene	35 U	UG/KG	35	35	6/11/2003 15:45	SN	45004	0305436-02
HRRT-01-SB-001-(7.5-8.0)DL	191-24-2	Benzo[g,h,I]perylene	140 U	UG/KG	140	140	6/12/2003 17:13	SN	45021	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	191-24-2	Benzo[g,h,I]perylene	35 U	UG/KG	35	35	6/11/2003 12:37	SN	45055	0305436-04
ATOM-01-SB-001-(4.5-5.0)	207-08-9	Benzo[k]fluoranthene	37 U	UG/KG	37	37	6/11/2003 13:34	SN	45187	0305436-09
ATOM-01-SB-001-(7.5-8.0)	207-08-9	Benzo[k]fluoranthene	37 U	UG/KG	37	37	6/11/2003 13:52	SN	45204	0305436-10
ATOM-02-SB-001-(3.5-4.0)	207-08-9	Benzo[k]fluoranthene	150 U	UG/KG	150	150	6/12/2003 18:46	SN	45255	0305436-13
ATOM-02-SB-001-(3.5-4.0)DL	207-08-9	Benzo[k]fluoranthene	760 U	UG/KG	760	760	6/12/2003 18:28	SN	45272	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)	207-08-9	Benzo[k]fluoranthene	37 U	UG/KG	37	37	6/11/2003 14:49	SN	45289	0305436-14

ATOM-02-SB-002-(3.5-4.0)	207-08-9	Benzo[k]fluoranthene	38 U	UG/KG	38	38	6/11/2003 14:11	SN	45221	0305436-11
ATOM-02-SB-002-(7.5-8.0)	207-08-9	Benzo[k]fluoranthene	37 U	UG/KG	37	37	6/11/2003 14:30	SN	45238	0305436-12
B060403MPNSLG	207-08-9	Benzo[k]fluoranthene	33 U	UG/KG	33	33	6/11/2003 10:44	SN	45442	B060403MPNSLG
B060503MPNSLH	207-08-9	Benzo[k]fluoranthene	33 U	UG/KG	33	33	6/12/2003 10:38	SN	45459	B060503MPNSLH
EC50-01-SB-006 (14.5-15)DL	207-08-9	Benzo[k]fluoranthene	68 U	UG/KG	68	68	6/13/2003 9:48	SN	45391	0306004-03DL
EC50-01-SB-006 (14.5-15.0)	207-08-9	Benzo[k]fluoranthene	34 U	UG/KG	34	34	6/12/2003 11:35	SN	45374	0306004-03
EC50-01-SB-006 (3.5-4.0)	207-08-9	Benzo[k]fluoranthene	150 U	UG/KG	150	150	6/12/2003 12:13	SN	45323	0306004-01
EC50-01-SB-106 (14.5-15)DL	207-08-9	Benzo[k]fluoranthene	69 U	UG/KG	69	69	6/13/2003 9:29	SN	45357	0306004-02DL
EC50-01-SB-106 (14.5-15.0)	207-08-9	Benzo[k]fluoranthene	34 U	UG/KG	34	34	6/12/2003 11:16	SN	45340	0306004-02
GRJN-01-SB-001-(11.5-12)DL	207-08-9	Benzo[k]fluoranthene	1400 U	UG/KG	1400	1400	6/12/2003 17:50	SN	45136	0305436-07DL
GRJN-01-SB-001-(11.5-12.0)	207-08-9	Benzo[k]fluoranthene	340 U	UG/KG	340	340	6/12/2003 18:09	SN	45119	0305436-07
GRJN-01-SB-001-(14.5-15)DL	207-08-9	Benzo[k]fluoranthene	67 U	UG/KG	67	67	6/12/2003 16:54	SN	45170	0305436-08DL
GRJN-01-SB-001-(14.5-15.0)	207-08-9	Benzo[k]fluoranthene	34 U	UG/KG	34	34	6/11/2003 13:15	SN	45153	0305436-08
GRJN-01-SB-001-(7.5-8.0)	207-08-9	Benzo[k]fluoranthene	140 U	UG/KG	140	140	6/11/2003 16:22	SN	45085	0305436-06
GRJN-01-SB-001-(7.5-8.0)DL	207-08-9	Benzo[k]fluoranthene	700 U	UG/KG	700	700	6/12/2003 17:31	SN	45102	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	207-08-9	Benzo[k]fluoranthene	34 U	UG/KG	34	34	6/11/2003 15:07	SN	45306	0305436-15
GRJN-01-SB-005 (14.5-15.0)	207-08-9	Benzo[k]fluoranthene	34 U	UG/KG	34	34	6/12/2003 11:54	SN	45408	0306004-05
HRRT-01-SB-001-(12.0-12.5)	207-08-9	Benzo[k]fluoranthene	41 U	UG/KG	41	41	6/11/2003 12:18	SN	45034	0305436-03
HRRT-01-SB-001-(15.5-16.0)	207-08-9	Benzo[k]fluoranthene	40 U	UG/KG	40	40	6/11/2003 12:56	SN	45068	0305436-05
HRRT-01-SB-001-(3.5-4.0)	207-08-9	Benzo[k]fluoranthene	35 U	UG/KG	35	35	6/11/2003 11:22	SN	44983	0305436-01
HRRT-01-SB-001-(7.5-8.0)	207-08-9	Benzo[k]fluoranthene	35 U	UG/KG	35	35	6/11/2003 15:45	SN	45000	0305436-02
HRRT-01-SB-001-(7.5-8.0)DL	207-08-9	Benzo[k]fluoranthene	140 U	UG/KG	140	140	6/12/2003 17:13	SN	45017	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	207-08-9	Benzo[k]fluoranthene	35 U	UG/KG	35	35	6/11/2003 12:37	SN	45051	0305436-04
B060303MVOSF1	75-27-4	Bromodichloromethane	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43242	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	75-27-4	Bromodichloromethane	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44780	0305436-15
B060303MVOSF1	75-25-2	Bromoform	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43259	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	75-25-2	Bromoform	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44797	0305436-15
B060303MVOSF1	74-83-9	Bromomethane	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43225	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	74-83-9	Bromomethane	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44763	0305436-15
B060303MVOSF1	75-15-0	Carbon disulfide	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43229	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	75-15-0	Carbon disulfide	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44767	0305436-15
B060303MVOSF1	56-23-5	Carbon tetrachloride	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43237	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	56-23-5	Carbon tetrachloride	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44775	0305436-15
B060303MVOSF1	108-90-7	Chlorobenzene	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43254	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	108-90-7	Chlorobenzene	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44792	0305436-15
B060303MVOSF1	75-00-3	Chloroethane	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43226	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	75-00-3	Chloroethane	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44764	0305436-15
B060303MVOSF1	67-66-3	Chloroform	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43235	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	67-66-3	Chloroform	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44773	0305436-15
B060303MVOSF1	74-87-3	Chloromethane	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43223	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	74-87-3	Chloromethane	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44761	0305436-15
ATOM-01-SB-001-(4.5-5.0)	218-01-9	Chrysene	37 U	UG/KG	37	37	6/11/2003 13:34	SN	45185	0305436-09
ATOM-01-SB-001-(7.5-8.0)	218-01-9	Chrysene	37 U	UG/KG	37	37	6/11/2003 13:52	SN	45202	0305436-10
ATOM-02-SB-001-(3.5-4.0)	218-01-9	Chrysene	150 U	UG/KG	150	150	6/12/2003 18:46	SN	45253	0305436-13
ATOM-02-SB-001-(3.5-4.0)DL	218-01-9	Chrysene	760 U	UG/KG	760	760	6/12/2003 18:28	SN	45270	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)	218-01-9	Chrysene	37 U	UG/KG	37	37	6/11/2003 14:49	SN	45287	0305436-14
ATOM-02-SB-002-(3.5-4.0)	218-01-9	Chrysene	38 U	UG/KG	38	38	6/11/2003 14:11	SN	45219	0305436-11
ATOM-02-SB-002-(7.5-8.0)	218-01-9	Chrysene	37 U	UG/KG	37	37	6/11/2003 14:30	SN	45236	0305436-12
B060403MPNSLG	218-01-9	Chrysene	33 U	UG/KG	33	33	6/11/2003 10:44	SN	45440	B060403MPNSLG
B060503MPNSLH	218-01-9	Chrysene	33 U	UG/KG	33	33	6/12/2003 10:38	SN	45457	B060503MPNSLH
EC50-01-SB-006 (14.5-15)DL	218-01-9	Chrysene	68 U	UG/KG	68	68	6/13/2003 9:48	SN	45389	0306004-03DL
EC50-01-SB-006 (14.5-15.0)	218-01-9	Chrysene	34 U	UG/KG	34	34	6/12/2003 11:35	SN	45372	0306004-03
EC50-01-SB-006 (3.5-4.0)	218-01-9	Chrysene	150 U	UG/KG	150	150	6/12/2003 12:13	SN	45321	0306004-01

EC50-01-SB-106 (14.5-15)DL	218-01-9	Chrysene	69 U	UG/KG	69	69	6/13/2003 9:29	SN	45355	0306004-02DL
EC50-01-SB-106 (14.5-15.0)	218-01-9	Chrysene	34 U	UG/KG	34	34	6/12/2003 11:16	SN	45338	0306004-02
GRJN-01-SB-001-(11.5-12)DL	218-01-9	Chrysene	1400 U	UG/KG	1400	1400	6/12/2003 17:50	SN	45134	0305436-07DL
GRJN-01-SB-001-(11.5-12.0)	218-01-9	Chrysene	340 U	UG/KG	340	340	6/12/2003 18:09	SN	45117	0305436-07
GRJN-01-SB-001-(14.5-15)DL	218-01-9	Chrysene	67 U	UG/KG	67	67	6/12/2003 16:54	SN	45168	0305436-08DL
GRJN-01-SB-001-(14.5-15.0)	218-01-9	Chrysene	34 U	UG/KG	34	34	6/11/2003 13:15	SN	45151	0305436-08
GRJN-01-SB-001-(7.5-8.0)	218-01-9	Chrysene	140 U	UG/KG	140	140	6/11/2003 16:22	SN	45083	0305436-06
GRJN-01-SB-001-(7.5-8.0)DL	218-01-9	Chrysene	700 U	UG/KG	700	700	6/12/2003 17:31	SN	45100	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	218-01-9	Chrysene	34 U	UG/KG	34	34	6/11/2003 15:07	SN	45304	0305436-15
GRJN-01-SB-005 (14.5-15.0)	218-01-9	Chrysene	34 U	UG/KG	34	34	6/12/2003 11:54	SN	45406	0306004-05
HRRT-01-SB-001-(12.0-12.5)	218-01-9	Chrysene	41 U	UG/KG	41	41	6/11/2003 12:18	SN	45032	0305436-03
HRRT-01-SB-001-(15.5-16.0)	218-01-9	Chrysene	40 U	UG/KG	40	40	6/11/2003 12:56	SN	45066	0305436-05
HRRT-01-SB-001-(3.5-4.0)	218-01-9	Chrysene	35 U	UG/KG	35	35	6/11/2003 11:22	SN	44981	0305436-01
HRRT-01-SB-001-(7.5-8.0)	218-01-9	Chrysene	20 J	UG/KG	35	35	6/11/2003 15:45	SN	44998	0305436-02
HRRT-01-SB-001-(7.5-8.0)DL	218-01-9	Chrysene	140 U	UG/KG	140	140	6/12/2003 17:13	SN	45015	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	218-01-9	Chrysene	35 U	UG/KG	35	35	6/11/2003 12:37	SN	45049	0305436-04
B060303MVOSF1	156-59-2	cis-1,2-Dichloroethene	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43233	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	156-59-2	cis-1,2-Dichloroethene	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44771	0305436-15
B060303MVOSF1	10061-01-5	cis-1,3-Dichloropropene	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43243	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	10061-01-5	cis-1,3-Dichloropropene	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44781	0305436-15
ATOM-01-SB-001-(4.5-5.0)	53-70-3	Dibenzo[a,h]anthracene	37 U	UG/KG	37	37	6/11/2003 13:34	SN	45190	0305436-09
ATOM-01-SB-001-(7.5-8.0)	53-70-3	Dibenzo[a,h]anthracene	37 U	UG/KG	37	37	6/11/2003 13:52	SN	45207	0305436-10
ATOM-02-SB-001-(3.5-4.0)	53-70-3	Dibenzo[a,h]anthracene	150 U	UG/KG	150	150	6/12/2003 18:46	SN	45258	0305436-13
ATOM-02-SB-001-(3.5-4.0)DL	53-70-3	Dibenzo[a,h]anthracene	760 U	UG/KG	760	760	6/12/2003 18:28	SN	45275	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)	53-70-3	Dibenzo[a,h]anthracene	37 U	UG/KG	37	37	6/11/2003 14:49	SN	45292	0305436-14
ATOM-02-SB-002-(3.5-4.0)	53-70-3	Dibenzo[a,h]anthracene	38 U	UG/KG	38	38	6/11/2003 14:11	SN	45224	0305436-11
ATOM-02-SB-002-(7.5-8.0)	53-70-3	Dibenzo[a,h]anthracene	37 U	UG/KG	37	37	6/11/2003 14:30	SN	45241	0305436-12
B060403MPNSLG	53-70-3	Dibenzo[a,h]anthracene	33 U	UG/KG	33	33	6/11/2003 10:44	SN	45445	B060403MPNSLG
B060503MPNSLH	53-70-3	Dibenzo[a,h]anthracene	33 U	UG/KG	33	33	6/12/2003 10:38	SN	45462	B060503MPNSLH
EC50-01-SB-006 (14.5-15)DL	53-70-3	Dibenzo[a,h]anthracene	68 U	UG/KG	68	68	6/13/2003 9:48	SN	45394	0306004-03DL
EC50-01-SB-006 (14.5-15.0)	53-70-3	Dibenzo[a,h]anthracene	34 U	UG/KG	34	34	6/12/2003 11:35	SN	45377	0306004-03
EC50-01-SB-006 (3.5-4.0)	53-70-3	Dibenzo[a,h]anthracene	150 U	UG/KG	150	150	6/12/2003 12:13	SN	45326	0306004-01
EC50-01-SB-106 (14.5-15)DL	53-70-3	Dibenzo[a,h]anthracene	69 U	UG/KG	69	69	6/13/2003 9:29	SN	45360	0306004-02DL
EC50-01-SB-106 (14.5-15.0)	53-70-3	Dibenzo[a,h]anthracene	34 U	UG/KG	34	34	6/12/2003 11:16	SN	45343	0306004-02
GRJN-01-SB-001-(11.5-12)DL	53-70-3	Dibenzo[a,h]anthracene	1400 U	UG/KG	1400	1400	6/12/2003 17:50	SN	45139	0305436-07DL
GRJN-01-SB-001-(11.5-12.0)	53-70-3	Dibenzo[a,h]anthracene	340 U	UG/KG	340	340	6/12/2003 18:09	SN	45122	0305436-07
GRJN-01-SB-001-(14.5-15)DL	53-70-3	Dibenzo[a,h]anthracene	67 U	UG/KG	67	67	6/12/2003 16:54	SN	45173	0305436-08DL
GRJN-01-SB-001-(14.5-15.0)	53-70-3	Dibenzo[a,h]anthracene	34 U	UG/KG	34	34	6/11/2003 13:15	SN	45156	0305436-08
GRJN-01-SB-001-(7.5-8.0)	53-70-3	Dibenzo[a,h]anthracene	140 U	UG/KG	140	140	6/11/2003 16:22	SN	45088	0305436-06
GRJN-01-SB-001-(7.5-8.0)DL	53-70-3	Dibenzo[a,h]anthracene	700 U	UG/KG	700	700	6/12/2003 17:31	SN	45105	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	53-70-3	Dibenzo[a,h]anthracene	34 U	UG/KG	34	34	6/11/2003 15:07	SN	45309	0305436-15
GRJN-01-SB-005 (14.5-15.0)	53-70-3	Dibenzo[a,h]anthracene	34 U	UG/KG	34	34	6/12/2003 11:54	SN	45411	0306004-05
HRRT-01-SB-001-(12.0-12.5)	53-70-3	Dibenzo[a,h]anthracene	41 U	UG/KG	41	41	6/11/2003 12:18	SN	45037	0305436-03
HRRT-01-SB-001-(15.5-16.0)	53-70-3	Dibenzo[a,h]anthracene	40 U	UG/KG	40	40	6/11/2003 12:56	SN	45071	0305436-05
HRRT-01-SB-001-(3.5-4.0)	53-70-3	Dibenzo[a,h]anthracene	35 U	UG/KG	35	35	6/11/2003 11:22	SN	44986	0305436-01
HRRT-01-SB-001-(7.5-8.0)	53-70-3	Dibenzo[a,h]anthracene	35 U	UG/KG	35	35	6/11/2003 15:45	SN	45003	0305436-02
HRRT-01-SB-001-(7.5-8.0)DL	53-70-3	Dibenzo[a,h]anthracene	140 U	UG/KG	140	140	6/12/2003 17:13	SN	45020	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	53-70-3	Dibenzo[a,h]anthracene	35 U	UG/KG	35	35	6/11/2003 12:37	SN	45054	0305436-04
B060303MVOSF1	124-48-1	Dibromochloromethane	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43251	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	124-48-1	Dibromochloromethane	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44789	0305436-15
B060303MVOSF1	75-71-8	Dichlorodifluoromethane	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43249	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	75-71-8	Dichlorodifluoromethane	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44787	0305436-15
ATOM-01-SB-001-(4.5-5.0)	100-41-4	Ethyl Benzene	44 U	ug/Kg	44	22	6/8/2003 0:17	8X	44887	0305436-09

ATOM-01-SB-001-(7.5-8.0)	100-41-4	Ethyl Benzene	44 U	ug/Kg	44	22	6/8/2003 0:56	8X	44892	0305436-10
ATOM-02-SB-002-(3.5-4.0)	100-41-4	Ethyl Benzene	140 P	ug/Kg	45	23	6/8/2003 2:14	8X	44897	0305436-11
ATOM-02-SB-002-(7.5-8.0)	100-41-4	Ethyl Benzene	44 U	ug/Kg	44	22	6/8/2003 2:53	8X	44902	0305436-12
B060603GVOSK1	100-41-4	Ethyl Benzene	40 U	ug/Kg	40	20	6/7/2003 15:13	8X	44937	B060603GVOSK1
B060603GVOSK1RE	100-41-4	Ethyl Benzene	40 U	ug/Kg	40	20	6/9/2003 6:45	8X	44942	B060603GVOSK1RE
EC50-01-SB-006 (14.5-15.0)	100-41-4	Ethyl Benzene	41 U	ug/Kg	41	20	6/9/2003 9:20	8X	44917	0306004-03
EC50-01-SB-006 (3.5-4.0)	100-41-4	Ethyl Benzene	45 U	ug/Kg	45	22	6/9/2003 8:03	8X	44907	0306004-01
EC50-01-SB-106 (14.5-15.0)	100-41-4	Ethyl Benzene	41 U	ug/Kg	41	21	6/9/2003 8:41	8X	44912	0306004-02
GRJN-01-SB-001-(11.5-12.0)	100-41-4	Ethyl Benzene	41 U	ug/Kg	41	20	6/7/2003 19:45	8X	44877	0305436-07
GRJN-01-SB-001-(14.5-15.0)	100-41-4	Ethyl Benzene	40 U	ug/Kg	40	20	6/7/2003 20:24	8X	44882	0305436-08
GRJN-01-SB-001-(7.5-8.0)	100-41-4	Ethyl Benzene	42 U	ug/Kg	42	21	6/7/2003 19:07	8X	44872	0305436-06
GRJN-01-SB-005 (14.5-15.0)	100-41-4	Ethyl Benzene	40 U	ug/Kg	40	20	6/9/2003 9:59	8X	44922	0306004-05
HRRT-01-SB-001-(12.0-12.5)	100-41-4	Ethyl Benzene	49 U	ug/Kg	49	24	6/7/2003 17:10	8X	44857	0305436-03
HRRT-01-SB-001-(15.5-16.0)	100-41-4	Ethyl Benzene	48 U	ug/Kg	48	24	6/7/2003 18:28	8X	44867	0305436-05
HRRT-01-SB-001-(3.5-4.0)	100-41-4	Ethyl Benzene	42 U	ug/Kg	42	21	6/7/2003 22:21	8X	44847	0305436-01
HRRT-01-SB-001-(7.5-8.0)	100-41-4	Ethyl Benzene	42 U	ug/Kg	42	21	6/7/2003 16:31	8X	44852	0305436-02
HRRT-01-SB-101-(3.5-4.0)	100-41-4	Ethyl Benzene	42 U	ug/Kg	42	21	6/7/2003 17:49	8X	44862	0305436-04
B060303MVOSF1	100-41-4	Ethylbenzene	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43255	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	100-41-4	Ethylbenzene	3 U	UG/KG	3	3	6/3/2003 15:50	V6	44793	0305436-15
ATOM-01-SB-001-(4.5-5.0)	206-44-0	Fluoranthene	37 U	UG/KG	37	37	6/11/2003 13:34	SN	45183	0305436-09
ATOM-01-SB-001-(7.5-8.0)	206-44-0	Fluoranthene	37 U	UG/KG	37	37	6/11/2003 13:52	SN	45200	0305436-10
ATOM-02-SB-001-(3.5-4.0)	206-44-0	Fluoranthene	150 U	UG/KG	150	150	6/12/2003 18:46	SN	45251	0305436-13
ATOM-02-SB-001-(3.5-4.0)DL	206-44-0	Fluoranthene	760 U	UG/KG	760	760	6/12/2003 18:28	SN	45268	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)	206-44-0	Fluoranthene	37 U	UG/KG	37	37	6/11/2003 14:49	SN	45285	0305436-14
ATOM-02-SB-002-(3.5-4.0)	206-44-0	Fluoranthene	27 J	UG/KG	38	38	6/11/2003 14:11	SN	45217	0305436-11
ATOM-02-SB-002-(7.5-8.0)	206-44-0	Fluoranthene	37 U	UG/KG	37	37	6/11/2003 14:30	SN	45234	0305436-12
B060403MPNSLG	206-44-0	Fluoranthene	33 U	UG/KG	33	33	6/11/2003 10:44	SN	45438	B060403MPNSLG
B060503MPNSLH	206-44-0	Fluoranthene	33 U	UG/KG	33	33	6/12/2003 10:38	SN	45455	B060503MPNSLH
EC50-01-SB-006 (14.5-15)DL	206-44-0	Fluoranthene	68 U	UG/KG	68	68	6/13/2003 9:48	SN	45387	0306004-03DL
EC50-01-SB-006 (14.5-15.0)	206-44-0	Fluoranthene	34 U	UG/KG	34	34	6/12/2003 11:35	SN	45370	0306004-03
EC50-01-SB-006 (3.5-4.0)	206-44-0	Fluoranthene	150 U	UG/KG	150	150	6/12/2003 12:13	SN	45319	0306004-01
EC50-01-SB-106 (14.5-15)DL	206-44-0	Fluoranthene	69 U	UG/KG	69	69	6/13/2003 9:29	SN	45353	0306004-02DL
EC50-01-SB-106 (14.5-15.0)	206-44-0	Fluoranthene	34 U	UG/KG	34	34	6/12/2003 11:16	SN	45336	0306004-02
GRJN-01-SB-001-(11.5-12)DL	206-44-0	Fluoranthene	1400 U	UG/KG	1400	1400	6/12/2003 17:50	SN	45132	0305436-07DL
GRJN-01-SB-001-(11.5-12.0)	206-44-0	Fluoranthene	340 U	UG/KG	340	340	6/12/2003 18:09	SN	45115	0305436-07
GRJN-01-SB-001-(14.5-15)DL	206-44-0	Fluoranthene	67 U	UG/KG	67	67	6/12/2003 16:54	SN	45166	0305436-08DL
GRJN-01-SB-001-(14.5-15.0)	206-44-0	Fluoranthene	35	UG/KG	34	34	6/11/2003 13:15	SN	45149	0305436-08
GRJN-01-SB-001-(7.5-8.0)	206-44-0	Fluoranthene	230	UG/KG	140	140	6/11/2003 16:22	SN	45081	0305436-06
GRJN-01-SB-001-(7.5-8.0)DL	206-44-0	Fluoranthene	700 U	UG/KG	700	700	6/12/2003 17:31	SN	45098	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	206-44-0	Fluoranthene	34 U	UG/KG	34	34	6/11/2003 15:07	SN	45302	0305436-15
GRJN-01-SB-005 (14.5-15.0)	206-44-0	Fluoranthene	34 U	UG/KG	34	34	6/12/2003 11:54	SN	45404	0306004-05
HRRT-01-SB-001-(12.0-12.5)	206-44-0	Fluoranthene	41 U	UG/KG	41	41	6/11/2003 12:18	SN	45030	0305436-03
HRRT-01-SB-001-(15.5-16.0)	206-44-0	Fluoranthene	40 U	UG/KG	40	40	6/11/2003 12:56	SN	45064	0305436-05
HRRT-01-SB-001-(3.5-4.0)	206-44-0	Fluoranthene	35 U	UG/KG	35	35	6/11/2003 11:22	SN	44979	0305436-01
HRRT-01-SB-001-(7.5-8.0)	206-44-0	Fluoranthene	35 U	UG/KG	35	35	6/11/2003 15:45	SN	44996	0305436-02
HRRT-01-SB-001-(7.5-8.0)DL	206-44-0	Fluoranthene	140 U	UG/KG	140	140	6/12/2003 17:13	SN	45013	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	206-44-0	Fluoranthene	35 U	UG/KG	35	35	6/11/2003 12:37	SN	45047	0305436-04
ATOM-01-SB-001-(4.5-5.0)	86-73-7	Fluorene	37 U	UG/KG	37	37	6/11/2003 13:34	SN	45180	0305436-09
ATOM-01-SB-001-(7.5-8.0)	86-73-7	Fluorene	37 U	UG/KG	37	37	6/11/2003 13:52	SN	45197	0305436-10
ATOM-02-SB-001-(3.5-4.0)	86-73-7	Fluorene	2600	UG/KG	150	150	6/12/2003 18:46	SN	45248	0305436-13
ATOM-02-SB-001-(3.5-4.0)DL	86-73-7	Fluorene	3500 D	UG/KG	760	760	6/12/2003 18:28	SN	45265	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)	86-73-7	Fluorene	54	UG/KG	37	37	6/11/2003 14:49	SN	45282	0305436-14
ATOM-02-SB-002-(3.5-4.0)	86-73-7	Fluorene	400	UG/KG	38	38	6/11/2003 14:11	SN	45214	0305436-11

ATOM-02-SB-002-(7.5-8.0)	86-73-7	Fluorene	37	U	UG/KG	37	37	6/11/2003 14:30	SN	45231	0305436-12
B060403MPNSLG	86-73-7	Fluorene	33	U	UG/KG	33	33	6/11/2003 10:44	SN	45435	B060403MPNSLG
B060503MPNSLH	86-73-7	Fluorene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45452	B060503MPNSLH
EC50-01-SB-006 (14.5-15)DL	86-73-7	Fluorene	68	U	UG/KG	68	68	6/13/2003 9:48	SN	45384	0306004-03DL
EC50-01-SB-006 (14.5-15.0)	86-73-7	Fluorene	34	U	UG/KG	34	34	6/12/2003 11:35	SN	45367	0306004-03
EC50-01-SB-006 (3.5-4.0)	86-73-7	Fluorene	150	U	UG/KG	150	150	6/12/2003 12:13	SN	45316	0306004-01
EC50-01-SB-106 (14.5-15)DL	86-73-7	Fluorene	69	U	UG/KG	69	69	6/13/2003 9:29	SN	45350	0306004-02DL
EC50-01-SB-106 (14.5-15.0)	86-73-7	Fluorene	34	U	UG/KG	34	34	6/12/2003 11:16	SN	45333	0306004-02
GRJN-01-SB-001-(11.5-12)DL	86-73-7	Fluorene	1400	U	UG/KG	1400	1400	6/12/2003 17:50	SN	45129	0305436-07DL
GRJN-01-SB-001-(11.5-12.0)	86-73-7	Fluorene	340	U	UG/KG	340	340	6/12/2003 18:09	SN	45112	0305436-07
GRJN-01-SB-001-(14.5-15)DL	86-73-7	Fluorene	67	U	UG/KG	67	67	6/12/2003 16:54	SN	45163	0305436-08DL
GRJN-01-SB-001-(14.5-15.0)	86-73-7	Fluorene	34	U	UG/KG	34	34	6/11/2003 13:15	SN	45146	0305436-08
GRJN-01-SB-001-(7.5-8.0)	86-73-7	Fluorene	1300		UG/KG	140	140	6/11/2003 16:22	SN	45078	0305436-06
GRJN-01-SB-001-(7.5-8.0)DL	86-73-7	Fluorene	1500	D	UG/KG	700	700	6/12/2003 17:31	SN	45095	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	86-73-7	Fluorene	34	U	UG/KG	34	34	6/11/2003 15:07	SN	45299	0305436-15
GRJN-01-SB-005 (14.5-15.0)	86-73-7	Fluorene	34	U	UG/KG	34	34	6/12/2003 11:54	SN	45401	0306004-05
HRRT-01-SB-001-(12.0-12.5)	86-73-7	Fluorene	41	U	UG/KG	41	41	6/11/2003 12:18	SN	45027	0305436-03
HRRT-01-SB-001-(15.5-16.0)	86-73-7	Fluorene	40	U	UG/KG	40	40	6/11/2003 12:56	SN	45061	0305436-05
HRRT-01-SB-001-(3.5-4.0)	86-73-7	Fluorene	35	U	UG/KG	35	35	6/11/2003 11:22	SN	44976	0305436-01
HRRT-01-SB-001-(7.5-8.0)	86-73-7	Fluorene	35	U	UG/KG	35	35	6/11/2003 15:45	SN	44993	0305436-02
HRRT-01-SB-001-(7.5-8.0)DL	86-73-7	Fluorene	140	U	UG/KG	140	140	6/12/2003 17:13	SN	45010	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	86-73-7	Fluorene	35	U	UG/KG	35	35	6/11/2003 12:37	SN	45044	0305436-04
ATOM-01-SB-001-(4.5-5.0)	193-39-5	Indeno[1,2,3-cd]pyrene	37	U	UG/KG	37	37	6/11/2003 13:34	SN	45189	0305436-09
ATOM-01-SB-001-(7.5-8.0)	193-39-5	Indeno[1,2,3-cd]pyrene	37	U	UG/KG	37	37	6/11/2003 13:52	SN	45206	0305436-10
ATOM-02-SB-001-(3.5-4.0)	193-39-5	Indeno[1,2,3-cd]pyrene	150	U	UG/KG	150	150	6/12/2003 18:46	SN	45257	0305436-13
ATOM-02-SB-001-(3.5-4.0)DL	193-39-5	Indeno[1,2,3-cd]pyrene	760	U	UG/KG	760	760	6/12/2003 18:28	SN	45274	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)	193-39-5	Indeno[1,2,3-cd]pyrene	37	U	UG/KG	37	37	6/11/2003 14:49	SN	45291	0305436-14
ATOM-02-SB-002-(3.5-4.0)	193-39-5	Indeno[1,2,3-cd]pyrene	38	U	UG/KG	38	38	6/11/2003 14:11	SN	45223	0305436-11
ATOM-02-SB-002-(7.5-8.0)	193-39-5	Indeno[1,2,3-cd]pyrene	37	U	UG/KG	37	37	6/11/2003 14:30	SN	45240	0305436-12
B060403MPNSLG	193-39-5	Indeno[1,2,3-cd]pyrene	33	U	UG/KG	33	33	6/11/2003 10:44	SN	45444	B060403MPNSLG
B060503MPNSLH	193-39-5	Indeno[1,2,3-cd]pyrene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45461	B060503MPNSLH
EC50-01-SB-006 (14.5-15)DL	193-39-5	Indeno[1,2,3-cd]pyrene	68	U	UG/KG	68	68	6/13/2003 9:48	SN	45393	0306004-03DL
EC50-01-SB-006 (14.5-15.0)	193-39-5	Indeno[1,2,3-cd]pyrene	34	U	UG/KG	34	34	6/12/2003 11:35	SN	45376	0306004-03
EC50-01-SB-006 (3.5-4.0)	193-39-5	Indeno[1,2,3-cd]pyrene	150	U	UG/KG	150	150	6/12/2003 12:13	SN	45325	0306004-01
EC50-01-SB-106 (14.5-15)DL	193-39-5	Indeno[1,2,3-cd]pyrene	69	U	UG/KG	69	69	6/13/2003 9:29	SN	45359	0306004-02DL
EC50-01-SB-106 (14.5-15.0)	193-39-5	Indeno[1,2,3-cd]pyrene	34	U	UG/KG	34	34	6/12/2003 11:16	SN	45342	0306004-02
GRJN-01-SB-001-(11.5-12)DL	193-39-5	Indeno[1,2,3-cd]pyrene	1400	U	UG/KG	1400	1400	6/12/2003 17:50	SN	45138	0305436-07DL
GRJN-01-SB-001-(11.5-12.0)	193-39-5	Indeno[1,2,3-cd]pyrene	340	U	UG/KG	340	340	6/12/2003 18:09	SN	45121	0305436-07
GRJN-01-SB-001-(14.5-15)DL	193-39-5	Indeno[1,2,3-cd]pyrene	67	U	UG/KG	67	67	6/12/2003 16:54	SN	45172	0305436-08DL
GRJN-01-SB-001-(14.5-15.0)	193-39-5	Indeno[1,2,3-cd]pyrene	34	U	UG/KG	34	34	6/11/2003 13:15	SN	45155	0305436-08
GRJN-01-SB-001-(7.5-8.0)	193-39-5	Indeno[1,2,3-cd]pyrene	140	U	UG/KG	140	140	6/11/2003 16:22	SN	45087	0305436-06
GRJN-01-SB-001-(7.5-8.0)DL	193-39-5	Indeno[1,2,3-cd]pyrene	700	U	UG/KG	700	700	6/12/2003 17:31	SN	45104	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	193-39-5	Indeno[1,2,3-cd]pyrene	34	U	UG/KG	34	34	6/11/2003 15:07	SN	45308	0305436-15
GRJN-01-SB-005 (14.5-15.0)	193-39-5	Indeno[1,2,3-cd]pyrene	34	U	UG/KG	34	34	6/12/2003 11:54	SN	45410	0306004-05
HRRT-01-SB-001-(12.0-12.5)	193-39-5	Indeno[1,2,3-cd]pyrene	41	U	UG/KG	41	41	6/11/2003 12:18	SN	45036	0305436-03
HRRT-01-SB-001-(15.5-16.0)	193-39-5	Indeno[1,2,3-cd]pyrene	40	U	UG/KG	40	40	6/11/2003 12:56	SN	45070	0305436-05
HRRT-01-SB-001-(3.5-4.0)	193-39-5	Indeno[1,2,3-cd]pyrene	35	U	UG/KG	35	35	6/11/2003 11:22	SN	44985	0305436-01
HRRT-01-SB-001-(7.5-8.0)	193-39-5	Indeno[1,2,3-cd]pyrene	35	U	UG/KG	35	35	6/11/2003 15:45	SN	45002	0305436-02
HRRT-01-SB-001-(7.5-8.0)DL	193-39-5	Indeno[1,2,3-cd]pyrene	140	U	UG/KG	140	140	6/12/2003 17:13	SN	45019	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	193-39-5	Indeno[1,2,3-cd]pyrene	35	U	UG/KG	35	35	6/11/2003 12:37	SN	45053	0305436-04
ATOM-01-SB-001-(4.5-5.0)	108-38-3	m,p-Xylene	89	U	ug/Kg	89	44	6/8/2003 0:17	8X	44888	0305436-09
ATOM-01-SB-001-(7.5-8.0)	108-38-3	m,p-Xylene	88	U	ug/Kg	88	44	6/8/2003 0:56	8X	44893	0305436-10
ATOM-02-SB-002-(3.5-4.0)	108-38-3	m,p-Xylene	240		ug/Kg	91	45	6/8/2003 2:14	8X	44898	0305436-11

ATOM-02-SB-002-(7.5-8.0)	108-38-3	m,p-Xylene	89	U	ug/Kg	89	44	6/8/2003 2:53	8X	44903	0305436-12
B060303MVOSF1	108-38-3	m,p-Xylene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43256	B060303MVOSF1
B060603GVOSK1	108-38-3	m,p-Xylene	80	U	ug/Kg	80	40	6/7/2003 15:13	8X	44938	B060603GVOSK1
B060603GVOSK1RE	108-38-3	m,p-Xylene	80	U	ug/Kg	80	40	6/9/2003 6:45	8X	44943	B060603GVOSK1RE
EC50-01-SB-006 (14.5-15.0)	108-38-3	m,p-Xylene	82	U	ug/Kg	82	41	6/9/2003 9:20	8X	44918	0306004-03
EC50-01-SB-006 (3.5-4.0)	108-38-3	m,p-Xylene	90	U	ug/Kg	90	45	6/9/2003 8:03	8X	44908	0306004-01
EC50-01-SB-106 (14.5-15.0)	108-38-3	m,p-Xylene	82	U	ug/Kg	82	41	6/9/2003 8:41	8X	44913	0306004-02
GRJN-01-SB-001-(11.5-12.0)	108-38-3	m,p-Xylene	82	U	ug/Kg	82	41	6/7/2003 19:45	8X	44878	0305436-07
GRJN-01-SB-001-(14.5-15.0)	108-38-3	m,p-Xylene	81	U	ug/Kg	81	40	6/7/2003 20:24	8X	44883	0305436-08
GRJN-01-SB-001-(7.5-8.0)	108-38-3	m,p-Xylene	84	U	ug/Kg	84	42	6/7/2003 19:07	8X	44873	0305436-06
GRJN-01-SB-004-(14.0-14.5)	108-38-3	m,p-Xylene	3	U	UG/KG	3	3	6/3/2003 15:50	V6	44794	0305436-15
GRJN-01-SB-005 (14.5-15.0)	108-38-3	m,p-Xylene	81	U	ug/Kg	81	40	6/9/2003 9:59	8X	44923	0306004-05
HRRT-01-SB-001-(12.0-12.5)	108-38-3	m,p-Xylene	98	U	ug/Kg	98	49	6/7/2003 17:10	8X	44858	0305436-03
HRRT-01-SB-001-(15.5-16.0)	108-38-3	m,p-Xylene	96	U	ug/Kg	96	48	6/7/2003 18:28	8X	44868	0305436-05
HRRT-01-SB-001-(3.5-4.0)	108-38-3	m,p-Xylene	83	U	ug/Kg	83	42	6/7/2003 22:21	8X	44848	0305436-01
HRRT-01-SB-001-(7.5-8.0)	108-38-3	m,p-Xylene	84	U	ug/Kg	84	42	6/7/2003 16:31	8X	44853	0305436-02
HRRT-01-SB-101-(3.5-4.0)	108-38-3	m,p-Xylene	84	U	ug/Kg	84	42	6/7/2003 17:49	8X	44863	0305436-04
B060303MVOSF1	1634-04-4	Methyl tert-butyl ether	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43253	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	1634-04-4	Methyl tert-butyl ether	3	U	UG/KG	3	3	6/3/2003 15:50	V6	44791	0305436-15
B060303MVOSF1	75-09-2	Methylene chloride	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43230	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	75-09-2	Methylene chloride	3	U	UG/KG	3	3	6/3/2003 15:50	V6	44768	0305436-15
ATOM-01-SB-001-(4.5-5.0)	91-20-3	Naphthalene	37	U	UG/KG	37	37	6/11/2003 13:34	SN	45176	0305436-09
ATOM-01-SB-001-(7.5-8.0)	91-20-3	Naphthalene	37	U	UG/KG	37	37	6/11/2003 13:52	SN	45193	0305436-10
ATOM-02-SB-001-(3.5-4.0)	91-20-3	Naphthalene	4100		UG/KG	150	150	6/12/2003 18:46	SN	45244	0305436-13
ATOM-02-SB-001-(3.5-4.0)DL	91-20-3	Naphthalene	4500	D	UG/KG	760	760	6/12/2003 18:28	SN	45261	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)	91-20-3	Naphthalene	37	U	UG/KG	37	37	6/11/2003 14:49	SN	45278	0305436-14
ATOM-02-SB-002-(3.5-4.0)	91-20-3	Naphthalene	280		UG/KG	38	38	6/11/2003 14:11	SN	45210	0305436-11
ATOM-02-SB-002-(7.5-8.0)	91-20-3	Naphthalene	37	U	UG/KG	37	37	6/11/2003 14:30	SN	45227	0305436-12
B060403MPNSLG	91-20-3	Naphthalene	33	U	UG/KG	33	33	6/11/2003 10:44	SN	45431	B060403MPNSLG
B060503MPNSLH	91-20-3	Naphthalene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45448	B060503MPNSLH
EC50-01-SB-006 (14.5-15)DL	91-20-3	Naphthalene	68	U	UG/KG	68	68	6/13/2003 9:48	SN	45380	0306004-03DL
EC50-01-SB-006 (14.5-15.0)	91-20-3	Naphthalene	34	U	UG/KG	34	34	6/12/2003 11:35	SN	45363	0306004-03
EC50-01-SB-006 (3.5-4.0)	91-20-3	Naphthalene	150	U	UG/KG	150	150	6/12/2003 12:13	SN	45312	0306004-01
EC50-01-SB-106 (14.5-15)DL	91-20-3	Naphthalene	69	U	UG/KG	69	69	6/13/2003 9:29	SN	45346	0306004-02DL
EC50-01-SB-106 (14.5-15.0)	91-20-3	Naphthalene	34	U	UG/KG	34	34	6/12/2003 11:16	SN	45329	0306004-02
GRJN-01-SB-001-(11.5-12)DL	91-20-3	Naphthalene	7400	D	UG/KG	1400	1400	6/12/2003 17:50	SN	45125	0305436-07DL
GRJN-01-SB-001-(11.5-12.0)	91-20-3	Naphthalene	8200		UG/KG	340	340	6/12/2003 18:09	SN	45108	0305436-07
GRJN-01-SB-001-(14.5-15)DL	91-20-3	Naphthalene	160	D	UG/KG	67	67	6/12/2003 16:54	SN	45159	0305436-08DL
GRJN-01-SB-001-(14.5-15.0)	91-20-3	Naphthalene	170		UG/KG	34	34	6/11/2003 13:15	SN	45142	0305436-08
GRJN-01-SB-001-(7.5-8.0)	91-20-3	Naphthalene	3900		UG/KG	140	140	6/11/2003 16:22	SN	45074	0305436-06
GRJN-01-SB-001-(7.5-8.0)DL	91-20-3	Naphthalene	4100	D	UG/KG	700	700	6/12/2003 17:31	SN	45091	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	91-20-3	Naphthalene	34	U	UG/KG	34	34	6/11/2003 15:07	SN	45295	0305436-15
GRJN-01-SB-005 (14.5-15.0)	91-20-3	Naphthalene	34	U	UG/KG	34	34	6/12/2003 11:54	SN	45397	0306004-05
HRRT-01-SB-001-(12.0-12.5)	91-20-3	Naphthalene	41	U	UG/KG	41	41	6/11/2003 12:18	SN	45023	0305436-03
HRRT-01-SB-001-(15.5-16.0)	91-20-3	Naphthalene	40	U	UG/KG	40	40	6/11/2003 12:56	SN	45057	0305436-05
HRRT-01-SB-001-(3.5-4.0)	91-20-3	Naphthalene	35	U	UG/KG	35	35	6/11/2003 11:22	SN	44972	0305436-01
HRRT-01-SB-001-(7.5-8.0)	91-20-3	Naphthalene	35	U	UG/KG	35	35	6/11/2003 15:45	SN	44989	0305436-02
HRRT-01-SB-001-(7.5-8.0)DL	91-20-3	Naphthalene	140	U	UG/KG	140	140	6/12/2003 17:13	SN	45006	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	91-20-3	Naphthalene	35	U	UG/KG	35	35	6/11/2003 12:37	SN	45040	0305436-04
ATOM-01-SB-001-(4.5-5.0)	95-47-6	o-Xylene	44	U	ug/Kg	44	22	6/8/2003 0:17	8X	44889	0305436-09
ATOM-01-SB-001-(7.5-8.0)	95-47-6	o-Xylene	44	U	ug/Kg	44	22	6/8/2003 0:56	8X	44894	0305436-10
ATOM-02-SB-002-(3.5-4.0)	95-47-6	o-Xylene	51	P	ug/Kg	45	23	6/8/2003 2:14	8X	44899	0305436-11
ATOM-02-SB-002-(7.5-8.0)	95-47-6	o-Xylene	44	U	ug/Kg	44	22	6/8/2003 2:53	8X	44904	0305436-12

B060303MVOSF1	95-47-6	o-Xylene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43257	B060303MVOSF1
B060603GVOSK1	95-47-6	o-Xylene	40	U	ug/Kg	40	20	6/7/2003 15:13	8X	44939	B060603GVOSK1
B060603GVOSK1RE	95-47-6	o-Xylene	40	U	ug/Kg	40	20	6/9/2003 6:45	8X	44944	B060603GVOSK1RE
EC50-01-SB-006 (14.5-15.0)	95-47-6	o-Xylene	41	U	ug/Kg	41	20	6/9/2003 9:20	8X	44919	0306004-03
EC50-01-SB-006 (3.5-4.0)	95-47-6	o-Xylene	45	U	ug/Kg	45	22	6/9/2003 8:03	8X	44909	0306004-01
EC50-01-SB-106 (14.5-15.0)	95-47-6	o-Xylene	41	U	ug/Kg	41	21	6/9/2003 8:41	8X	44914	0306004-02
GRJN-01-SB-001-(11.5-12.0)	95-47-6	o-Xylene	41	U	ug/Kg	41	20	6/7/2003 19:45	8X	44879	0305436-07
GRJN-01-SB-001-(14.5-15.0)	95-47-6	o-Xylene	40	U	ug/Kg	40	20	6/7/2003 20:24	8X	44884	0305436-08
GRJN-01-SB-001-(7.5-8.0)	95-47-6	o-Xylene	42	U	ug/Kg	42	21	6/7/2003 19:07	8X	44874	0305436-06
GRJN-01-SB-004-(14.0-14.5)	95-47-6	o-Xylene	3	U	UG/KG	3	3	6/3/2003 15:50	V6	44795	0305436-15
GRJN-01-SB-005 (14.5-15.0)	95-47-6	o-Xylene	40	U	ug/Kg	40	20	6/9/2003 9:59	8X	44924	0306004-05
HRRT-01-SB-001-(12.0-12.5)	95-47-6	o-Xylene	49	U	ug/Kg	49	24	6/7/2003 17:10	8X	44859	0305436-03
HRRT-01-SB-001-(15.5-16.0)	95-47-6	o-Xylene	48	U	ug/Kg	48	24	6/7/2003 18:28	8X	44869	0305436-05
HRRT-01-SB-001-(3.5-4.0)	95-47-6	o-Xylene	42	U	ug/Kg	42	21	6/7/2003 22:21	8X	44849	0305436-01
HRRT-01-SB-001-(7.5-8.0)	95-47-6	o-Xylene	42	U	ug/Kg	42	21	6/7/2003 16:31	8X	44854	0305436-02
HRRT-01-SB-101-(3.5-4.0)	95-47-6	o-Xylene	42	U	ug/Kg	42	21	6/7/2003 17:49	8X	44864	0305436-04
ATOM-01-SB-001-(4.5-5.0)	85-01-8	Phenanthrene	37	U	UG/KG	37	37	6/11/2003 13:34	SN	45181	0305436-09
ATOM-01-SB-001-(7.5-8.0)	85-01-8	Phenanthrene	37	U	UG/KG	37	37	6/11/2003 13:52	SN	45198	0305436-10
ATOM-02-SB-001-(3.5-4.0)	85-01-8	Phenanthrene	5900		UG/KG	150	150	6/12/2003 18:46	SN	45249	0305436-13
ATOM-02-SB-001-(3.5-4.0)DL	85-01-8	Phenanthrene	7100	D	UG/KG	760	760	6/12/2003 18:28	SN	45266	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)	85-01-8	Phenanthrene	54		UG/KG	37	37	6/11/2003 14:49	SN	45283	0305436-14
ATOM-02-SB-002-(3.5-4.0)	85-01-8	Phenanthrene	1200		UG/KG	38	38	6/11/2003 14:11	SN	45215	0305436-11
ATOM-02-SB-002-(7.5-8.0)	85-01-8	Phenanthrene	37	U	UG/KG	37	37	6/11/2003 14:30	SN	45232	0305436-12
B060403MPNSLG	85-01-8	Phenanthrene	33	U	UG/KG	33	33	6/11/2003 10:44	SN	45436	B060403MPNSLG
B060503MPNSLH	85-01-8	Phenanthrene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45453	B060503MPNSLH
EC50-01-SB-006 (14.5-15)DL	85-01-8	Phenanthrene	580	D	UG/KG	68	68	6/13/2003 9:48	SN	45385	0306004-03DL
EC50-01-SB-006 (14.5-15.0)	85-01-8	Phenanthrene	560		UG/KG	34	34	6/12/2003 11:35	SN	45368	0306004-03
EC50-01-SB-006 (3.5-4.0)	85-01-8	Phenanthrene	150	U	UG/KG	150	150	6/12/2003 12:13	SN	45317	0306004-01
EC50-01-SB-106 (14.5-15)DL	85-01-8	Phenanthrene	640	D	UG/KG	69	69	6/13/2003 9:29	SN	45351	0306004-02DL
EC50-01-SB-106 (14.5-15.0)	85-01-8	Phenanthrene	590		UG/KG	34	34	6/12/2003 11:16	SN	45334	0306004-02
GRJN-01-SB-001-(11.5-12)DL	85-01-8	Phenanthrene	11000	D	UG/KG	1400	1400	6/12/2003 17:50	SN	45130	0305436-07DL
GRJN-01-SB-001-(11.5-12.0)	85-01-8	Phenanthrene	9900		UG/KG	340	340	6/12/2003 18:09	SN	45113	0305436-07
GRJN-01-SB-001-(14.5-15)DL	85-01-8	Phenanthrene	1600	D	UG/KG	67	67	6/12/2003 16:54	SN	45164	0305436-08DL
GRJN-01-SB-001-(14.5-15.0)	85-01-8	Phenanthrene	1500		UG/KG	34	34	6/11/2003 13:15	SN	45147	0305436-08
GRJN-01-SB-001-(7.5-8.0)	85-01-8	Phenanthrene	11000		UG/KG	140	140	6/11/2003 16:22	SN	45079	0305436-06
GRJN-01-SB-001-(7.5-8.0)DL	85-01-8	Phenanthrene	13000	D	UG/KG	700	700	6/12/2003 17:31	SN	45096	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	85-01-8	Phenanthrene	48		UG/KG	34	34	6/11/2003 15:07	SN	45300	0305436-15
GRJN-01-SB-005 (14.5-15.0)	85-01-8	Phenanthrene	34	U	UG/KG	34	34	6/12/2003 11:54	SN	45402	0306004-05
HRRT-01-SB-001-(12.0-12.5)	85-01-8	Phenanthrene	41	U	UG/KG	41	41	6/11/2003 12:18	SN	45028	0305436-03
HRRT-01-SB-001-(15.5-16.0)	85-01-8	Phenanthrene	40	U	UG/KG	40	40	6/11/2003 12:56	SN	45062	0305436-05
HRRT-01-SB-001-(3.5-4.0)	85-01-8	Phenanthrene	35	U	UG/KG	35	35	6/11/2003 11:22	SN	44977	0305436-01
HRRT-01-SB-001-(7.5-8.0)	85-01-8	Phenanthrene	35	U	UG/KG	35	35	6/11/2003 15:45	SN	44994	0305436-02
HRRT-01-SB-001-(7.5-8.0)DL	85-01-8	Phenanthrene	140	U	UG/KG	140	140	6/12/2003 17:13	SN	45011	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	85-01-8	Phenanthrene	35	U	UG/KG	35	35	6/11/2003 12:37	SN	45045	0305436-04
ATOM-01-SB-001-(4.5-5.0)	129-00-0	Pyrene	37	U	UG/KG	37	37	6/11/2003 13:34	SN	45175	0305436-09
ATOM-01-SB-001-(7.5-8.0)	129-00-0	Pyrene	37	U	UG/KG	37	37	6/11/2003 13:52	SN	45192	0305436-10
ATOM-02-SB-001-(3.5-4.0)	129-00-0	Pyrene	240		UG/KG	150	150	6/12/2003 18:46	SN	45243	0305436-13
ATOM-02-SB-001-(3.5-4.0)DL	129-00-0	Pyrene	760	U	UG/KG	760	760	6/12/2003 18:28	SN	45260	0305436-13DL
ATOM-02-SB-001-(7.5-8.0)	129-00-0	Pyrene	37	U	UG/KG	37	37	6/11/2003 14:49	SN	45277	0305436-14
ATOM-02-SB-002-(3.5-4.0)	129-00-0	Pyrene	98		UG/KG	38	38	6/11/2003 14:11	SN	45209	0305436-11
ATOM-02-SB-002-(7.5-8.0)	129-00-0	Pyrene	37	U	UG/KG	37	37	6/11/2003 14:30	SN	45226	0305436-12
B060403MPNSLG	129-00-0	Pyrene	33	U	UG/KG	33	33	6/11/2003 10:44	SN	45430	B060403MPNSLG
B060503MPNSLH	129-00-0	Pyrene	33	U	UG/KG	33	33	6/12/2003 10:38	SN	45447	B060503MPNSLH

EC50-01-SB-006 (14.5-15)DL	129-00-0	Pyrene	68	U	UG/KG	68	68	6/13/2003 9:48	SN	45379	0306004-03DL
EC50-01-SB-006 (14.5-15.0)	129-00-0	Pyrene	34	U	UG/KG	34	34	6/12/2003 11:35	SN	45362	0306004-03
EC50-01-SB-006 (3.5-4.0)	129-00-0	Pyrene	150	U	UG/KG	150	150	6/12/2003 12:13	SN	45311	0306004-01
EC50-01-SB-106 (14.5-15)DL	129-00-0	Pyrene	69	U	UG/KG	69	69	6/13/2003 9:29	SN	45345	0306004-02DL
EC50-01-SB-106 (14.5-15.0)	129-00-0	Pyrene	34	U	UG/KG	34	34	6/12/2003 11:16	SN	45328	0306004-02
GRJN-01-SB-001-(11.5-12)DL	129-00-0	Pyrene	1400	U	UG/KG	1400	1400	6/12/2003 17:50	SN	45124	0305436-07DL
GRJN-01-SB-001-(11.5-12.0)	129-00-0	Pyrene	340	U	UG/KG	340	340	6/12/2003 18:09	SN	45107	0305436-07
GRJN-01-SB-001-(14.5-15)DL	129-00-0	Pyrene	67	U	UG/KG	67	67	6/12/2003 16:54	SN	45158	0305436-08DL
GRJN-01-SB-001-(14.5-15.0)	129-00-0	Pyrene	37		UG/KG	34	34	6/11/2003 13:15	SN	45141	0305436-08
GRJN-01-SB-001-(7.5-8.0)	129-00-0	Pyrene	550		UG/KG	140	140	6/11/2003 16:22	SN	45073	0305436-06
GRJN-01-SB-001-(7.5-8.0)DL	129-00-0	Pyrene	700	U	UG/KG	700	700	6/12/2003 17:31	SN	45090	0305436-06DL
GRJN-01-SB-004-(14.0-14.5)	129-00-0	Pyrene	34	U	UG/KG	34	34	6/11/2003 15:07	SN	45294	0305436-15
GRJN-01-SB-005 (14.5-15.0)	129-00-0	Pyrene	34	U	UG/KG	34	34	6/12/2003 11:54	SN	45396	0306004-05
HRRT-01-SB-001-(12.0-12.5)	129-00-0	Pyrene	41	U	UG/KG	41	41	6/11/2003 12:18	SN	45022	0305436-03
HRRT-01-SB-001-(15.5-16.0)	129-00-0	Pyrene	40	U	UG/KG	40	40	6/11/2003 12:56	SN	45056	0305436-05
HRRT-01-SB-001-(3.5-4.0)	129-00-0	Pyrene	35	U	UG/KG	35	35	6/11/2003 11:22	SN	44971	0305436-01
HRRT-01-SB-001-(7.5-8.0)	129-00-0	Pyrene	84		UG/KG	35	35	6/11/2003 15:45	SN	44988	0305436-02
HRRT-01-SB-001-(7.5-8.0)DL	129-00-0	Pyrene	140	U	UG/KG	140	140	6/12/2003 17:13	SN	45005	0305436-02DL
HRRT-01-SB-101-(3.5-4.0)	129-00-0	Pyrene	35	U	UG/KG	35	35	6/11/2003 12:37	SN	45039	0305436-04
B060303MVOSF1	100-42-5	Styrene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43258	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	100-42-5	Styrene	3	U	UG/KG	3	3	6/3/2003 15:50	V6	44796	0305436-15
B060303MVOSF1	127-18-4	Tetrachloroethene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43248	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	127-18-4	Tetrachloroethene	3	U	UG/KG	3	3	6/3/2003 15:50	V6	44786	0305436-15
ATOM-01-SB-001-(4.5-5.0)	108-88-3	Toluene	67	U	ug/Kg	67	33	6/8/2003 0:17	8X	44886	0305436-09
ATOM-01-SB-001-(7.5-8.0)	108-88-3	Toluene	66	U	ug/Kg	66	33	6/8/2003 0:56	8X	44891	0305436-10
ATOM-02-SB-002-(3.5-4.0)	108-88-3	Toluene	68	U	ug/Kg	68	34	6/8/2003 2:14	8X	44896	0305436-11
ATOM-02-SB-002-(7.5-8.0)	108-88-3	Toluene	67	U	ug/Kg	67	33	6/8/2003 2:53	8X	44901	0305436-12
B060303MVOSF1	108-88-3	Toluene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43245	B060303MVOSF1
B060603GVOSK1	108-88-3	Toluene	60	U	ug/Kg	60	30	6/7/2003 15:13	8X	44936	B060603GVOSK1
B060603GVOSK1RE	108-88-3	Toluene	60	U	ug/Kg	60	30	6/9/2003 6:45	8X	44941	B060603GVOSK1RE
EC50-01-SB-006 (14.5-15.0)	108-88-3	Toluene	61	U	ug/Kg	61	31	6/9/2003 9:20	8X	44916	0306004-03
EC50-01-SB-006 (3.5-4.0)	108-88-3	Toluene	67	U	ug/Kg	67	34	6/9/2003 8:03	8X	44906	0306004-01
EC50-01-SB-106 (14.5-15.0)	108-88-3	Toluene	62	U	ug/Kg	62	31	6/9/2003 8:41	8X	44911	0306004-02
GRJN-01-SB-001-(11.5-12.0)	108-88-3	Toluene	61	U	ug/Kg	61	31	6/7/2003 19:45	8X	44876	0305436-07
GRJN-01-SB-001-(14.5-15.0)	108-88-3	Toluene	61	U	ug/Kg	61	30	6/7/2003 20:24	8X	44881	0305436-08
GRJN-01-SB-001-(7.5-8.0)	108-88-3	Toluene	63	U	ug/Kg	63	32	6/7/2003 19:07	8X	44871	0305436-06
GRJN-01-SB-004-(14.0-14.5)	108-88-3	Toluene	3	U	UG/KG	3	3	6/3/2003 15:50	V6	44783	0305436-15
GRJN-01-SB-005 (14.5-15.0)	108-88-3	Toluene	61	U	ug/Kg	61	30	6/9/2003 9:59	8X	44921	0306004-05
HRRT-01-SB-001-(12.0-12.5)	108-88-3	Toluene	73	U	ug/Kg	73	37	6/7/2003 17:10	8X	44856	0305436-03
HRRT-01-SB-001-(15.5-16.0)	108-88-3	Toluene	72	U	ug/Kg	72	36	6/7/2003 18:28	8X	44866	0305436-05
HRRT-01-SB-001-(3.5-4.0)	108-88-3	Toluene	62	U	ug/Kg	62	31	6/7/2003 22:21	8X	44846	0305436-01
HRRT-01-SB-001-(7.5-8.0)	108-88-3	Toluene	63	U	ug/Kg	63	32	6/7/2003 16:31	8X	44851	0305436-02
HRRT-01-SB-101-(3.5-4.0)	108-88-3	Toluene	63	U	ug/Kg	63	32	6/7/2003 17:49	8X	44861	0305436-04
B060303MVOSF1	156-60-5	trans-1,2-Dichloroethene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43231	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	156-60-5	trans-1,2-Dichloroethene	3	U	UG/KG	3	3	6/3/2003 15:50	V6	44769	0305436-15
B060303MVOSF1	10061-02-6	trans-1,3-Dichloropropene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43246	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	10061-02-6	trans-1,3-Dichloropropene	3	U	UG/KG	3	3	6/3/2003 15:50	V6	44784	0305436-15
B060303MVOSF1	79-01-6	Trichloroethene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43240	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	79-01-6	Trichloroethene	3	U	UG/KG	3	3	6/3/2003 15:50	V6	44778	0305436-15
B060303MVOSF1	75-69-4	Trichlorofluoromethane	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43252	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	75-69-4	Trichlorofluoromethane	3	U	UG/KG	3	3	6/3/2003 15:50	V6	44790	0305436-15
B060303MVOSF1	75-01-4	Vinyl chloride	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43224	B060303MVOSF1
GRJN-01-SB-004-(14.0-14.5)	75-01-4	Vinyl chloride	3	U	UG/KG	3	3	6/3/2003 15:50	V6	44762	0305436-15

300GG-DECON-0503	91-57-6	2-Methylnaphthalene	1	U	UG/L	1	1	6/11/2003 10:26	SN	45415	0306004-06
B060503MPNWLT	91-57-6	2-Methylnaphthalene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45466	B060503MPNWLT
300GG-DECON-0503	83-32-9	Acenaphthene	1	U	UG/L	1	1	6/11/2003 10:26	SN	45417	0306004-06
B060503MPNWLT	83-32-9	Acenaphthene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45468	B060503MPNWLT
300GG-DECON-0503	208-96-8	Acenaphthylene	1	U	UG/L	1	1	6/11/2003 10:26	SN	45416	0306004-06
B060503MPNWLT	208-96-8	Acenaphthylene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45467	B060503MPNWLT
300GG-DECON-0503	120-12-7	Anthracene	1	U	UG/L	1	1	6/11/2003 10:26	SN	45420	0306004-06
B060503MPNWLT	120-12-7	Anthracene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45471	B060503MPNWLT
300GG-DECON-0503	71-43-2	Benzene	0.2	U	ug/L	0.2	0.1	6/9/2003 16:11	8X	44925	0306004-06
300GG-DECON-0503TB	71-43-2	Benzene	0.2	U	ug/L	0.2	0.1	6/9/2003 15:33	8X	44930	0306004-07
B060903GVOWK1	71-43-2	Benzene	0.2	U	ug/L	0.2	0.1	6/9/2003 12:33	8X	44945	B060903GVOWK1
300GG-DECON-0503	56-55-3	Benzo[a]anthracene	1	U	UG/L	1	1	6/11/2003 10:26	SN	45422	0306004-06
B060503MPNWLT	56-55-3	Benzo[a]anthracene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45473	B060503MPNWLT
300GG-DECON-0503	50-32-8	Benzo[a]pyrene	1	U	UG/L	1	1	6/11/2003 10:26	SN	45426	0306004-06
B060503MPNWLT	50-32-8	Benzo[a]pyrene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45477	B060503MPNWLT
300GG-DECON-0503	205-99-2	Benzo[b]fluoranthene	1	U	UG/L	1	1	6/11/2003 10:26	SN	45424	0306004-06
B060503MPNWLT	205-99-2	Benzo[b]fluoranthene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45475	B060503MPNWLT
300GG-DECON-0503	191-24-2	Benzo[g,h,I]perylene	1	U	UG/L	1	1	6/11/2003 10:26	SN	45429	0306004-06
B060503MPNWLT	191-24-2	Benzo[g,h,I]perylene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45480	B060503MPNWLT
300GG-DECON-0503	207-08-9	Benzo[k]fluoranthene	1	U	UG/L	1	1	6/11/2003 10:26	SN	45425	0306004-06
B060503MPNWLT	207-08-9	Benzo[k]fluoranthene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45476	B060503MPNWLT
300GG-DECON-0503	218-01-9	Chrysene	1	U	UG/L	1	1	6/11/2003 10:26	SN	45423	0306004-06
B060503MPNWLT	218-01-9	Chrysene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45474	B060503MPNWLT
300GG-DECON-0503	53-70-3	Dibenzo[a,h]anthracene	1	U	UG/L	1	1	6/11/2003 10:26	SN	45428	0306004-06
B060503MPNWLT	53-70-3	Dibenzo[a,h]anthracene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45479	B060503MPNWLT
300GG-DECON-0503	100-41-4	Ethyl Benzene	0.2	U	ug/L	0.2	0.1	6/9/2003 16:11	8X	44927	0306004-06
300GG-DECON-0503TB	100-41-4	Ethyl Benzene	0.2	U	ug/L	0.2	0.1	6/9/2003 15:33	8X	44932	0306004-07
B060903GVOWK1	100-41-4	Ethyl Benzene	0.2	U	ug/L	0.2	0.1	6/9/2003 12:33	8X	44947	B060903GVOWK1
300GG-DECON-0503	206-44-0	Fluoranthene	1	U	UG/L	1	1	6/11/2003 10:26	SN	45421	0306004-06
B060503MPNWLT	206-44-0	Fluoranthene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45472	B060503MPNWLT
300GG-DECON-0503	86-73-7	Fluorene	1	U	UG/L	1	1	6/11/2003 10:26	SN	45418	0306004-06
B060503MPNWLT	86-73-7	Fluorene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45469	B060503MPNWLT
300GG-DECON-0503	193-39-5	Indeno[1,2,3-cd]pyrene	1	U	UG/L	1	1	6/11/2003 10:26	SN	45427	0306004-06
B060503MPNWLT	193-39-5	Indeno[1,2,3-cd]pyrene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45478	B060503MPNWLT
300GG-DECON-0503	108-38-3	m,p-Xylene	0.4	U	ug/L	0.4	0.2	6/9/2003 16:11	8X	44928	0306004-06
300GG-DECON-0503TB	108-38-3	m,p-Xylene	0.4	U	ug/L	0.4	0.2	6/9/2003 15:33	8X	44933	0306004-07
B060903GVOWK1	108-38-3	m,p-Xylene	0.4	U	ug/L	0.4	0.2	6/9/2003 12:33	8X	44948	B060903GVOWK1
300GG-DECON-0503	91-20-3	Naphthalene	1	U	UG/L	1	1	6/11/2003 10:26	SN	45414	0306004-06
B060503MPNWLT	91-20-3	Naphthalene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45465	B060503MPNWLT
300GG-DECON-0503	95-47-6	o-Xylene	0.2	U	ug/L	0.2	0.1	6/9/2003 16:11	8X	44929	0306004-06
300GG-DECON-0503TB	95-47-6	o-Xylene	0.2	U	ug/L	0.2	0.1	6/9/2003 15:33	8X	44934	0306004-07
B060903GVOWK1	95-47-6	o-Xylene	0.2	U	ug/L	0.2	0.1	6/9/2003 12:33	8X	44949	B060903GVOWK1
300GG-DECON-0503	85-01-8	Phenanthrene	1	U	UG/L	1	1	6/11/2003 10:26	SN	45419	0306004-06
B060503MPNWLT	85-01-8	Phenanthrene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45470	B060503MPNWLT
300GG-DECON-0503	129-00-0	Pyrene	1	U	UG/L	1	1	6/11/2003 10:26	SN	45413	0306004-06
B060503MPNWLT	129-00-0	Pyrene	1	U	UG/L	1	1	6/11/2003 9:48	SN	45464	B060503MPNWLT
300GG-DECON-0503	108-88-3	Toluene	0.3	U	ug/L	0.3	0.15	6/9/2003 16:11	8X	44926	0306004-06
300GG-DECON-0503TB	108-88-3	Toluene	0.58		ug/L	0.3	0.15	6/9/2003 15:33	8X	44931	0306004-07
B060903GVOWK1	108-88-3	Toluene	0.3	U	ug/L	0.3	0.15	6/9/2003 12:33	8X	44946	B060903GVOWK1

fs_Sample_ID_Client	fs_CAS_Number	fs_Analyte	ff_Result	fs_Flag	fs_Units	ff_PQL	ff_SDL	ft_Date_Analysis	fs_Fraction	bwk_Resul	fs_Sample_ID_Lab
ATOM-01-SB-002-(3.5-4.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/16/2003 0:03	T8	43105	0305435-01
ATOM-01-SB-002-(4.5-5.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/16/2003 0:49	T8	43109	0305435-02
ATOM-01-SB-002-(7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/16/2003 1:35	T8	43113	0305435-03
ATOM-01-SB-003-(3.5-4.0)	68334-30-5	Diesel Range Organics (C12-C24)	13		mg/Kg	11	11	6/16/2003 2:21	T8	43117	0305435-04
ATOM-01-SB-003-(7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/16/2003 3:07	T8	43121	0305435-05
ATOM-01-SB-004-(1.0-1.5)	68334-30-5	Diesel Range Organics (C12-C24)	15		mg/Kg	12	12	6/16/2003 3:53	T8	43125	0305435-06
ATOM-01-SB-004-(7.0-7.5)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/16/2003 7:42	T8	43129	0305435-07
ATOM-02-SB-003-(2.5-3.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/16/2003 10:03	T8	43133	0305435-08
ATOM-02-SB-003-(4.5-5.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/16/2003 10:49	T8	43137	0305435-09
ATOM-02-SB-004-(3.5-4.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	6100	D	mg/Kg	570	570	6/18/2003 7:58	T8	43183	0305435-10DL
ATOM-02-SB-004-(6.5-7.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/16/2003 12:20	T8	43144	0305435-11
ATOM-02-SB-104-(3.5-4.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	5900	D	mg/Kg	570	570	6/18/2003 8:44	T8	43184	0305435-12DL
B060703GSVSLO	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/15/2003 22:31	T8	43101	B060703GSVSLO
GRJN-01-SB-005 (11.5-12.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/16/2003 19:13	T8	43163	0306003-04
GRJN-01-SB-005 (7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/16/2003 18:27	T8	43159	0306003-03
GRJN-01-SB-006 (11.0-11.5)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/16/2003 16:56	T8	43151	0306003-01
GRJN-01-SB-006 (14.0-14.5)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/16/2003 20:44	T8	43171	0306003-06
GRJN-01-SB-006 (7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/16/2003 22:16	T8	43179	0306003-08
GRJN-01-SB-007 (14.0-14.5)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/16/2003 19:59	T8	43167	0306003-05
GRJN-01-SB-007 (2.5-3.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/16/2003 17:41	T8	43155	0306003-02
GRJN-01-SB-007 (6.0-6.5)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/16/2003 21:30	T8	43175	0306003-07
ATOM-01-SB-002-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	44	U	mg/Kg	44	44	6/16/2003 0:03	T8	43106	0305435-01
ATOM-01-SB-002-(4.5-5.0)	IT15-49-4	Oil Range Organics (C24-C40)	46	U	mg/Kg	46	46	6/16/2003 0:49	T8	43110	0305435-02
ATOM-01-SB-002-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	44	U	mg/Kg	44	44	6/16/2003 1:35	T8	43114	0305435-03
ATOM-01-SB-003-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	130		mg/Kg	45	45	6/16/2003 2:21	T8	43118	0305435-04
ATOM-01-SB-003-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/16/2003 3:07	T8	43122	0305435-05
ATOM-01-SB-004-(1.0-1.5)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/16/2003 3:53	T8	43126	0305435-06
ATOM-01-SB-004-(7.0-7.5)	IT15-49-4	Oil Range Organics (C24-C40)	45	U	mg/Kg	45	45	6/16/2003 7:42	T8	43130	0305435-07
ATOM-02-SB-003-(2.5-3.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/16/2003 10:03	T8	43134	0305435-08
ATOM-02-SB-003-(4.5-5.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/16/2003 10:49	T8	43138	0305435-09
ATOM-02-SB-004-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	68		mg/Kg	45	45	6/16/2003 11:34	T8	43141	0305435-10
ATOM-02-SB-004-(6.5-7.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/16/2003 12:20	T8	43145	0305435-11
ATOM-02-SB-104-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	51		mg/Kg	45	45	6/16/2003 13:06	T8	43148	0305435-12
B060703GSVSLO	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/15/2003 22:31	T8	43102	B060703GSVSLO
GRJN-01-SB-005 (11.5-12.0)	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/16/2003 19:13	T8	43164	0306003-04
GRJN-01-SB-005 (7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/16/2003 18:27	T8	43160	0306003-03
GRJN-01-SB-006 (11.0-11.5)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/16/2003 16:56	T8	43152	0306003-01
GRJN-01-SB-006 (14.0-14.5)	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/16/2003 20:44	T8	43172	0306003-06
GRJN-01-SB-006 (7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/16/2003 22:16	T8	43180	0306003-08
GRJN-01-SB-007 (14.0-14.5)	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/16/2003 19:59	T8	43168	0306003-05
GRJN-01-SB-007 (2.5-3.0)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/16/2003 17:41	T8	43156	0306003-02
GRJN-01-SB-007 (6.0-6.5)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/16/2003 21:30	T8	43176	0306003-07

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B060403GSVSLG	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/14/2003 19:25	T8	43013	B060403GSVSLG
B060903GSVSLH	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/16/2003 1:15	T8	43075	B060903GSVSLH
EC50-01-SB-007 (11.5-12.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/16/2003 3:08	T8	43083	0306002-02
EC50-01-SB-007 (14.5-15.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/16/2003 2:30	T8	43079	0306002-01
EC50-01-SB-007 (7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/16/2003 3:46	T8	43087	0306002-03
EC50-01-SB-008 (14.0-14.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/16/2003 4:23	T8	43091	0306002-04
GRJN-01-SB-002(13.5-14.)DL	68334-30-5	Diesel Range Organics (C12-C24)	14000	D	mg/Kg	1000	1000	6/17/2003 22:13	T8	43100	0305434-10DL
GRJN-01-SB-002-(7.5-8.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	13000	D	mg/Kg	1000	1000	6/17/2003 21:35	T8	43099	0305434-09DL
GRJN-01-SB-003-(10.0-10.5)	68334-30-5	Diesel Range Organics (C12-C24)	20		mg/Kg	10	10	6/15/2003 5:27	T8	43048	0305434-11
GRJN-01-SB-003-(14.0-14.5)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/15/2003 6:05	T8	43052	0305434-12
GRJN-01-SB-003-(14.5-15.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/15/2003 6:43	T8	43056	0305434-13
GRJN-01-SB-004(10.5-11)DL	68334-30-5	Diesel Range Organics (C12-C24)	1500	D	mg/Kg	100	100	6/17/2003 20:20	T8	43097	0305434-15DL
GRJN-01-SB-004-(7.5-8.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	570	D	mg/Kg	52	52	6/17/2003 17:50	T8	43096	0305434-14DL
GRJN-01-SB-102-(13.5-14)DL	68334-30-5	Diesel Range Organics (C12-C24)	18000	D	mg/Kg	1000	1000	6/17/2003 20:58	T8	43098	0305434-16DL
HRRT-01-SB-002-(11.5-12.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/14/2003 21:18	T8	43021	0305434-02
HRRT-01-SB-002-(14.5-15.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/14/2003 21:55	T8	43025	0305434-03
HRRT-01-SB-002-(7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/14/2003 20:40	T8	43017	0305434-01
HRRT-01-SB-003-(14.5-15.0)	68334-30-5	Diesel Range Organics (C12-C24)	17		mg/Kg	12	12	6/15/2003 3:35	T8	43036	0305434-05
HRRT-01-SB-003-(7.5-8.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	2300	D	mg/Kg	210	210	6/17/2003 17:12	T8	43095	0305434-04DL
HRRT-01-SB-004-(11.5-12.0)	68334-30-5	Diesel Range Organics (C12-C24)	54		mg/Kg	11	11	6/15/2003 4:12	T8	43040	0305434-07
HRRT-01-SB-004-(14.5-15.0)	68334-30-5	Diesel Range Organics (C12-C24)	44		mg/Kg	12	12	6/15/2003 4:50	T8	43044	0305434-08
HRRT-01-SB-004-(6.0-6.5)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/14/2003 22:33	T8	43029	0305434-06
B060403GSVSLG	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/14/2003 19:25	T8	43014	B060403GSVSLG
B060903GSVSLH	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/16/2003 1:15	T8	43076	B060903GSVSLH
EC50-01-SB-007 (11.5-12.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/16/2003 3:08	T8	43084	0306002-02
EC50-01-SB-007 (14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/16/2003 2:30	T8	43080	0306002-01
EC50-01-SB-007 (7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	47	U	mg/Kg	47	47	6/16/2003 3:46	T8	43088	0306002-03
EC50-01-SB-008 (14.0-14.5)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/16/2003 4:23	T8	43092	0306002-04
GRJN-01-SB-002-(13.5-14.0)	IT15-49-4	Oil Range Organics (C24-C40)	110		mg/Kg	42	42	6/15/2003 15:12	T8	43072	0305434-10
GRJN-01-SB-002-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	71		mg/Kg	42	42	6/15/2003 13:57	T8	43069	0305434-09
GRJN-01-SB-003-(10.0-10.5)	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/15/2003 5:27	T8	43049	0305434-11
GRJN-01-SB-003-(14.0-14.5)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/15/2003 6:05	T8	43053	0305434-12
GRJN-01-SB-003-(14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	45	U	mg/Kg	45	45	6/15/2003 6:43	T8	43057	0305434-13
GRJN-01-SB-004-(10.5-11.0)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/15/2003 12:41	T8	43063	0305434-15
GRJN-01-SB-004-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/15/2003 7:18	T8	43060	0305434-14
GRJN-01-SB-102-(13.5-14.0)	IT15-49-4	Oil Range Organics (C24-C40)	480		mg/Kg	41	41	6/15/2003 13:19	T8	43066	0305434-16
HRRT-01-SB-002-(11.5-12.0)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/14/2003 21:18	T8	43022	0305434-02
HRRT-01-SB-002-(14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/14/2003 21:55	T8	43026	0305434-03
HRRT-01-SB-002-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/14/2003 20:40	T8	43018	0305434-01
HRRT-01-SB-003-(14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	47	U	mg/Kg	47	47	6/15/2003 3:35	T8	43037	0305434-05
HRRT-01-SB-003-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/15/2003 2:57	T8	43033	0305434-04
HRRT-01-SB-004-(11.5-12.0)	IT15-49-4	Oil Range Organics (C24-C40)	44	U	mg/Kg	44	44	6/15/2003 4:12	T8	43041	0305434-07
HRRT-01-SB-004-(14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/15/2003 4:50	T8	43045	0305434-08
HRRT-01-SB-004-(6.0-6.5)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/14/2003 22:33	T8	43030	0305434-06

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B060303GSVSLC	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/13/2003 20:31	T8	44677	B060303GSVSLC
HRDR-01-SB-002-(11.0-11.5)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/13/2003 22:24	T8	44685	0305425-02
HRDR-01-SB-002-(7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/13/2003 21:46	T8	44681	0305425-01
HRDR-01-SB-003-(11-11.5)DL	68334-30-5	Diesel Range Organics (C12-C24)	16000	D	mg/Kg	1000	1000	6/15/2003 20:51	T8	44750	0305425-05DL
HRDR-01-SB-003-(3.5-4.0)	68334-30-5	Diesel Range Organics (C12-C24)	94		mg/Kg	11	11	6/13/2003 23:01	T8	44689	0305425-03
HRDR-01-SB-003-(7.5-8.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	20000	D	mg/Kg	1100	1100	6/15/2003 20:14	T8	44749	0305425-04DL
HRDR-01-SB-004-(11.5-12.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/14/2003 0:17	T8	44693	0305425-07
HRDR-01-SB-004-(13.0-13.5)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/14/2003 0:54	T8	44697	0305425-08
HRDR-01-SB-004-(7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/26/2003 9:34	T8	44753	0305425-06
HRDR-01-SB-102-(11.0-11.5)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/14/2003 4:02	T8	44701	0305425-09
HRDR-02-SB-002-(10.5-11.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/14/2003 5:55	T8	44713	0305425-12
HRDR-02-SB-002-(3.5-4.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/14/2003 4:40	T8	44705	0305425-10
HRDR-02-SB-002-(7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/14/2003 5:17	T8	44709	0305425-11
HRDR-02-SB-003-(10-10.5)DL	68334-30-5	Diesel Range Organics (C12-C24)	1400	D	mg/Kg	110	110	6/15/2003 18:21	T8	44748	0305425-15DL
HRDR-02-SB-003-(3.5-4.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	850	D	mg/Kg	55	55	6/15/2003 21:29	T8	44751	0305425-13DL
HRDR-02-SB-003-(7.5-8.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	470	D	mg/Kg	55	55	6/15/2003 22:07	T8	44752	0305425-14DL
HRDR-02-SB-004-(2.0-2.5)	68334-30-5	Diesel Range Organics (C12-C24)	37		mg/Kg	11	11	6/14/2003 6:33	T8	44717	0305425-16
HRDR-02-SB-004-(6.0-6.5)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/14/2003 7:10	T8	44721	0305425-17
HRDR-02-SB-004-(9.5-10.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/14/2003 7:48	T8	44725	0305425-18
HRDR-02-SB-104-(2.0-2.5)	68334-30-5	Diesel Range Organics (C12-C24)	140		mg/Kg	11	11	6/26/2003 10:12	T8	44757	0305425-19
MNNW-01-SB-006-(9.5-10.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/14/2003 11:14	T8	44729	0305425-20
B060303GSVSLC	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/13/2003 20:31	T8	44678	B060303GSVSLC
HRDR-01-SB-002-(11.0-11.5)	IT15-49-4	Oil Range Organics (C24-C40)	44	U	mg/Kg	44	44	6/13/2003 22:24	T8	44686	0305425-02
HRDR-01-SB-002-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/13/2003 21:46	T8	44682	0305425-01
HRDR-01-SB-003-(11.0-11.5)	IT15-49-4	Oil Range Organics (C24-C40)	240		mg/Kg	42	42	6/14/2003 14:23	T8	44739	0305425-05
HRDR-01-SB-003-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/13/2003 23:01	T8	44690	0305425-03
HRDR-01-SB-003-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	260		mg/Kg	44	44	6/14/2003 13:45	T8	44736	0305425-04
HRDR-01-SB-004-(11.5-12.0)	IT15-49-4	Oil Range Organics (C24-C40)	44	U	mg/Kg	44	44	6/14/2003 0:17	T8	44694	0305425-07
HRDR-01-SB-004-(13.0-13.5)	IT15-49-4	Oil Range Organics (C24-C40)	44	U	mg/Kg	44	44	6/14/2003 0:54	T8	44698	0305425-08
HRDR-01-SB-004-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	73		mg/Kg	43	43	6/26/2003 9:34	T8	44754	0305425-06
HRDR-01-SB-102-(11.0-11.5)	IT15-49-4	Oil Range Organics (C24-C40)	44	U	mg/Kg	44	44	6/14/2003 4:02	T8	44702	0305425-09
HRDR-02-SB-002-(10.5-11.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/14/2003 5:55	T8	44714	0305425-12
HRDR-02-SB-002-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/14/2003 4:40	T8	44706	0305425-10
HRDR-02-SB-002-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/14/2003 5:17	T8	44710	0305425-11
HRDR-02-SB-003-(10.0-10.5)	IT15-49-4	Oil Range Organics (C24-C40)	80		mg/Kg	45	45	6/14/2003 11:52	T8	44733	0305425-15
HRDR-02-SB-003-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	150		mg/Kg	44	44	6/14/2003 15:01	T8	44742	0305425-13
HRDR-02-SB-003-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	80		mg/Kg	44	44	6/14/2003 15:38	T8	44745	0305425-14
HRDR-02-SB-004-(2.0-2.5)	IT15-49-4	Oil Range Organics (C24-C40)	45	U	mg/Kg	45	45	6/14/2003 6:33	T8	44718	0305425-16
HRDR-02-SB-004-(6.0-6.5)	IT15-49-4	Oil Range Organics (C24-C40)	44	U	mg/Kg	44	44	6/14/2003 7:10	T8	44722	0305425-17
HRDR-02-SB-004-(9.5-10.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/14/2003 7:48	T8	44726	0305425-18
HRDR-02-SB-104-(2.0-2.5)	IT15-49-4	Oil Range Organics (C24-C40)	66		mg/Kg	46	46	6/26/2003 10:12	T8	44758	0305425-19
MNNW-01-SB-006-(9.5-10.0)	IT15-49-4	Oil Range Organics (C24-C40)	47	U	mg/Kg	47	47	6/14/2003 11:14	T8	44730	0305425-20

fs_Sample_ID_Client	fs_CAS_Number	fs_Analyte	ff_Result	fs_Flag	fs_Units	ff_PQL	ff_SDL	ft_Date_Analysis	fs_Fraction	bwk_Result_I	fs_Sample_ID_Lab
B060203GSVSLH	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/12/2003 15:05	T8	43777	B060203GSVSLH
B061703GSVSLC	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/18/2003 14:50	T8	43861	B061703GSVSLC
HRDR-01-SB-001-(10.5-11)DL	68334-30-5	Diesel Range Organics (C12-C24)	71000	D	mg/Kg	5500	5500	6/13/2003 17:23	T8	43860	0305424-14DL
HRDR-01-SB-001-(13-13.5)DL	68334-30-5	Diesel Range Organics (C12-C24)	1400	D	mg/Kg	55	55	6/13/2003 14:52	T8	43856	0305424-09DL
HRDR-01-SB-001-(2.5-3.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	1200	D	mg/Kg	110	110	6/13/2003 16:07	T8	43858	0305424-10DL
HRDR-01-SB-001-(7.5-8.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	36000	D	mg/Kg	5600	5600	6/13/2003 16:45	T8	43859	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	68334-30-5	Diesel Range Organics (C12-C24)	18		mg/Kg	11	11	6/13/2003 1:45	T8	43804	0305424-13
HRDR-02-SB-001-(2.5-3.0)	68334-30-5	Diesel Range Organics (C12-C24)	40		mg/Kg	11	11	6/13/2003 13:37	T8	43848	0305424-11
HRDR-02-SB-001-(7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/13/2003 14:14	T8	43852	0305424-12
MNNW-01-SB-003-(9.5-10.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/13/2003 2:23	T8	43808	0305424-15
MNNW-01-SB-004-(1.5-2.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/13/2003 3:00	T8	43812	0305424-16
MNNW-01-SB-004-(6.0-6.5)	68334-30-5	Diesel Range Organics (C12-C24)	170		mg/Kg	10	10	6/13/2003 6:34	T8	43820	0305424-18
MNNW-01-SB-004-(6.5-7.0)	68334-30-5	Diesel Range Organics (C12-C24)	100		mg/Kg	11	11	6/13/2003 6:01	T8	43816	0305424-17
MNNW-01-SB-006-(7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/13/2003 7:41	T8	43828	0305424-20
MNNW-01-SB-103-(9.5-10.)RX	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/18/2003 16:05	T8	43865	0305424-19RX
MNNW-01-SB-103-(9.5-10.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/13/2003 7:08	T8	43824	0305424-19
OSRC-02-SB-001-(1.5-2.0)	68334-30-5	Diesel Range Organics (C12-C24)	170		mg/Kg	11	11	6/12/2003 16:20	T8	43781	0305424-01
OSRC-02-SB-001-(11.5-12.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/12/2003 16:58	T8	43785	0305424-03
OSRC-02-SB-001-(15.5-16)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/12/2003 17:35	T8	43789	0305424-04
OSRC-02-SB-001-(8.0-8.5)DL	68334-30-5	Diesel Range Organics (C12-C24)	1400	D	mg/Kg	230	230	6/13/2003 15:30	T8	43857	0305424-02DL
SE70-01-SB-001-(1.0-1.5)	68334-30-5	Diesel Range Organics (C12-C24)	150		mg/Kg	12	12	6/12/2003 18:13	T8	43793	0305424-05
SE70-01-SB-001-(5.5-6.0)	68334-30-5	Diesel Range Organics (C12-C24)	13	U	mg/Kg	13	13	6/13/2003 12:59	T8	43844	0305424-06
SE70-01-SB-005-(1.0-1.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/12/2003 22:36	T8	43800	0305424-07
B060203GSVSLH	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/12/2003 15:05	T8	43778	B060203GSVSLH
B061703GSVSLC	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/18/2003 14:50	T8	43862	B061703GSVSLC
HRDR-01-SB-001-(10.5-11.0)	IT15-49-4	Oil Range Organics (C24-C40)	620		mg/Kg	44	44	6/13/2003 9:59	T8	43841	0305424-14
HRDR-01-SB-001-(13.0-13.5)	IT15-49-4	Oil Range Organics (C24-C40)	44	U	mg/Kg	44	44	6/12/2003 19:28	T8	43797	0305424-09
HRDR-01-SB-001-(2.5-3.0)	IT15-49-4	Oil Range Organics (C24-C40)	63		mg/Kg	44	44	6/13/2003 8:48	T8	43835	0305424-10
HRDR-01-SB-001-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	520		mg/Kg	44	44	6/13/2003 9:21	T8	43838	0305424-08
HRDR-02-SB-001-(10.0-10.5)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/13/2003 1:45	T8	43805	0305424-13
HRDR-02-SB-001-(2.5-3.0)	IT15-49-4	Oil Range Organics (C24-C40)	100		mg/Kg	46	46	6/13/2003 13:37	T8	43849	0305424-11
HRDR-02-SB-001-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	59		mg/Kg	43	43	6/13/2003 14:14	T8	43853	0305424-12
MNNW-01-SB-003-(9.5-10.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/13/2003 2:23	T8	43809	0305424-15
MNNW-01-SB-004-(1.5-2.0)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/13/2003 3:00	T8	43813	0305424-16
MNNW-01-SB-004-(6.0-6.5)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/13/2003 6:34	T8	43821	0305424-18
MNNW-01-SB-004-(6.5-7.0)	IT15-49-4	Oil Range Organics (C24-C40)	45	U	mg/Kg	45	45	6/13/2003 6:01	T8	43817	0305424-17
MNNW-01-SB-006-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/13/2003 7:41	T8	43829	0305424-20
MNNW-01-SB-103-(9.5-10.)RX	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/18/2003 16:05	T8	43866	0305424-19RX
MNNW-01-SB-103-(9.5-10.0)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/13/2003 7:08	T8	43825	0305424-19
OSRC-02-SB-001-(1.5-2.0)	IT15-49-4	Oil Range Organics (C24-C40)	46	U	mg/Kg	46	46	6/12/2003 16:20	T8	43782	0305424-01
OSRC-02-SB-001-(11.5-12.0)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/12/2003 16:58	T8	43786	0305424-03
OSRC-02-SB-001-(15.5-16)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/12/2003 17:35	T8	43790	0305424-04
OSRC-02-SB-001-(8.0-8.5)	IT15-49-4	Oil Range Organics (C24-C40)	460		mg/Kg	45	45	6/13/2003 8:15	T8	43832	0305424-02
SE70-01-SB-001-(1.0-1.5)	IT15-49-4	Oil Range Organics (C24-C40)	50	U	mg/Kg	50	50	6/12/2003 18:13	T8	43794	0305424-05
SE70-01-SB-001-(5.5-6.0)	IT15-49-4	Oil Range Organics (C24-C40)	66		mg/Kg	51	51	6/13/2003 12:59	T8	43845	0305424-06
SE70-01-SB-005-(1.0-1.5)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/12/2003 22:36	T8	43801	0305424-07
B060303MVOSF1	71-55-6	1,1,1-Trichloroethane	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43236	B060303MVOSF1
B060503MVOSF1	71-55-6	1,1,1-Trichloroethane	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43320	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	71-55-6	1,1,1-Trichloroethane	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43282	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	71-55-6	1,1,1-Trichloroethane	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43198	0305424-14
B060303MVOSF1	79-34-5	1,1,2,2-Tetrachloroethane	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43260	B060303MVOSF1
B060503MVOSF1	79-34-5	1,1,2,2-Tetrachloroethane	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43344	B060503MVOSF1

HRDR-01-SB-001-(10.5-11)DL	79-34-5	1,1,2,2-Tetrachloroethane	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43306	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	79-34-5	1,1,2,2-Tetrachloroethane	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43222	0305424-14
B060303MVOSF1	79-00-5	1,1,2-Trichloroethane	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43247	B060303MVOSF1
B060503MVOSF1	79-00-5	1,1,2-Trichloroethane	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43331	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	79-00-5	1,1,2-Trichloroethane	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43293	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	79-00-5	1,1,2-Trichloroethane	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43209	0305424-14
B060303MVOSF1	75-34-3	1,1-Dichloroethane	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43232	B060303MVOSF1
B060503MVOSF1	75-34-3	1,1-Dichloroethane	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43316	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	75-34-3	1,1-Dichloroethane	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43278	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	75-34-3	1,1-Dichloroethane	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43194	0305424-14
B060303MVOSF1	75-35-4	1,1-Dichloroethene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43227	B060303MVOSF1
B060503MVOSF1	75-35-4	1,1-Dichloroethene	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43311	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	75-35-4	1,1-Dichloroethene	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43273	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	75-35-4	1,1-Dichloroethene	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43189	0305424-14
B060303MVOSF1	107-06-2	1,2-Dichloroethane	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43239	B060303MVOSF1
B060503MVOSF1	107-06-2	1,2-Dichloroethane	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43323	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	107-06-2	1,2-Dichloroethane	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43285	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	107-06-2	1,2-Dichloroethane	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43201	0305424-14
B060303MVOSF1	78-87-5	1,2-Dichloropropane	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43241	B060303MVOSF1
B060503MVOSF1	78-87-5	1,2-Dichloropropane	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43325	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	78-87-5	1,2-Dichloropropane	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43287	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	78-87-5	1,2-Dichloropropane	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43203	0305424-14
B060303MVOSF1	78-93-3	2-Butanone	10	U	UG/KG	10	10	6/3/2003 13:52	V6	43234	B060303MVOSF1
B060503MVOSF1	78-93-3	2-Butanone	1000	U	UG/KG	1000	1000	6/5/2003 16:48	V6	43318	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	78-93-3	2-Butanone	1100	U	UG/KG	1100	1100	6/5/2003 17:57	V6	43280	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	78-93-3	2-Butanone	110	U	UG/KG	110	110	6/3/2003 17:33	V6	43196	0305424-14
B060303MVOSF1	591-78-6	2-Hexanone	10	U	UG/KG	10	10	6/3/2003 13:52	V6	43250	B060303MVOSF1
B060503MVOSF1	591-78-6	2-Hexanone	1000	U	UG/KG	1000	1000	6/5/2003 16:48	V6	43334	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	591-78-6	2-Hexanone	1100	U	UG/KG	1100	1100	6/5/2003 17:57	V6	43296	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	591-78-6	2-Hexanone	110	U	UG/KG	110	110	6/3/2003 17:33	V6	43211	0305424-14
B060303MPNSLC	91-57-6	2-Methylnaphthalene	33	U	UG/KG	33	33	6/12/2003 13:28	SN	43627	B060303MPNSLC
HRDR-01-SB-001-(10.5-11)DL	91-57-6	2-Methylnaphthalene	100000	D	UG/KG	1500	1500	6/13/2003 12:35	SN	43610	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	91-57-6	2-Methylnaphthalene	78000	E	UG/KG	590	590	6/13/2003 13:12	SN	43593	0305424-14
HRDR-01-SB-001-(13.0-13.5)	91-57-6	2-Methylnaphthalene	1700		UG/KG	73	73	6/13/2003 11:20	SN	43508	0305424-09
HRDR-01-SB-001-(2.5-3.0)	91-57-6	2-Methylnaphthalene	150	U	UG/KG	150	150	6/13/2003 11:38	SN	43525	0305424-10
HRDR-01-SB-001-(7.5-8.0)	91-57-6	2-Methylnaphthalene	38000	E	UG/KG	300	300	6/13/2003 12:54	SN	43474	0305424-08
HRDR-01-SB-001-(7.5-8.0)DL	91-57-6	2-Methylnaphthalene	43000	D	UG/KG	740	740	6/13/2003 12:16	SN	43491	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	91-57-6	2-Methylnaphthalene	36	U	UG/KG	36	36	6/13/2003 11:01	SN	43576	0305424-13
HRDR-02-SB-001-(2.5-3.0)	91-57-6	2-Methylnaphthalene	77	U	UG/KG	77	77	6/13/2003 11:57	SN	43542	0305424-11
HRDR-02-SB-001-(7.5-8.0)	91-57-6	2-Methylnaphthalene	36	U	UG/KG	36	36	6/13/2003 10:42	SN	43559	0305424-12
OSRC-02-SB-001-(1.5-2.0)	91-57-6	2-Methylnaphthalene	38	U	UG/KG	38	38	6/12/2003 16:16	SN	43355	0305424-01
OSRC-02-SB-001-(11.5-12.0)	91-57-6	2-Methylnaphthalene	40	U	UG/KG	40	40	6/12/2003 14:05	SN	43389	0305424-03
OSRC-02-SB-001-(15.5-16)	91-57-6	2-Methylnaphthalene	40	U	UG/KG	40	40	6/12/2003 14:24	SN	43406	0305424-04
OSRC-02-SB-001-(8.0-8.5)	91-57-6	2-Methylnaphthalene	150	U	UG/KG	150	150	6/12/2003 16:35	SN	43372	0305424-02
SE70-01-SB-001-(1.0-1.5)	91-57-6	2-Methylnaphthalene	42	U	UG/KG	42	42	6/12/2003 14:43	SN	43423	0305424-05
SE70-01-SB-001-(5.5-6.0)	91-57-6	2-Methylnaphthalene	42	U	UG/KG	42	42	6/12/2003 15:01	SN	43440	0305424-06
SE70-01-SB-005-(1.0-1.5)	91-57-6	2-Methylnaphthalene	40	U	UG/KG	40	40	6/12/2003 15:20	SN	43457	0305424-07
B060303MVOSF1	108-10-1	4-Methyl-2-pentanone	10	U	UG/KG	10	10	6/3/2003 13:52	V6	43244	B060303MVOSF1
B060503MVOSF1	108-10-1	4-Methyl-2-pentanone	1000	U	UG/KG	1000	1000	6/5/2003 16:48	V6	43328	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	108-10-1	4-Methyl-2-pentanone	1100	U	UG/KG	1100	1100	6/5/2003 17:57	V6	43290	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	108-10-1	4-Methyl-2-pentanone	110	U	UG/KG	110	110	6/3/2003 17:33	V6	43206	0305424-14
B060303MPNSLC	83-32-9	Acenaphthene	33	U	UG/KG	33	33	6/12/2003 13:28	SN	43629	B060303MPNSLC
HRDR-01-SB-001-(10.5-11)DL	83-32-9	Acenaphthene	2900	D	UG/KG	1500	1500	6/13/2003 12:35	SN	43612	0305424-14DL

HRDR-01-SB-001-(10.5-11.0)	83-32-9	Acenaphthene	2400	UG/KG	590	590	6/13/2003 13:12	SN	43595	0305424-14
HRDR-01-SB-001-(13.0-13.5)	83-32-9	Acenaphthene	120	UG/KG	73	73	6/13/2003 11:20	SN	43510	0305424-09
HRDR-01-SB-001-(2.5-3.0)	83-32-9	Acenaphthene	150 U	UG/KG	150	150	6/13/2003 11:38	SN	43527	0305424-10
HRDR-01-SB-001-(7.5-8.0)	83-32-9	Acenaphthene	3700	UG/KG	300	300	6/13/2003 12:54	SN	43476	0305424-08
HRDR-01-SB-001-(7.5-8.0)DL	83-32-9	Acenaphthene	4700 D	UG/KG	740	740	6/13/2003 12:16	SN	43493	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	83-32-9	Acenaphthene	36 U	UG/KG	36	36	6/13/2003 11:01	SN	43578	0305424-13
HRDR-02-SB-001-(2.5-3.0)	83-32-9	Acenaphthene	77 U	UG/KG	77	77	6/13/2003 11:57	SN	43544	0305424-11
HRDR-02-SB-001-(7.5-8.0)	83-32-9	Acenaphthene	36 U	UG/KG	36	36	6/13/2003 10:42	SN	43561	0305424-12
OSRC-02-SB-001-(1.5-2.0)	83-32-9	Acenaphthene	38 U	UG/KG	38	38	6/12/2003 16:16	SN	43357	0305424-01
OSRC-02-SB-001-(11.5-12.0)	83-32-9	Acenaphthene	40 U	UG/KG	40	40	6/12/2003 14:05	SN	43391	0305424-03
OSRC-02-SB-001-(15.5-16)	83-32-9	Acenaphthene	40 U	UG/KG	40	40	6/12/2003 14:24	SN	43408	0305424-04
OSRC-02-SB-001-(8.0-8.5)	83-32-9	Acenaphthene	150 U	UG/KG	150	150	6/12/2003 16:35	SN	43374	0305424-02
SE70-01-SB-001-(1.0-1.5)	83-32-9	Acenaphthene	42 U	UG/KG	42	42	6/12/2003 14:43	SN	43425	0305424-05
SE70-01-SB-001-(5.5-6.0)	83-32-9	Acenaphthene	42 U	UG/KG	42	42	6/12/2003 15:01	SN	43442	0305424-06
SE70-01-SB-005-(1.0-1.5)	83-32-9	Acenaphthene	40 U	UG/KG	40	40	6/12/2003 15:20	SN	43459	0305424-07
B060303MPNSLC	208-96-8	Acenaphthylene	33 U	UG/KG	33	33	6/12/2003 13:28	SN	43628	B060303MPNSLC
HRDR-01-SB-001-(10.5-11)DL	208-96-8	Acenaphthylene	1500 U	UG/KG	1500	1500	6/13/2003 12:35	SN	43611	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	208-96-8	Acenaphthylene	590 U	UG/KG	590	590	6/13/2003 13:12	SN	43594	0305424-14
HRDR-01-SB-001-(13.0-13.5)	208-96-8	Acenaphthylene	73 U	UG/KG	73	73	6/13/2003 11:20	SN	43509	0305424-09
HRDR-01-SB-001-(2.5-3.0)	208-96-8	Acenaphthylene	150 U	UG/KG	150	150	6/13/2003 11:38	SN	43526	0305424-10
HRDR-01-SB-001-(7.5-8.0)	208-96-8	Acenaphthylene	300 U	UG/KG	300	300	6/13/2003 12:54	SN	43475	0305424-08
HRDR-01-SB-001-(7.5-8.0)DL	208-96-8	Acenaphthylene	740 U	UG/KG	740	740	6/13/2003 12:16	SN	43492	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	208-96-8	Acenaphthylene	36 U	UG/KG	36	36	6/13/2003 11:01	SN	43577	0305424-13
HRDR-02-SB-001-(2.5-3.0)	208-96-8	Acenaphthylene	77 U	UG/KG	77	77	6/13/2003 11:57	SN	43543	0305424-11
HRDR-02-SB-001-(7.5-8.0)	208-96-8	Acenaphthylene	36 U	UG/KG	36	36	6/13/2003 10:42	SN	43560	0305424-12
OSRC-02-SB-001-(1.5-2.0)	208-96-8	Acenaphthylene	38 U	UG/KG	38	38	6/12/2003 16:16	SN	43356	0305424-01
OSRC-02-SB-001-(11.5-12.0)	208-96-8	Acenaphthylene	40 U	UG/KG	40	40	6/12/2003 14:05	SN	43390	0305424-03
OSRC-02-SB-001-(15.5-16)	208-96-8	Acenaphthylene	40 U	UG/KG	40	40	6/12/2003 14:24	SN	43407	0305424-04
OSRC-02-SB-001-(8.0-8.5)	208-96-8	Acenaphthylene	150 U	UG/KG	150	150	6/12/2003 16:35	SN	43373	0305424-02
SE70-01-SB-001-(1.0-1.5)	208-96-8	Acenaphthylene	42 U	UG/KG	42	42	6/12/2003 14:43	SN	43424	0305424-05
SE70-01-SB-001-(5.5-6.0)	208-96-8	Acenaphthylene	42 U	UG/KG	42	42	6/12/2003 15:01	SN	43441	0305424-06
SE70-01-SB-005-(1.0-1.5)	208-96-8	Acenaphthylene	40 U	UG/KG	40	40	6/12/2003 15:20	SN	43458	0305424-07
B060303MVOSF1	67-64-1	Acetone	10 U	UG/KG	10	10	6/3/2003 13:52	V6	43228	B060303MVOSF1
B060503MVOSF1	67-64-1	Acetone	1000 U	UG/KG	1000	1000	6/5/2003 16:48	V6	43312	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	67-64-1	Acetone	1100 U	UG/KG	1100	1100	6/5/2003 17:57	V6	43274	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	67-64-1	Acetone	110 U	UG/KG	110	110	6/3/2003 17:33	V6	43190	0305424-14
B060303MPNSLC	120-12-7	Anthracene	33 U	UG/KG	33	33	6/12/2003 13:28	SN	43632	B060303MPNSLC
HRDR-01-SB-001-(10.5-11)DL	120-12-7	Anthracene	1500 U	UG/KG	1500	1500	6/13/2003 12:35	SN	43615	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	120-12-7	Anthracene	590 U	UG/KG	590	590	6/13/2003 13:12	SN	43598	0305424-14
HRDR-01-SB-001-(13.0-13.5)	120-12-7	Anthracene	73 U	UG/KG	73	73	6/13/2003 11:20	SN	43513	0305424-09
HRDR-01-SB-001-(2.5-3.0)	120-12-7	Anthracene	150 U	UG/KG	150	150	6/13/2003 11:38	SN	43530	0305424-10
HRDR-01-SB-001-(7.5-8.0)	120-12-7	Anthracene	300 U	UG/KG	300	300	6/13/2003 12:54	SN	43479	0305424-08
HRDR-01-SB-001-(7.5-8.0)DL	120-12-7	Anthracene	740 U	UG/KG	740	740	6/13/2003 12:16	SN	43496	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	120-12-7	Anthracene	36 U	UG/KG	36	36	6/13/2003 11:01	SN	43581	0305424-13
HRDR-02-SB-001-(2.5-3.0)	120-12-7	Anthracene	77 U	UG/KG	77	77	6/13/2003 11:57	SN	43547	0305424-11
HRDR-02-SB-001-(7.5-8.0)	120-12-7	Anthracene	36 U	UG/KG	36	36	6/13/2003 10:42	SN	43564	0305424-12
OSRC-02-SB-001-(1.5-2.0)	120-12-7	Anthracene	38 U	UG/KG	38	38	6/12/2003 16:16	SN	43360	0305424-01
OSRC-02-SB-001-(11.5-12.0)	120-12-7	Anthracene	40 U	UG/KG	40	40	6/12/2003 14:05	SN	43394	0305424-03
OSRC-02-SB-001-(15.5-16)	120-12-7	Anthracene	40 U	UG/KG	40	40	6/12/2003 14:24	SN	43411	0305424-04
OSRC-02-SB-001-(8.0-8.5)	120-12-7	Anthracene	150 U	UG/KG	150	150	6/12/2003 16:35	SN	43377	0305424-02
SE70-01-SB-001-(1.0-1.5)	120-12-7	Anthracene	42 U	UG/KG	42	42	6/12/2003 14:43	SN	43428	0305424-05
SE70-01-SB-001-(5.5-6.0)	120-12-7	Anthracene	42 U	UG/KG	42	42	6/12/2003 15:01	SN	43445	0305424-06
SE70-01-SB-005-(1.0-1.5)	120-12-7	Anthracene	40 U	UG/KG	40	40	6/12/2003 15:20	SN	43462	0305424-07

B060303MVOSF1	71-43-2	Benzene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43238	B060303MVOSF1
B060503GVOSK1	71-43-2	Benzene	40	U	ug/Kg	40	20	6/6/2003 6:47	8X	43758	B060503GVOSK1
B060503MVOSF1	71-43-2	Benzene	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43322	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	71-43-2	Benzene	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43284	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	71-43-2	Benzene	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43200	0305424-14
HRDR-01-SB-001-(13.0-13.5)	71-43-2	Benzene	44	U	ug/Kg	44	22	6/6/2003 15:49	8X	43733	0305424-09
HRDR-01-SB-001-(2.5-3.0)	71-43-2	Benzene	44	U	ug/Kg	44	22	6/6/2003 16:28	8X	43738	0305424-10
HRDR-01-SB-001-(7.5-8.0)	71-43-2	Benzene	44	U	ug/Kg	44	22	6/6/2003 11:57	8X	43728	0305424-08
HRDR-02-SB-001-(10.0-10.5)	71-43-2	Benzene	43	U	ug/Kg	43	22	6/6/2003 18:24	8X	43753	0305424-13
HRDR-02-SB-001-(2.5-3.0)	71-43-2	Benzene	46	U	ug/Kg	46	23	6/6/2003 17:07	8X	43743	0305424-11
HRDR-02-SB-001-(7.5-8.0)	71-43-2	Benzene	43	U	ug/Kg	43	22	6/6/2003 17:46	8X	43748	0305424-12
OSRC-02-SB-001-(1.5-2.0)	71-43-2	Benzene	46	U	ug/Kg	46	23	6/6/2003 8:04	8X	43693	0305424-01
OSRC-02-SB-001-(11.5-12.0)	71-43-2	Benzene	48	U	ug/Kg	48	24	6/6/2003 9:21	8X	43703	0305424-03
OSRC-02-SB-001-(15.5-16)	71-43-2	Benzene	48	U	ug/Kg	48	24	6/6/2003 10:00	8X	43708	0305424-04
OSRC-02-SB-001-(8.0-8.5)	71-43-2	Benzene	45	U	ug/Kg	45	23	6/6/2003 8:43	8X	43698	0305424-02
SE70-01-SB-001-(1.0-1.5)	71-43-2	Benzene	50	U	ug/Kg	50	25	6/6/2003 10:39	8X	43713	0305424-05
SE70-01-SB-001-(5.5-6.0)	71-43-2	Benzene	51	U	ug/Kg	51	25	6/6/2003 11:18	8X	43718	0305424-06
SE70-01-SB-005-(1.0-1.5)	71-43-2	Benzene	48	U	ug/Kg	48	24	6/6/2003 13:53	8X	43723	0305424-07
B060303MPNSLC	56-55-3	Benzo[a]anthracene	33	U	UG/KG	33	33	6/12/2003 13:28	SN	43634	B060303MPNSLC
HRDR-01-SB-001-(10.5-11)DL	56-55-3	Benzo[a]anthracene	1500	U	UG/KG	1500	1500	6/13/2003 12:35	SN	43617	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	56-55-3	Benzo[a]anthracene	590	U	UG/KG	590	590	6/13/2003 13:12	SN	43600	0305424-14
HRDR-01-SB-001-(13.0-13.5)	56-55-3	Benzo[a]anthracene	73	U	UG/KG	73	73	6/13/2003 11:20	SN	43515	0305424-09
HRDR-01-SB-001-(2.5-3.0)	56-55-3	Benzo[a]anthracene	150	U	UG/KG	150	150	6/13/2003 11:38	SN	43532	0305424-10
HRDR-01-SB-001-(7.5-8.0)	56-55-3	Benzo[a]anthracene	300	U	UG/KG	300	300	6/13/2003 12:54	SN	43481	0305424-08
HRDR-01-SB-001-(7.5-8.0)DL	56-55-3	Benzo[a]anthracene	740	U	UG/KG	740	740	6/13/2003 12:16	SN	43498	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	56-55-3	Benzo[a]anthracene	36	U	UG/KG	36	36	6/13/2003 11:01	SN	43583	0305424-13
HRDR-02-SB-001-(2.5-3.0)	56-55-3	Benzo[a]anthracene	77	U	UG/KG	77	77	6/13/2003 11:57	SN	43549	0305424-11
HRDR-02-SB-001-(7.5-8.0)	56-55-3	Benzo[a]anthracene	36	U	UG/KG	36	36	6/13/2003 10:42	SN	43566	0305424-12
OSRC-02-SB-001-(1.5-2.0)	56-55-3	Benzo[a]anthracene	38	U	UG/KG	38	38	6/12/2003 16:16	SN	43362	0305424-01
OSRC-02-SB-001-(11.5-12.0)	56-55-3	Benzo[a]anthracene	40	U	UG/KG	40	40	6/12/2003 14:05	SN	43396	0305424-03
OSRC-02-SB-001-(15.5-16)	56-55-3	Benzo[a]anthracene	40	U	UG/KG	40	40	6/12/2003 14:24	SN	43413	0305424-04
OSRC-02-SB-001-(8.0-8.5)	56-55-3	Benzo[a]anthracene	150	U	UG/KG	150	150	6/12/2003 16:35	SN	43379	0305424-02
SE70-01-SB-001-(1.0-1.5)	56-55-3	Benzo[a]anthracene	42	U	UG/KG	42	42	6/12/2003 14:43	SN	43430	0305424-05
SE70-01-SB-001-(5.5-6.0)	56-55-3	Benzo[a]anthracene	42	U	UG/KG	42	42	6/12/2003 15:01	SN	43447	0305424-06
SE70-01-SB-005-(1.0-1.5)	56-55-3	Benzo[a]anthracene	40	U	UG/KG	40	40	6/12/2003 15:20	SN	43464	0305424-07
B060303MPNSLC	50-32-8	Benzo[a]pyrene	33	U	UG/KG	33	33	6/12/2003 13:28	SN	43638	B060303MPNSLC
HRDR-01-SB-001-(10.5-11)DL	50-32-8	Benzo[a]pyrene	1500	U	UG/KG	1500	1500	6/13/2003 12:35	SN	43621	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	50-32-8	Benzo[a]pyrene	590	U	UG/KG	590	590	6/13/2003 13:12	SN	43604	0305424-14
HRDR-01-SB-001-(13.0-13.5)	50-32-8	Benzo[a]pyrene	73	U	UG/KG	73	73	6/13/2003 11:20	SN	43519	0305424-09
HRDR-01-SB-001-(2.5-3.0)	50-32-8	Benzo[a]pyrene	150	U	UG/KG	150	150	6/13/2003 11:38	SN	43536	0305424-10
HRDR-01-SB-001-(7.5-8.0)	50-32-8	Benzo[a]pyrene	300	U	UG/KG	300	300	6/13/2003 12:54	SN	43485	0305424-08
HRDR-01-SB-001-(7.5-8.0)DL	50-32-8	Benzo[a]pyrene	740	U	UG/KG	740	740	6/13/2003 12:16	SN	43502	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	50-32-8	Benzo[a]pyrene	36	U	UG/KG	36	36	6/13/2003 11:01	SN	43587	0305424-13
HRDR-02-SB-001-(2.5-3.0)	50-32-8	Benzo[a]pyrene	77	U	UG/KG	77	77	6/13/2003 11:57	SN	43553	0305424-11
HRDR-02-SB-001-(7.5-8.0)	50-32-8	Benzo[a]pyrene	36	U	UG/KG	36	36	6/13/2003 10:42	SN	43570	0305424-12
OSRC-02-SB-001-(1.5-2.0)	50-32-8	Benzo[a]pyrene	38	U	UG/KG	38	38	6/12/2003 16:16	SN	43366	0305424-01
OSRC-02-SB-001-(11.5-12.0)	50-32-8	Benzo[a]pyrene	40	U	UG/KG	40	40	6/12/2003 14:05	SN	43400	0305424-03
OSRC-02-SB-001-(15.5-16)	50-32-8	Benzo[a]pyrene	40	U	UG/KG	40	40	6/12/2003 14:24	SN	43417	0305424-04
OSRC-02-SB-001-(8.0-8.5)	50-32-8	Benzo[a]pyrene	150	U	UG/KG	150	150	6/12/2003 16:35	SN	43383	0305424-02
SE70-01-SB-001-(1.0-1.5)	50-32-8	Benzo[a]pyrene	42	U	UG/KG	42	42	6/12/2003 14:43	SN	43434	0305424-05
SE70-01-SB-001-(5.5-6.0)	50-32-8	Benzo[a]pyrene	42	U	UG/KG	42	42	6/12/2003 15:01	SN	43451	0305424-06
SE70-01-SB-005-(1.0-1.5)	50-32-8	Benzo[a]pyrene	40	U	UG/KG	40	40	6/12/2003 15:20	SN	43468	0305424-07
B060303MPNSLC	205-99-2	Benzo[b]fluoranthene	33	U	UG/KG	33	33	6/12/2003 13:28	SN	43636	B060303MPNSLC

HRDR-01-SB-001-(10.5-11)DL	205-99-2	Benzo[b]fluoranthene	1500	U	UG/KG	1500	1500	6/13/2003 12:35	SN	43619	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	205-99-2	Benzo[b]fluoranthene	590	U	UG/KG	590	590	6/13/2003 13:12	SN	43602	0305424-14
HRDR-01-SB-001-(13.0-13.5)	205-99-2	Benzo[b]fluoranthene	73	U	UG/KG	73	73	6/13/2003 11:20	SN	43517	0305424-09
HRDR-01-SB-001-(2.5-3.0)	205-99-2	Benzo[b]fluoranthene	150	U	UG/KG	150	150	6/13/2003 11:38	SN	43534	0305424-10
HRDR-01-SB-001-(7.5-8.0)	205-99-2	Benzo[b]fluoranthene	300	U	UG/KG	300	300	6/13/2003 12:54	SN	43483	0305424-08
HRDR-01-SB-001-(7.5-8.0)DL	205-99-2	Benzo[b]fluoranthene	740	U	UG/KG	740	740	6/13/2003 12:16	SN	43500	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	205-99-2	Benzo[b]fluoranthene	36	U	UG/KG	36	36	6/13/2003 11:01	SN	43585	0305424-13
HRDR-02-SB-001-(2.5-3.0)	205-99-2	Benzo[b]fluoranthene	77	U	UG/KG	77	77	6/13/2003 11:57	SN	43551	0305424-11
HRDR-02-SB-001-(7.5-8.0)	205-99-2	Benzo[b]fluoranthene	36	U	UG/KG	36	36	6/13/2003 10:42	SN	43568	0305424-12
OSRC-02-SB-001-(1.5-2.0)	205-99-2	Benzo[b]fluoranthene	38	U	UG/KG	38	38	6/12/2003 16:16	SN	43364	0305424-01
OSRC-02-SB-001-(11.5-12.0)	205-99-2	Benzo[b]fluoranthene	40	U	UG/KG	40	40	6/12/2003 14:05	SN	43398	0305424-03
OSRC-02-SB-001-(15.5-16)	205-99-2	Benzo[b]fluoranthene	40	U	UG/KG	40	40	6/12/2003 14:24	SN	43415	0305424-04
OSRC-02-SB-001-(8.0-8.5)	205-99-2	Benzo[b]fluoranthene	150	U	UG/KG	150	150	6/12/2003 16:35	SN	43381	0305424-02
SE70-01-SB-001-(1.0-1.5)	205-99-2	Benzo[b]fluoranthene	42	U	UG/KG	42	42	6/12/2003 14:43	SN	43432	0305424-05
SE70-01-SB-001-(5.5-6.0)	205-99-2	Benzo[b]fluoranthene	42	U	UG/KG	42	42	6/12/2003 15:01	SN	43449	0305424-06
SE70-01-SB-005-(1.0-1.5)	205-99-2	Benzo[b]fluoranthene	40	U	UG/KG	40	40	6/12/2003 15:20	SN	43466	0305424-07
B060303MPNSLC	191-24-2	Benzo[g,h,I]perylene	33	U	UG/KG	33	33	6/12/2003 13:28	SN	43641	B060303MPNSLC
HRDR-01-SB-001-(10.5-11)DL	191-24-2	Benzo[g,h,I]perylene	1500	U	UG/KG	1500	1500	6/13/2003 12:35	SN	43624	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	191-24-2	Benzo[g,h,I]perylene	590	U	UG/KG	590	590	6/13/2003 13:12	SN	43607	0305424-14
HRDR-01-SB-001-(13.0-13.5)	191-24-2	Benzo[g,h,I]perylene	73	U	UG/KG	73	73	6/13/2003 11:20	SN	43522	0305424-09
HRDR-01-SB-001-(2.5-3.0)	191-24-2	Benzo[g,h,I]perylene	150	U	UG/KG	150	150	6/13/2003 11:38	SN	43539	0305424-10
HRDR-01-SB-001-(7.5-8.0)	191-24-2	Benzo[g,h,I]perylene	300	U	UG/KG	300	300	6/13/2003 12:54	SN	43488	0305424-08
HRDR-01-SB-001-(7.5-8.0)DL	191-24-2	Benzo[g,h,I]perylene	740	U	UG/KG	740	740	6/13/2003 12:16	SN	43505	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	191-24-2	Benzo[g,h,I]perylene	36	U	UG/KG	36	36	6/13/2003 11:01	SN	43590	0305424-13
HRDR-02-SB-001-(2.5-3.0)	191-24-2	Benzo[g,h,I]perylene	77	U	UG/KG	77	77	6/13/2003 11:57	SN	43556	0305424-11
HRDR-02-SB-001-(7.5-8.0)	191-24-2	Benzo[g,h,I]perylene	36	U	UG/KG	36	36	6/13/2003 10:42	SN	43573	0305424-12
OSRC-02-SB-001-(1.5-2.0)	191-24-2	Benzo[g,h,I]perylene	38	U	UG/KG	38	38	6/12/2003 16:16	SN	43369	0305424-01
OSRC-02-SB-001-(11.5-12.0)	191-24-2	Benzo[g,h,I]perylene	40	U	UG/KG	40	40	6/12/2003 14:05	SN	43403	0305424-03
OSRC-02-SB-001-(15.5-16)	191-24-2	Benzo[g,h,I]perylene	40	U	UG/KG	40	40	6/12/2003 14:24	SN	43420	0305424-04
OSRC-02-SB-001-(8.0-8.5)	191-24-2	Benzo[g,h,I]perylene	150	U	UG/KG	150	150	6/12/2003 16:35	SN	43386	0305424-02
SE70-01-SB-001-(1.0-1.5)	191-24-2	Benzo[g,h,I]perylene	42	U	UG/KG	42	42	6/12/2003 14:43	SN	43437	0305424-05
SE70-01-SB-001-(5.5-6.0)	191-24-2	Benzo[g,h,I]perylene	42	U	UG/KG	42	42	6/12/2003 15:01	SN	43454	0305424-06
SE70-01-SB-005-(1.0-1.5)	191-24-2	Benzo[g,h,I]perylene	40	U	UG/KG	40	40	6/12/2003 15:20	SN	43471	0305424-07
B060303MPNSLC	207-08-9	Benzo[k]fluoranthene	33	U	UG/KG	33	33	6/12/2003 13:28	SN	43637	B060303MPNSLC
HRDR-01-SB-001-(10.5-11)DL	207-08-9	Benzo[k]fluoranthene	1500	U	UG/KG	1500	1500	6/13/2003 12:35	SN	43620	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	207-08-9	Benzo[k]fluoranthene	590	U	UG/KG	590	590	6/13/2003 13:12	SN	43603	0305424-14
HRDR-01-SB-001-(13.0-13.5)	207-08-9	Benzo[k]fluoranthene	73	U	UG/KG	73	73	6/13/2003 11:20	SN	43518	0305424-09
HRDR-01-SB-001-(2.5-3.0)	207-08-9	Benzo[k]fluoranthene	150	U	UG/KG	150	150	6/13/2003 11:38	SN	43535	0305424-10
HRDR-01-SB-001-(7.5-8.0)	207-08-9	Benzo[k]fluoranthene	300	U	UG/KG	300	300	6/13/2003 12:54	SN	43484	0305424-08
HRDR-01-SB-001-(7.5-8.0)DL	207-08-9	Benzo[k]fluoranthene	740	U	UG/KG	740	740	6/13/2003 12:16	SN	43501	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	207-08-9	Benzo[k]fluoranthene	36	U	UG/KG	36	36	6/13/2003 11:01	SN	43586	0305424-13
HRDR-02-SB-001-(2.5-3.0)	207-08-9	Benzo[k]fluoranthene	77	U	UG/KG	77	77	6/13/2003 11:57	SN	43552	0305424-11
HRDR-02-SB-001-(7.5-8.0)	207-08-9	Benzo[k]fluoranthene	36	U	UG/KG	36	36	6/13/2003 10:42	SN	43569	0305424-12
OSRC-02-SB-001-(1.5-2.0)	207-08-9	Benzo[k]fluoranthene	38	U	UG/KG	38	38	6/12/2003 16:16	SN	43365	0305424-01
OSRC-02-SB-001-(11.5-12.0)	207-08-9	Benzo[k]fluoranthene	40	U	UG/KG	40	40	6/12/2003 14:05	SN	43399	0305424-03
OSRC-02-SB-001-(15.5-16)	207-08-9	Benzo[k]fluoranthene	40	U	UG/KG	40	40	6/12/2003 14:24	SN	43416	0305424-04
OSRC-02-SB-001-(8.0-8.5)	207-08-9	Benzo[k]fluoranthene	150	U	UG/KG	150	150	6/12/2003 16:35	SN	43382	0305424-02
SE70-01-SB-001-(1.0-1.5)	207-08-9	Benzo[k]fluoranthene	42	U	UG/KG	42	42	6/12/2003 14:43	SN	43433	0305424-05
SE70-01-SB-001-(5.5-6.0)	207-08-9	Benzo[k]fluoranthene	42	U	UG/KG	42	42	6/12/2003 15:01	SN	43450	0305424-06
SE70-01-SB-005-(1.0-1.5)	207-08-9	Benzo[k]fluoranthene	40	U	UG/KG	40	40	6/12/2003 15:20	SN	43467	0305424-07
B060303MVOSF1	75-27-4	Bromodichloromethane	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43242	B060303MVOSF1
B060503MVOSF1	75-27-4	Bromodichloromethane	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43326	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	75-27-4	Bromodichloromethane	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43288	0305424-14DL

HRDR-01-SB-001-(10.5-11.0)	75-27-4	Bromodichloromethane	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43204	0305424-14
B060503GVOSK1	460-00-4	Bromofluorobenzene	111		ug/Kg			6/6/2003 6:47	8X	43776	B060503GVOSK1
HRDR-01-SB-001-(13.0-13.5)	460-00-4	Bromofluorobenzene	100		ug/Kg			6/6/2003 15:49	8X	43771	0305424-09
HRDR-01-SB-001-(2.5-3.0)	460-00-4	Bromofluorobenzene	101		ug/Kg			6/6/2003 16:28	8X	43772	0305424-10
HRDR-01-SB-001-(7.5-8.0)	460-00-4	Bromofluorobenzene	130	*	ug/Kg			6/6/2003 11:57	8X	43770	0305424-08
HRDR-02-SB-001-(10.0-10.5)	460-00-4	Bromofluorobenzene	94		ug/Kg			6/6/2003 18:24	8X	43775	0305424-13
HRDR-02-SB-001-(2.5-3.0)	460-00-4	Bromofluorobenzene	95		ug/Kg			6/6/2003 17:07	8X	43773	0305424-11
HRDR-02-SB-001-(7.5-8.0)	460-00-4	Bromofluorobenzene	100		ug/Kg			6/6/2003 17:46	8X	43774	0305424-12
OSRC-02-SB-001-(1.5-2.0)	460-00-4	Bromofluorobenzene	102		ug/Kg			6/6/2003 8:04	8X	43763	0305424-01
OSRC-02-SB-001-(11.5-12.0)	460-00-4	Bromofluorobenzene	102		ug/Kg			6/6/2003 9:21	8X	43765	0305424-03
OSRC-02-SB-001-(15.5-16)	460-00-4	Bromofluorobenzene	100		ug/Kg			6/6/2003 10:00	8X	43766	0305424-04
OSRC-02-SB-001-(8.0-8.5)	460-00-4	Bromofluorobenzene	98		ug/Kg			6/6/2003 8:43	8X	43764	0305424-02
SE70-01-SB-001-(1.0-1.5)	460-00-4	Bromofluorobenzene	101		ug/Kg			6/6/2003 10:39	8X	43767	0305424-05
SE70-01-SB-001-(5.5-6.0)	460-00-4	Bromofluorobenzene	102		ug/Kg			6/6/2003 11:18	8X	43768	0305424-06
SE70-01-SB-005-(1.0-1.5)	460-00-4	Bromofluorobenzene	100		ug/Kg			6/6/2003 13:53	8X	43769	0305424-07
B060303MVOSF1	75-25-2	Bromoform	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43259	B060303MVOSF1
B060503MVOSF1	75-25-2	Bromoform	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43343	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	75-25-2	Bromoform	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43305	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	75-25-2	Bromoform	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43221	0305424-14
B060303MVOSF1	74-83-9	Bromomethane	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43225	B060303MVOSF1
B060503MVOSF1	74-83-9	Bromomethane	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43309	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	74-83-9	Bromomethane	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43271	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	74-83-9	Bromomethane	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43187	0305424-14
B060303MVOSF1	75-15-0	Carbon disulfide	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43229	B060303MVOSF1
B060503MVOSF1	75-15-0	Carbon disulfide	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43313	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	75-15-0	Carbon disulfide	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43275	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	75-15-0	Carbon disulfide	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43191	0305424-14
B060303MVOSF1	56-23-5	Carbon tetrachloride	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43237	B060303MVOSF1
B060503MVOSF1	56-23-5	Carbon tetrachloride	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43321	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	56-23-5	Carbon tetrachloride	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43283	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	56-23-5	Carbon tetrachloride	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43199	0305424-14
B060303MVOSF1	108-90-7	Chlorobenzene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43254	B060303MVOSF1
B060503MVOSF1	108-90-7	Chlorobenzene	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43338	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	108-90-7	Chlorobenzene	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43300	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	108-90-7	Chlorobenzene	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43216	0305424-14
B060303MVOSF1	75-00-3	Chloroethane	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43226	B060303MVOSF1
B060503MVOSF1	75-00-3	Chloroethane	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43310	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	75-00-3	Chloroethane	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43272	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	75-00-3	Chloroethane	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43188	0305424-14
B060303MVOSF1	67-66-3	Chloroform	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43235	B060303MVOSF1
B060503MVOSF1	67-66-3	Chloroform	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43319	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	67-66-3	Chloroform	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43281	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	67-66-3	Chloroform	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43197	0305424-14
B060303MVOSF1	74-87-3	Chloromethane	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43223	B060303MVOSF1
B060503MVOSF1	74-87-3	Chloromethane	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43307	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	74-87-3	Chloromethane	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43269	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	74-87-3	Chloromethane	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43185	0305424-14
B060303MPNSLC	218-01-9	Chrysene	33	U	UG/KG	33	33	6/12/2003 13:28	SN	43635	B060303MPNSLC
HRDR-01-SB-001-(10.5-11)DL	218-01-9	Chrysene	1500	U	UG/KG	1500	1500	6/13/2003 12:35	SN	43618	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	218-01-9	Chrysene	590	U	UG/KG	590	590	6/13/2003 13:12	SN	43601	0305424-14
HRDR-01-SB-001-(13.0-13.5)	218-01-9	Chrysene	73	U	UG/KG	73	73	6/13/2003 11:20	SN	43516	0305424-09
HRDR-01-SB-001-(2.5-3.0)	218-01-9	Chrysene	150	U	UG/KG	150	150	6/13/2003 11:38	SN	43533	0305424-10
HRDR-01-SB-001-(7.5-8.0)	218-01-9	Chrysene	300	U	UG/KG	300	300	6/13/2003 12:54	SN	43482	0305424-08

HRDR-01-SB-001-(7.5-8.0)DL	218-01-9	Chrysene	740	U	UG/KG	740	740	6/13/2003 12:16	SN	43499	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	218-01-9	Chrysene	36	U	UG/KG	36	36	6/13/2003 11:01	SN	43584	0305424-13
HRDR-02-SB-001-(2.5-3.0)	218-01-9	Chrysene	77	U	UG/KG	77	77	6/13/2003 11:57	SN	43550	0305424-11
HRDR-02-SB-001-(7.5-8.0)	218-01-9	Chrysene	36	U	UG/KG	36	36	6/13/2003 10:42	SN	43567	0305424-12
OSRC-02-SB-001-(1.5-2.0)	218-01-9	Chrysene	38	U	UG/KG	38	38	6/12/2003 16:16	SN	43363	0305424-01
OSRC-02-SB-001-(11.5-12.0)	218-01-9	Chrysene	40	U	UG/KG	40	40	6/12/2003 14:05	SN	43397	0305424-03
OSRC-02-SB-001-(15.5-16)	218-01-9	Chrysene	40	U	UG/KG	40	40	6/12/2003 14:24	SN	43414	0305424-04
OSRC-02-SB-001-(8.0-8.5)	218-01-9	Chrysene	150	U	UG/KG	150	150	6/12/2003 16:35	SN	43380	0305424-02
SE70-01-SB-001-(1.0-1.5)	218-01-9	Chrysene	42	U	UG/KG	42	42	6/12/2003 14:43	SN	43431	0305424-05
SE70-01-SB-001-(5.5-6.0)	218-01-9	Chrysene	42	U	UG/KG	42	42	6/12/2003 15:01	SN	43448	0305424-06
SE70-01-SB-005-(1.0-1.5)	218-01-9	Chrysene	40	U	UG/KG	40	40	6/12/2003 15:20	SN	43465	0305424-07
B060303MVOSF1	156-59-2	cis-1,2-Dichloroethene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43233	B060303MVOSF1
B060503MVOSF1	156-59-2	cis-1,2-Dichloroethene	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43317	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	156-59-2	cis-1,2-Dichloroethene	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43279	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	156-59-2	cis-1,2-Dichloroethene	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43195	0305424-14
B060303MVOSF1	10061-01-5	cis-1,3-Dichloropropene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43243	B060303MVOSF1
B060503MVOSF1	10061-01-5	cis-1,3-Dichloropropene	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43327	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	10061-01-5	cis-1,3-Dichloropropene	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43289	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	10061-01-5	cis-1,3-Dichloropropene	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43205	0305424-14
B060303MPNSLC	53-70-3	Dibenzo[a,h]anthracene	33	U	UG/KG	33	33	6/12/2003 13:28	SN	43640	B060303MPNSLC
HRDR-01-SB-001-(10.5-11)DL	53-70-3	Dibenzo[a,h]anthracene	1500	U	UG/KG	1500	1500	6/13/2003 12:35	SN	43623	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	53-70-3	Dibenzo[a,h]anthracene	590	U	UG/KG	590	590	6/13/2003 13:12	SN	43606	0305424-14
HRDR-01-SB-001-(13.0-13.5)	53-70-3	Dibenzo[a,h]anthracene	73	U	UG/KG	73	73	6/13/2003 11:20	SN	43521	0305424-09
HRDR-01-SB-001-(2.5-3.0)	53-70-3	Dibenzo[a,h]anthracene	150	U	UG/KG	150	150	6/13/2003 11:38	SN	43538	0305424-10
HRDR-01-SB-001-(7.5-8.0)	53-70-3	Dibenzo[a,h]anthracene	300	U	UG/KG	300	300	6/13/2003 12:54	SN	43487	0305424-08
HRDR-01-SB-001-(7.5-8.0)DL	53-70-3	Dibenzo[a,h]anthracene	740	U	UG/KG	740	740	6/13/2003 12:16	SN	43504	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	53-70-3	Dibenzo[a,h]anthracene	36	U	UG/KG	36	36	6/13/2003 11:01	SN	43589	0305424-13
HRDR-02-SB-001-(2.5-3.0)	53-70-3	Dibenzo[a,h]anthracene	77	U	UG/KG	77	77	6/13/2003 11:57	SN	43555	0305424-11
HRDR-02-SB-001-(7.5-8.0)	53-70-3	Dibenzo[a,h]anthracene	36	U	UG/KG	36	36	6/13/2003 10:42	SN	43572	0305424-12
OSRC-02-SB-001-(1.5-2.0)	53-70-3	Dibenzo[a,h]anthracene	38	U	UG/KG	38	38	6/12/2003 16:16	SN	43368	0305424-01
OSRC-02-SB-001-(11.5-12.0)	53-70-3	Dibenzo[a,h]anthracene	40	U	UG/KG	40	40	6/12/2003 14:05	SN	43402	0305424-03
OSRC-02-SB-001-(15.5-16)	53-70-3	Dibenzo[a,h]anthracene	40	U	UG/KG	40	40	6/12/2003 14:24	SN	43419	0305424-04
OSRC-02-SB-001-(8.0-8.5)	53-70-3	Dibenzo[a,h]anthracene	150	U	UG/KG	150	150	6/12/2003 16:35	SN	43385	0305424-02
SE70-01-SB-001-(1.0-1.5)	53-70-3	Dibenzo[a,h]anthracene	42	U	UG/KG	42	42	6/12/2003 14:43	SN	43436	0305424-05
SE70-01-SB-001-(5.5-6.0)	53-70-3	Dibenzo[a,h]anthracene	42	U	UG/KG	42	42	6/12/2003 15:01	SN	43453	0305424-06
SE70-01-SB-005-(1.0-1.5)	53-70-3	Dibenzo[a,h]anthracene	40	U	UG/KG	40	40	6/12/2003 15:20	SN	43470	0305424-07
B060303MVOSF1	124-48-1	Dibromochloromethane	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43251	B060303MVOSF1
B060503MVOSF1	124-48-1	Dibromochloromethane	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43336	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	124-48-1	Dibromochloromethane	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43297	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	124-48-1	Dibromochloromethane	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43214	0305424-14
B060303MVOSF1	75-71-8	Dichlorodifluoromethane	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43249	B060303MVOSF1
B060503MVOSF1	75-71-8	Dichlorodifluoromethane	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43333	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	75-71-8	Dichlorodifluoromethane	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43295	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	75-71-8	Dichlorodifluoromethane	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43212	0305424-14
B060503GVOSK1	100-41-4	Ethyl Benzene	40	U	ug/Kg	40	20	6/6/2003 6:47	8X	43760	B060503GVOSK1
HRDR-01-SB-001-(13.0-13.5)	100-41-4	Ethyl Benzene	44	U	ug/Kg	44	22	6/6/2003 15:49	8X	43735	0305424-09
HRDR-01-SB-001-(2.5-3.0)	100-41-4	Ethyl Benzene	44	U	ug/Kg	44	22	6/6/2003 16:28	8X	43740	0305424-10
HRDR-01-SB-001-(7.5-8.0)	100-41-4	Ethyl Benzene	2900		ug/Kg	44	22	6/6/2003 11:57	8X	43730	0305424-08
HRDR-02-SB-001-(10.0-10.5)	100-41-4	Ethyl Benzene	43	U	ug/Kg	43	22	6/6/2003 18:24	8X	43755	0305424-13
HRDR-02-SB-001-(2.5-3.0)	100-41-4	Ethyl Benzene	46	U	ug/Kg	46	23	6/6/2003 17:07	8X	43745	0305424-11
HRDR-02-SB-001-(7.5-8.0)	100-41-4	Ethyl Benzene	43	U	ug/Kg	43	22	6/6/2003 17:46	8X	43750	0305424-12
OSRC-02-SB-001-(1.5-2.0)	100-41-4	Ethyl Benzene	46	U	ug/Kg	46	23	6/6/2003 8:04	8X	43695	0305424-01
OSRC-02-SB-001-(11.5-12.0)	100-41-4	Ethyl Benzene	48	U	ug/Kg	48	24	6/6/2003 9:21	8X	43705	0305424-03

OSRC-02-SB-001-(15.5-16)	100-41-4	Ethyl Benzene	48	U	ug/Kg	48	24	6/6/2003 10:00	8X	43710	0305424-04
OSRC-02-SB-001-(8.0-8.5)	100-41-4	Ethyl Benzene	45	U	ug/Kg	45	23	6/6/2003 8:43	8X	43700	0305424-02
SE70-01-SB-001-(1.0-1.5)	100-41-4	Ethyl Benzene	50	U	ug/Kg	50	25	6/6/2003 10:39	8X	43715	0305424-05
SE70-01-SB-001-(5.5-6.0)	100-41-4	Ethyl Benzene	51	U	ug/Kg	51	25	6/6/2003 11:18	8X	43720	0305424-06
SE70-01-SB-005-(1.0-1.5)	100-41-4	Ethyl Benzene	48	U	ug/Kg	48	24	6/6/2003 13:53	8X	43725	0305424-07
B060303MVOSF1	100-41-4	Ethylbenzene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43255	B060303MVOSF1
B060503MVOSF1	100-41-4	Ethylbenzene	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43339	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	100-41-4	Ethylbenzene	5000		UG/KG	330	330	6/5/2003 17:57	V6	43301	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	100-41-4	Ethylbenzene	3200	E	UG/KG	32	32	6/3/2003 17:33	V6	43217	0305424-14
B060303MPNSLC	206-44-0	Fluoranthene	33	U	UG/KG	33	33	6/12/2003 13:28	SN	43633	B060303MPNSLC
HRDR-01-SB-001-(10.5-11)DL	206-44-0	Fluoranthene	1500	U	UG/KG	1500	1500	6/13/2003 12:35	SN	43616	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	206-44-0	Fluoranthene	590	U	UG/KG	590	590	6/13/2003 13:12	SN	43599	0305424-14
HRDR-01-SB-001-(13.0-13.5)	206-44-0	Fluoranthene	73	U	UG/KG	73	73	6/13/2003 11:20	SN	43514	0305424-09
HRDR-01-SB-001-(2.5-3.0)	206-44-0	Fluoranthene	150	U	UG/KG	150	150	6/13/2003 11:38	SN	43531	0305424-10
HRDR-01-SB-001-(7.5-8.0)	206-44-0	Fluoranthene	390		UG/KG	300	300	6/13/2003 12:54	SN	43480	0305424-08
HRDR-01-SB-001-(7.5-8.0)DL	206-44-0	Fluoranthene	740	U	UG/KG	740	740	6/13/2003 12:16	SN	43497	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	206-44-0	Fluoranthene	36	U	UG/KG	36	36	6/13/2003 11:01	SN	43582	0305424-13
HRDR-02-SB-001-(2.5-3.0)	206-44-0	Fluoranthene	77	U	UG/KG	77	77	6/13/2003 11:57	SN	43548	0305424-11
HRDR-02-SB-001-(7.5-8.0)	206-44-0	Fluoranthene	36	U	UG/KG	36	36	6/13/2003 10:42	SN	43565	0305424-12
OSRC-02-SB-001-(1.5-2.0)	206-44-0	Fluoranthene	38	U	UG/KG	38	38	6/12/2003 16:16	SN	43361	0305424-01
OSRC-02-SB-001-(11.5-12.0)	206-44-0	Fluoranthene	40	U	UG/KG	40	40	6/12/2003 14:05	SN	43395	0305424-03
OSRC-02-SB-001-(15.5-16)	206-44-0	Fluoranthene	40	U	UG/KG	40	40	6/12/2003 14:24	SN	43412	0305424-04
OSRC-02-SB-001-(8.0-8.5)	206-44-0	Fluoranthene	150	U	UG/KG	150	150	6/12/2003 16:35	SN	43378	0305424-02
SE70-01-SB-001-(1.0-1.5)	206-44-0	Fluoranthene	42	U	UG/KG	42	42	6/12/2003 14:43	SN	43429	0305424-05
SE70-01-SB-001-(5.5-6.0)	206-44-0	Fluoranthene	42	U	UG/KG	42	42	6/12/2003 15:01	SN	43446	0305424-06
SE70-01-SB-005-(1.0-1.5)	206-44-0	Fluoranthene	40	U	UG/KG	40	40	6/12/2003 15:20	SN	43463	0305424-07
B060303MPNSLC	86-73-7	Fluorene	33	U	UG/KG	33	33	6/12/2003 13:28	SN	43630	B060303MPNSLC
HRDR-01-SB-001-(10.5-11)DL	86-73-7	Fluorene	3800	D	UG/KG	1500	1500	6/13/2003 12:35	SN	43613	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	86-73-7	Fluorene	2600		UG/KG	590	590	6/13/2003 13:12	SN	43596	0305424-14
HRDR-01-SB-001-(13.0-13.5)	86-73-7	Fluorene	130		UG/KG	73	73	6/13/2003 11:20	SN	43511	0305424-09
HRDR-01-SB-001-(2.5-3.0)	86-73-7	Fluorene	150	U	UG/KG	150	150	6/13/2003 11:38	SN	43528	0305424-10
HRDR-01-SB-001-(7.5-8.0)	86-73-7	Fluorene	4300		UG/KG	300	300	6/13/2003 12:54	SN	43477	0305424-08
HRDR-01-SB-001-(7.5-8.0)DL	86-73-7	Fluorene	5600	D	UG/KG	740	740	6/13/2003 12:16	SN	43494	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	86-73-7	Fluorene	36	U	UG/KG	36	36	6/13/2003 11:01	SN	43579	0305424-13
HRDR-02-SB-001-(2.5-3.0)	86-73-7	Fluorene	77	U	UG/KG	77	77	6/13/2003 11:57	SN	43545	0305424-11
HRDR-02-SB-001-(7.5-8.0)	86-73-7	Fluorene	36	U	UG/KG	36	36	6/13/2003 10:42	SN	43562	0305424-12
OSRC-02-SB-001-(1.5-2.0)	86-73-7	Fluorene	38	U	UG/KG	38	38	6/12/2003 16:16	SN	43358	0305424-01
OSRC-02-SB-001-(11.5-12.0)	86-73-7	Fluorene	40	U	UG/KG	40	40	6/12/2003 14:05	SN	43392	0305424-03
OSRC-02-SB-001-(15.5-16)	86-73-7	Fluorene	40	U	UG/KG	40	40	6/12/2003 14:24	SN	43409	0305424-04
OSRC-02-SB-001-(8.0-8.5)	86-73-7	Fluorene	150	U	UG/KG	150	150	6/12/2003 16:35	SN	43375	0305424-02
SE70-01-SB-001-(1.0-1.5)	86-73-7	Fluorene	42	U	UG/KG	42	42	6/12/2003 14:43	SN	43426	0305424-05
SE70-01-SB-001-(5.5-6.0)	86-73-7	Fluorene	42	U	UG/KG	42	42	6/12/2003 15:01	SN	43443	0305424-06
SE70-01-SB-005-(1.0-1.5)	86-73-7	Fluorene	40	U	UG/KG	40	40	6/12/2003 15:20	SN	43460	0305424-07
B060303MPNSLC	193-39-5	Indeno[1,2,3-cd]pyrene	33	U	UG/KG	33	33	6/12/2003 13:28	SN	43639	B060303MPNSLC
HRDR-01-SB-001-(10.5-11)DL	193-39-5	Indeno[1,2,3-cd]pyrene	1500	U	UG/KG	1500	1500	6/13/2003 12:35	SN	43622	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	193-39-5	Indeno[1,2,3-cd]pyrene	590	U	UG/KG	590	590	6/13/2003 13:12	SN	43605	0305424-14
HRDR-01-SB-001-(13.0-13.5)	193-39-5	Indeno[1,2,3-cd]pyrene	73	U	UG/KG	73	73	6/13/2003 11:20	SN	43520	0305424-09
HRDR-01-SB-001-(2.5-3.0)	193-39-5	Indeno[1,2,3-cd]pyrene	150	U	UG/KG	150	150	6/13/2003 11:38	SN	43537	0305424-10
HRDR-01-SB-001-(7.5-8.0)	193-39-5	Indeno[1,2,3-cd]pyrene	300	U	UG/KG	300	300	6/13/2003 12:54	SN	43486	0305424-08
HRDR-01-SB-001-(7.5-8.0)DL	193-39-5	Indeno[1,2,3-cd]pyrene	740	U	UG/KG	740	740	6/13/2003 12:16	SN	43503	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	193-39-5	Indeno[1,2,3-cd]pyrene	36	U	UG/KG	36	36	6/13/2003 11:01	SN	43588	0305424-13
HRDR-02-SB-001-(2.5-3.0)	193-39-5	Indeno[1,2,3-cd]pyrene	77	U	UG/KG	77	77	6/13/2003 11:57	SN	43554	0305424-11
HRDR-02-SB-001-(7.5-8.0)	193-39-5	Indeno[1,2,3-cd]pyrene	36	U	UG/KG	36	36	6/13/2003 10:42	SN	43571	0305424-12

OSRC-02-SB-001-(1.5-2.0)	193-39-5	Indeno[1,2,3-cd]pyrene	38	U	UG/KG	38	38	6/12/2003	16:16	SN	43367	0305424-01
OSRC-02-SB-001-(11.5-12.0)	193-39-5	Indeno[1,2,3-cd]pyrene	40	U	UG/KG	40	40	6/12/2003	14:05	SN	43401	0305424-03
OSRC-02-SB-001-(15.5-16)	193-39-5	Indeno[1,2,3-cd]pyrene	40	U	UG/KG	40	40	6/12/2003	14:24	SN	43418	0305424-04
OSRC-02-SB-001-(8.0-8.5)	193-39-5	Indeno[1,2,3-cd]pyrene	150	U	UG/KG	150	150	6/12/2003	16:35	SN	43384	0305424-02
SE70-01-SB-001-(1.0-1.5)	193-39-5	Indeno[1,2,3-cd]pyrene	42	U	UG/KG	42	42	6/12/2003	14:43	SN	43435	0305424-05
SE70-01-SB-001-(5.5-6.0)	193-39-5	Indeno[1,2,3-cd]pyrene	42	U	UG/KG	42	42	6/12/2003	15:01	SN	43452	0305424-06
SE70-01-SB-005-(1.0-1.5)	193-39-5	Indeno[1,2,3-cd]pyrene	40	U	UG/KG	40	40	6/12/2003	15:20	SN	43469	0305424-07
B060303MVOSF1	108-38-3	m,p-Xylene	3	U	UG/KG	3	3	6/3/2003	13:52	V6	43256	B060303MVOSF1
B060503GVOSK1	108-38-3	m,p-Xylene	80	U	ug/Kg	80	40	6/6/2003	6:47	8X	43761	B060503GVOSK1
B060503MVOSF1	108-38-3	m,p-Xylene	300	U	UG/KG	300	300	6/5/2003	16:48	V6	43340	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	108-38-3	m,p-Xylene	16000		UG/KG	330	330	6/5/2003	17:57	V6	43302	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	108-38-3	m,p-Xylene	6300	E	UG/KG	32	32	6/3/2003	17:33	V6	43218	0305424-14
HRDR-01-SB-001-(13.0-13.5)	108-38-3	m,p-Xylene	88	U	ug/Kg	88	44	6/6/2003	15:49	8X	43736	0305424-09
HRDR-01-SB-001-(2.5-3.0)	108-38-3	m,p-Xylene	89	U	ug/Kg	89	44	6/6/2003	16:28	8X	43741	0305424-10
HRDR-01-SB-001-(7.5-8.0)	108-38-3	m,p-Xylene	11000		ug/Kg	89	44	6/6/2003	11:57	8X	43731	0305424-08
HRDR-02-SB-001-(10.0-10.5)	108-38-3	m,p-Xylene	86	U	ug/Kg	86	43	6/6/2003	18:24	8X	43756	0305424-13
HRDR-02-SB-001-(2.5-3.0)	108-38-3	m,p-Xylene	92	U	ug/Kg	92	46	6/6/2003	17:07	8X	43746	0305424-11
HRDR-02-SB-001-(7.5-8.0)	108-38-3	m,p-Xylene	86	U	ug/Kg	86	43	6/6/2003	17:46	8X	43751	0305424-12
OSRC-02-SB-001-(1.5-2.0)	108-38-3	m,p-Xylene	92	U	ug/Kg	92	46	6/6/2003	8:04	8X	43696	0305424-01
OSRC-02-SB-001-(11.5-12.0)	108-38-3	m,p-Xylene	96	U	ug/Kg	96	48	6/6/2003	9:21	8X	43706	0305424-03
OSRC-02-SB-001-(15.5-16)	108-38-3	m,p-Xylene	96	U	ug/Kg	96	48	6/6/2003	10:00	8X	43711	0305424-04
OSRC-02-SB-001-(8.0-8.5)	108-38-3	m,p-Xylene	91	U	ug/Kg	91	45	6/6/2003	8:43	8X	43701	0305424-02
SE70-01-SB-001-(1.0-1.5)	108-38-3	m,p-Xylene	100	U	ug/Kg	100	50	6/6/2003	10:39	8X	43716	0305424-05
SE70-01-SB-001-(5.5-6.0)	108-38-3	m,p-Xylene	100	U	ug/Kg	100	51	6/6/2003	11:18	8X	43721	0305424-06
SE70-01-SB-005-(1.0-1.5)	108-38-3	m,p-Xylene	96	U	ug/Kg	96	48	6/6/2003	13:53	8X	43726	0305424-07
B060303MVOSF1	1634-04-4	Methyl tert-butyl ether	3	U	UG/KG	3	3	6/3/2003	13:52	V6	43253	B060303MVOSF1
B060503MVOSF1	1634-04-4	Methyl tert-butyl ether	300	U	UG/KG	300	300	6/5/2003	16:48	V6	43337	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	1634-04-4	Methyl tert-butyl ether	330	U	UG/KG	330	330	6/5/2003	17:57	V6	43299	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	1634-04-4	Methyl tert-butyl ether	32	U	UG/KG	32	32	6/3/2003	17:33	V6	43215	0305424-14
B060303MVOSF1	75-09-2	Methylene chloride	3	U	UG/KG	3	3	6/3/2003	13:52	V6	43230	B060303MVOSF1
B060503MVOSF1	75-09-2	Methylene chloride	300	U	UG/KG	300	300	6/5/2003	16:48	V6	43314	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	75-09-2	Methylene chloride	330	U	UG/KG	330	330	6/5/2003	17:57	V6	43276	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	75-09-2	Methylene chloride	32	U	UG/KG	32	32	6/3/2003	17:33	V6	43192	0305424-14
B060303MPNSLC	91-20-3	Naphthalene	33	U	UG/KG	33	33	6/12/2003	13:28	SN	43626	B060303MPNSLC
HRDR-01-SB-001-(10.5-11)DL	91-20-3	Naphthalene	27000	D	UG/KG	1500	1500	6/13/2003	12:35	SN	43609	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	91-20-3	Naphthalene	25000		UG/KG	590	590	6/13/2003	13:12	SN	43592	0305424-14
HRDR-01-SB-001-(13.0-13.5)	91-20-3	Naphthalene	190		UG/KG	73	73	6/13/2003	11:20	SN	43507	0305424-09
HRDR-01-SB-001-(2.5-3.0)	91-20-3	Naphthalene	150	U	UG/KG	150	150	6/13/2003	11:38	SN	43524	0305424-10
HRDR-01-SB-001-(7.5-8.0)	91-20-3	Naphthalene	4700		UG/KG	300	300	6/13/2003	12:54	SN	43473	0305424-08
HRDR-01-SB-001-(7.5-8.0)DL	91-20-3	Naphthalene	5000	D	UG/KG	740	740	6/13/2003	12:16	SN	43490	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	91-20-3	Naphthalene	36	U	UG/KG	36	36	6/13/2003	11:01	SN	43575	0305424-13
HRDR-02-SB-001-(2.5-3.0)	91-20-3	Naphthalene	77	U	UG/KG	77	77	6/13/2003	11:57	SN	43541	0305424-11
HRDR-02-SB-001-(7.5-8.0)	91-20-3	Naphthalene	36	U	UG/KG	36	36	6/13/2003	10:42	SN	43558	0305424-12
OSRC-02-SB-001-(1.5-2.0)	91-20-3	Naphthalene	38	U	UG/KG	38	38	6/12/2003	16:16	SN	43354	0305424-01
OSRC-02-SB-001-(11.5-12.0)	91-20-3	Naphthalene	40	U	UG/KG	40	40	6/12/2003	14:05	SN	43388	0305424-03
OSRC-02-SB-001-(15.5-16)	91-20-3	Naphthalene	40	U	UG/KG	40	40	6/12/2003	14:24	SN	43405	0305424-04
OSRC-02-SB-001-(8.0-8.5)	91-20-3	Naphthalene	150	U	UG/KG	150	150	6/12/2003	16:35	SN	43371	0305424-02
SE70-01-SB-001-(1.0-1.5)	91-20-3	Naphthalene	42	U	UG/KG	42	42	6/12/2003	14:43	SN	43422	0305424-05
SE70-01-SB-001-(5.5-6.0)	91-20-3	Naphthalene	42	U	UG/KG	42	42	6/12/2003	15:01	SN	43439	0305424-06
SE70-01-SB-005-(1.0-1.5)	91-20-3	Naphthalene	40	U	UG/KG	40	40	6/12/2003	15:20	SN	43456	0305424-07
B060303MVOSF1	95-47-6	o-Xylene	3	U	UG/KG	3	3	6/3/2003	13:52	V6	43257	B060303MVOSF1
B060503GVOSK1	95-47-6	o-Xylene	40	U	ug/Kg	40	20	6/6/2003	6:47	8X	43762	B060503GVOSK1
B060503MVOSF1	95-47-6	o-Xylene	300	U	UG/KG	300	300	6/5/2003	16:48	V6	43341	B060503MVOSF1

HRDR-01-SB-001-(10.5-11)DL	95-47-6	o-Xylene	9400	UG/KG	330	330	6/5/2003 17:57	V6	43303	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	95-47-6	o-Xylene	4900 E	UG/KG	32	32	6/3/2003 17:33	V6	43219	0305424-14
HRDR-01-SB-001-(13.0-13.5)	95-47-6	o-Xylene	44 U	ug/Kg	44	22	6/6/2003 15:49	8X	43737	0305424-09
HRDR-01-SB-001-(2.5-3.0)	95-47-6	o-Xylene	44 U	ug/Kg	44	22	6/6/2003 16:28	8X	43742	0305424-10
HRDR-01-SB-001-(7.5-8.0)	95-47-6	o-Xylene	6900	ug/Kg	44	22	6/6/2003 11:57	8X	43732	0305424-08
HRDR-02-SB-001-(10.0-10.5)	95-47-6	o-Xylene	43 U	ug/Kg	43	22	6/6/2003 18:24	8X	43757	0305424-13
HRDR-02-SB-001-(2.5-3.0)	95-47-6	o-Xylene	46 U	ug/Kg	46	23	6/6/2003 17:07	8X	43747	0305424-11
HRDR-02-SB-001-(7.5-8.0)	95-47-6	o-Xylene	43 U	ug/Kg	43	22	6/6/2003 17:46	8X	43752	0305424-12
OSRC-02-SB-001-(1.5-2.0)	95-47-6	o-Xylene	46 U	ug/Kg	46	23	6/6/2003 8:04	8X	43697	0305424-01
OSRC-02-SB-001-(11.5-12.0)	95-47-6	o-Xylene	48 U	ug/Kg	48	24	6/6/2003 9:21	8X	43707	0305424-03
OSRC-02-SB-001-(15.5-16)	95-47-6	o-Xylene	48 U	ug/Kg	48	24	6/6/2003 10:00	8X	43712	0305424-04
OSRC-02-SB-001-(8.0-8.5)	95-47-6	o-Xylene	45 U	ug/Kg	45	23	6/6/2003 8:43	8X	43702	0305424-02
SE70-01-SB-001-(1.0-1.5)	95-47-6	o-Xylene	50 U	ug/Kg	50	25	6/6/2003 10:39	8X	43717	0305424-05
SE70-01-SB-001-(5.5-6.0)	95-47-6	o-Xylene	51 U	ug/Kg	51	25	6/6/2003 11:18	8X	43722	0305424-06
SE70-01-SB-005-(1.0-1.5)	95-47-6	o-Xylene	48 U	ug/Kg	48	24	6/6/2003 13:53	8X	43727	0305424-07
B060303MPNSLC	85-01-8	Phenanthrene	33 U	UG/KG	33	33	6/12/2003 13:28	SN	43631	B060303MPNSLC
HRDR-01-SB-001-(10.5-11)DL	85-01-8	Phenanthrene	27000 D	UG/KG	1500	1500	6/13/2003 12:35	SN	43614	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	85-01-8	Phenanthrene	23000	UG/KG	590	590	6/13/2003 13:12	SN	43597	0305424-14
HRDR-01-SB-001-(13.0-13.5)	85-01-8	Phenanthrene	750	UG/KG	73	73	6/13/2003 11:20	SN	43512	0305424-09
HRDR-01-SB-001-(2.5-3.0)	85-01-8	Phenanthrene	150 U	UG/KG	150	150	6/13/2003 11:38	SN	43529	0305424-10
HRDR-01-SB-001-(7.5-8.0)	85-01-8	Phenanthrene	18000	UG/KG	300	300	6/13/2003 12:54	SN	43478	0305424-08
HRDR-01-SB-001-(7.5-8.0)DL	85-01-8	Phenanthrene	22000 D	UG/KG	740	740	6/13/2003 12:16	SN	43495	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	85-01-8	Phenanthrene	36 U	UG/KG	36	36	6/13/2003 11:01	SN	43580	0305424-13
HRDR-02-SB-001-(2.5-3.0)	85-01-8	Phenanthrene	77 U	UG/KG	77	77	6/13/2003 11:57	SN	43546	0305424-11
HRDR-02-SB-001-(7.5-8.0)	85-01-8	Phenanthrene	36 U	UG/KG	36	36	6/13/2003 10:42	SN	43563	0305424-12
OSRC-02-SB-001-(1.5-2.0)	85-01-8	Phenanthrene	38 U	UG/KG	38	38	6/12/2003 16:16	SN	43359	0305424-01
OSRC-02-SB-001-(11.5-12.0)	85-01-8	Phenanthrene	40 U	UG/KG	40	40	6/12/2003 14:05	SN	43393	0305424-03
OSRC-02-SB-001-(15.5-16)	85-01-8	Phenanthrene	40 U	UG/KG	40	40	6/12/2003 14:24	SN	43410	0305424-04
OSRC-02-SB-001-(8.0-8.5)	85-01-8	Phenanthrene	150 U	UG/KG	150	150	6/12/2003 16:35	SN	43376	0305424-02
SE70-01-SB-001-(1.0-1.5)	85-01-8	Phenanthrene	42 U	UG/KG	42	42	6/12/2003 14:43	SN	43427	0305424-05
SE70-01-SB-001-(5.5-6.0)	85-01-8	Phenanthrene	42 U	UG/KG	42	42	6/12/2003 15:01	SN	43444	0305424-06
SE70-01-SB-005-(1.0-1.5)	85-01-8	Phenanthrene	40 U	UG/KG	40	40	6/12/2003 15:20	SN	43461	0305424-07
B060303MPNSLC	129-00-0	Pyrene	33 U	UG/KG	33	33	6/12/2003 13:28	SN	43625	B060303MPNSLC
HRDR-01-SB-001-(10.5-11)DL	129-00-0	Pyrene	1500 U	UG/KG	1500	1500	6/13/2003 12:35	SN	43608	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	129-00-0	Pyrene	390 J	UG/KG	590	590	6/13/2003 13:12	SN	43591	0305424-14
HRDR-01-SB-001-(13.0-13.5)	129-00-0	Pyrene	73 U	UG/KG	73	73	6/13/2003 11:20	SN	43506	0305424-09
HRDR-01-SB-001-(2.5-3.0)	129-00-0	Pyrene	150 U	UG/KG	150	150	6/13/2003 11:38	SN	43523	0305424-10
HRDR-01-SB-001-(7.5-8.0)	129-00-0	Pyrene	820	UG/KG	300	300	6/13/2003 12:54	SN	43472	0305424-08
HRDR-01-SB-001-(7.5-8.0)DL	129-00-0	Pyrene	610 JD	UG/KG	740	740	6/13/2003 12:16	SN	43489	0305424-08DL
HRDR-02-SB-001-(10.0-10.5)	129-00-0	Pyrene	36 U	UG/KG	36	36	6/13/2003 11:01	SN	43574	0305424-13
HRDR-02-SB-001-(2.5-3.0)	129-00-0	Pyrene	77 U	UG/KG	77	77	6/13/2003 11:57	SN	43540	0305424-11
HRDR-02-SB-001-(7.5-8.0)	129-00-0	Pyrene	36 U	UG/KG	36	36	6/13/2003 10:42	SN	43557	0305424-12
OSRC-02-SB-001-(1.5-2.0)	129-00-0	Pyrene	38 U	UG/KG	38	38	6/12/2003 16:16	SN	43353	0305424-01
OSRC-02-SB-001-(11.5-12.0)	129-00-0	Pyrene	40 U	UG/KG	40	40	6/12/2003 14:05	SN	43387	0305424-03
OSRC-02-SB-001-(15.5-16)	129-00-0	Pyrene	40 U	UG/KG	40	40	6/12/2003 14:24	SN	43404	0305424-04
OSRC-02-SB-001-(8.0-8.5)	129-00-0	Pyrene	150 U	UG/KG	150	150	6/12/2003 16:35	SN	43370	0305424-02
SE70-01-SB-001-(1.0-1.5)	129-00-0	Pyrene	42 U	UG/KG	42	42	6/12/2003 14:43	SN	43421	0305424-05
SE70-01-SB-001-(5.5-6.0)	129-00-0	Pyrene	42 U	UG/KG	42	42	6/12/2003 15:01	SN	43438	0305424-06
SE70-01-SB-005-(1.0-1.5)	129-00-0	Pyrene	40 U	UG/KG	40	40	6/12/2003 15:20	SN	43455	0305424-07
B060303MVOSF1	100-42-5	Styrene	3 U	UG/KG	3	3	6/3/2003 13:52	V6	43258	B060303MVOSF1
B060503MVOSF1	100-42-5	Styrene	300 U	UG/KG	300	300	6/5/2003 16:48	V6	43342	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	100-42-5	Styrene	330 U	UG/KG	330	330	6/5/2003 17:57	V6	43304	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	100-42-5	Styrene	32 U	UG/KG	32	32	6/3/2003 17:33	V6	43220	0305424-14

B060303MVOSF1	127-18-4	Tetrachloroethene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43248	B060303MVOSF1
B060503MVOSF1	127-18-4	Tetrachloroethene	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43332	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	127-18-4	Tetrachloroethene	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43294	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	127-18-4	Tetrachloroethene	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43210	0305424-14
B060303MVOSF1	108-88-3	Toluene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43245	B060303MVOSF1
B060503GVOSK1	108-88-3	Toluene	60	U	ug/Kg	60	30	6/6/2003 6:47	8X	43759	B060503GVOSK1
B060503MVOSF1	108-88-3	Toluene	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43329	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	108-88-3	Toluene	510		UG/KG	330	330	6/5/2003 17:57	V6	43291	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	108-88-3	Toluene	490		UG/KG	32	32	6/3/2003 17:33	V6	43207	0305424-14
HRDR-01-SB-001-(13.0-13.5)	108-88-3	Toluene	66	U	ug/Kg	66	33	6/6/2003 15:49	8X	43734	0305424-09
HRDR-01-SB-001-(2.5-3.0)	108-88-3	Toluene	67	U	ug/Kg	67	33	6/6/2003 16:28	8X	43739	0305424-10
HRDR-01-SB-001-(7.5-8.0)	108-88-3	Toluene	170	P	ug/Kg	67	33	6/6/2003 11:57	8X	43729	0305424-08
HRDR-02-SB-001-(10.0-10.5)	108-88-3	Toluene	65	U	ug/Kg	65	32	6/6/2003 18:24	8X	43754	0305424-13
HRDR-02-SB-001-(2.5-3.0)	108-88-3	Toluene	69	U	ug/Kg	69	34	6/6/2003 17:07	8X	43744	0305424-11
HRDR-02-SB-001-(7.5-8.0)	108-88-3	Toluene	65	U	ug/Kg	65	32	6/6/2003 17:46	8X	43749	0305424-12
OSRC-02-SB-001-(1.5-2.0)	108-88-3	Toluene	69	U	ug/Kg	69	34	6/6/2003 8:04	8X	43694	0305424-01
OSRC-02-SB-001-(11.5-12.0)	108-88-3	Toluene	72	U	ug/Kg	72	36	6/6/2003 9:21	8X	43704	0305424-03
OSRC-02-SB-001-(15.5-16)	108-88-3	Toluene	72	U	ug/Kg	72	36	6/6/2003 10:00	8X	43709	0305424-04
OSRC-02-SB-001-(8.0-8.5)	108-88-3	Toluene	68	U	ug/Kg	68	34	6/6/2003 8:43	8X	43699	0305424-02
SE70-01-SB-001-(1.0-1.5)	108-88-3	Toluene	75	U	ug/Kg	75	38	6/6/2003 10:39	8X	43714	0305424-05
SE70-01-SB-001-(5.5-6.0)	108-88-3	Toluene	76	U	ug/Kg	76	38	6/6/2003 11:18	8X	43719	0305424-06
SE70-01-SB-005-(1.0-1.5)	108-88-3	Toluene	72	U	ug/Kg	72	36	6/6/2003 13:53	8X	43724	0305424-07
B060303MVOSF1	156-60-5	trans-1,2-Dichloroethene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43231	B060303MVOSF1
B060503MVOSF1	156-60-5	trans-1,2-Dichloroethene	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43315	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	156-60-5	trans-1,2-Dichloroethene	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43277	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	156-60-5	trans-1,2-Dichloroethene	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43193	0305424-14
B060303MVOSF1	10061-02-6	trans-1,3-Dichloropropene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43246	B060303MVOSF1
B060503MVOSF1	10061-02-6	trans-1,3-Dichloropropene	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43330	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	10061-02-6	trans-1,3-Dichloropropene	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43292	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	10061-02-6	trans-1,3-Dichloropropene	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43208	0305424-14
B060303MVOSF1	79-01-6	Trichloroethene	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43240	B060303MVOSF1
B060503MVOSF1	79-01-6	Trichloroethene	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43324	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	79-01-6	Trichloroethene	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43286	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	79-01-6	Trichloroethene	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43202	0305424-14
B060303MVOSF1	75-69-4	Trichlorofluoromethane	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43252	B060303MVOSF1
B060503MVOSF1	75-69-4	Trichlorofluoromethane	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43335	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	75-69-4	Trichlorofluoromethane	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43298	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	75-69-4	Trichlorofluoromethane	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43213	0305424-14
B060303MVOSF1	75-01-4	Vinyl chloride	3	U	UG/KG	3	3	6/3/2003 13:52	V6	43224	B060303MVOSF1
B060503MVOSF1	75-01-4	Vinyl chloride	300	U	UG/KG	300	300	6/5/2003 16:48	V6	43308	B060503MVOSF1
HRDR-01-SB-001-(10.5-11)DL	75-01-4	Vinyl chloride	330	U	UG/KG	330	330	6/5/2003 17:57	V6	43270	0305424-14DL
HRDR-01-SB-001-(10.5-11.0)	75-01-4	Vinyl chloride	32	U	UG/KG	32	32	6/3/2003 17:33	V6	43186	0305424-14

fs_Sample_ID_Client	fs_CAS_Number	fs_Analyte	ff_Result	fs_Flag	fs_Units	ff_PQL	ff_SDL	ft_Date_Analysis	fs_Fraction	bwk_Resul	fs_Sample_ID_Lab
B060303GSVSLG	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/11/2003 8:00	T8	42929	B060303GSVSLG
OSRC-02-SB-002-(10.5-11.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/11/2003 10:30	T8	42941	0305423-02
OSRC-02-SB-002-(15.5-16.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/11/2003 8:38	T8	42933	0305423-03
OSRC-02-SB-002-(4.0-4.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/11/2003 9:53	T8	42937	0305423-01
OSRC-02-SB-003-(1.0-1.5)	68334-30-5	Diesel Range Organics (C12-C24)	25		mg/Kg	11	11	6/11/2003 11:08	T8	42945	0305423-04
OSRC-02-SB-003-(11.5-12.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/11/2003 18:02	T8	42973	0305423-11
OSRC-02-SB-003-(14.5-15.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/11/2003 12:23	T8	42953	0305423-06
OSRC-02-SB-003-(5.0-5.5)	68334-30-5	Diesel Range Organics (C12-C24)	14		mg/Kg	12	12	6/11/2003 11:46	T8	42949	0305423-05
OSRC-02-SB-004-(11.5-12.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/11/2003 16:09	T8	42961	0305423-08
OSRC-02-SB-004-(14.5-15.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/11/2003 16:46	T8	42965	0305423-09
OSRC-02-SB-004-(5.0-5.5)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/11/2003 15:31	T8	42957	0305423-07
OSRC-02-SB-103-(14.5-15.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/11/2003 17:24	T8	42969	0305423-10
SE70-01-SB-002-(1.0-1.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/11/2003 18:39	T8	42977	0305423-12
SE70-01-SB-002-(5.0-5.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/12/2003 10:41	T8	43001	0305423-13
SE70-01-SB-002-(9.5-10.0)	68334-30-5	Diesel Range Organics (C12-C24)	13	U	mg/Kg	13	13	6/12/2003 11:19	T8	43005	0305423-14
SE70-01-SB-003-(1.0-1.5)DL	68334-30-5	Diesel Range Organics (C12-C24)	9100	D	mg/Kg	620	620	6/12/2003 8:11	T8	42991	0305423-15DL
SE70-01-SB-003-(3.5-4.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	520	D	mg/Kg	60	60	6/12/2003 8:49	T8	42992	0305423-16DL
SE70-01-SB-003-(6.0-6.5)	68334-30-5	Diesel Range Organics (C12-C24)	13	U	mg/Kg	13	13	6/11/2003 23:40	T8	42984	0305423-17
SE70-01-SB-004-(0.5-1.0)	68334-30-5	Diesel Range Organics (C12-C24)	3900	D	mg/Kg	240	240	6/12/2003 9:26	T8	42993	0305423-18
SE70-01-SB-004-(3.0-3.5)	68334-30-5	Diesel Range Organics (C12-C24)	21000	D	mg/Kg	1300	1300	6/12/2003 10:04	T8	42997	0305423-19
SE70-01-SB-005-(2.5-3.0)	68334-30-5	Diesel Range Organics (C12-C24)	13	U	mg/Kg	13	13	6/12/2003 11:57	T8	43009	0305423-20
B060303GSVSLG	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/11/2003 8:00	T8	42930	B060303GSVSLG
OSRC-02-SB-002-(10.5-11.0)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/11/2003 10:30	T8	42942	0305423-02
OSRC-02-SB-002-(15.5-16.0)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/11/2003 8:38	T8	42934	0305423-03
OSRC-02-SB-002-(4.0-4.5)	IT15-49-4	Oil Range Organics (C24-C40)	61		mg/Kg	47	47	6/11/2003 9:53	T8	42938	0305423-01
OSRC-02-SB-003-(1.0-1.5)	IT15-49-4	Oil Range Organics (C24-C40)	45	U	mg/Kg	45	45	6/11/2003 11:08	T8	42946	0305423-04
OSRC-02-SB-003-(11.5-12.0)	IT15-49-4	Oil Range Organics (C24-C40)	47	U	mg/Kg	47	47	6/11/2003 18:02	T8	42974	0305423-11
OSRC-02-SB-003-(14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/11/2003 12:23	T8	42954	0305423-06
OSRC-02-SB-003-(5.0-5.5)	IT15-49-4	Oil Range Organics (C24-C40)	47	U	mg/Kg	47	47	6/11/2003 11:46	T8	42950	0305423-05
OSRC-02-SB-004-(11.5-12.0)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/11/2003 16:09	T8	42962	0305423-08
OSRC-02-SB-004-(14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/11/2003 16:46	T8	42966	0305423-09
OSRC-02-SB-004-(5.0-5.5)	IT15-49-4	Oil Range Organics (C24-C40)	45	U	mg/Kg	45	45	6/11/2003 15:31	T8	42958	0305423-07
OSRC-02-SB-103-(14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/11/2003 17:24	T8	42970	0305423-10
SE70-01-SB-002-(1.0-1.5)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/11/2003 18:39	T8	42978	0305423-12
SE70-01-SB-002-(5.0-5.5)	IT15-49-4	Oil Range Organics (C24-C40)	210		mg/Kg	49	49	6/12/2003 10:41	T8	43002	0305423-13
SE70-01-SB-002-(9.5-10.0)	IT15-49-4	Oil Range Organics (C24-C40)	130		mg/Kg	52	52	6/12/2003 11:19	T8	43006	0305423-14
SE70-01-SB-003-(1.0-1.5)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/12/2003 2:11	T8	42988	0305423-15
SE70-01-SB-003-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/11/2003 23:02	T8	42981	0305423-16
SE70-01-SB-003-(6.0-6.5)	IT15-49-4	Oil Range Organics (C24-C40)	53	U	mg/Kg	53	53	6/11/2003 23:40	T8	42985	0305423-17
SE70-01-SB-004-(0.5-1.0)	IT15-49-4	Oil Range Organics (C24-C40)	950	U	mg/Kg	950	950	6/12/2003 9:26	T8	42994	0305423-18
SE70-01-SB-004-(3.0-3.5)	IT15-49-4	Oil Range Organics (C24-C40)	5100	U	mg/Kg	5100	5100	6/12/2003 10:04	T8	42998	0305423-19
SE70-01-SB-005-(2.5-3.0)	IT15-49-4	Oil Range Organics (C24-C40)	90		mg/Kg	51	51	6/12/2003 11:57	T8	43010	0305423-20

fs_Sample_ID_Client	fs_CAS_Number	fs_Analyte	ff_Result	fs_Flag	fs_Units	ff_PQL	ff_SDL	ft_Date_Analysis	fs_Fraction	bwk_Result_ID	fs_Sample_ID_Lab
B060203GSVSLC2	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/7/2003 15:08	T8	42845	B060203GSVSLC2
EC50-01-SB-002(12.-12.5)DL	68334-30-5	Diesel Range Organics (C12-C24)	2300	D	mg/Kg	120	120	6/9/2003 10:30	T8	42910	0305414-02DL
EC50-01-SB-002-(14.5-15.0)	68334-30-5	Diesel Range Organics (C12-C24)	18		mg/Kg	12	12	6/7/2003 17:39	T8	42856	0305414-03
EC50-01-SB-002-(6.0-6.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/7/2003 16:23	T8	42849	0305414-01
EC50-01-SB-003-(12.0-12.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/7/2003 18:55	T8	42864	0305414-05
EC50-01-SB-003-(14.5-15.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/7/2003 19:32	T8	42868	0305414-06
EC50-01-SB-003-(6.0-6.5)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/7/2003 18:17	T8	42860	0305414-04
EC50-01-SB-004(10.-10.5)DL	68334-30-5	Diesel Range Organics (C12-C24)	1900	D	mg/Kg	110	110	6/9/2003 11:08	T8	42911	0305414-08DL
EC50-01-SB-004(14.5-15.)DL	68334-30-5	Diesel Range Organics (C12-C24)	3700	D	mg/Kg	220	220	6/9/2003 17:23	T8	42922	0305414-09DL
EC50-01-SB-004-(7.5-8.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	3200	D	mg/Kg	240	240	6/9/2003 16:46	T8	42921	0305414-07DL
EC50-01-SB-005-(13.5-14)DL	68334-30-5	Diesel Range Organics (C12-C24)	1200	D	mg/Kg	100	100	6/9/2003 11:45	T8	42912	0305414-11DL
EC50-01-SB-005-(14.5-15)	68334-30-5	Diesel Range Organics (C12-C24)	160		mg/Kg	11	11	6/8/2003 0:35	T8	42882	0305414-12
EC50-01-SB-005-(7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	220		mg/Kg	11	11	6/7/2003 23:19	T8	42875	0305414-10
MNNW-01-SB-003-(8.5-9.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/8/2003 6:53	T8	42906	0305414-20
NE50-01-SB-002-(4.0-4.5)	68334-30-5	Diesel Range Organics (C12-C24)	51		mg/Kg	10	10	6/9/2003 12:23	T8	42913	0305414-13
NE50-01-SB-002-(6.5-7.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/8/2003 1:13	T8	42886	0305414-14
NE50-01-SB-003-(4.0-4.5)	68334-30-5	Diesel Range Organics (C12-C24)	19		mg/Kg	10	10	6/9/2003 13:38	T8	42917	0305414-15
NE50-01-SB-003-(6.5-7.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/8/2003 1:51	T8	42890	0305414-16
NE50-01-SB-004-(1.5-2.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/8/2003 2:28	T8	42894	0305414-17
NE50-01-SB-004-(5.0-5.5)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/8/2003 3:06	T8	42898	0305414-18
NE50-01-SB-004-(7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/8/2003 6:15	T8	42902	0305414-19
B060203GSVSLC2	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/7/2003 15:08	T8	42846	B060203GSVSLC2
EC50-01-SB-002-(12.0-12.5)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/7/2003 17:01	T8	42853	0305414-02
EC50-01-SB-002-(14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/7/2003 17:39	T8	42857	0305414-03
EC50-01-SB-002-(6.0-6.5)	IT15-49-4	Oil Range Organics (C24-C40)	47	U	mg/Kg	47	47	6/7/2003 16:23	T8	42850	0305414-01
EC50-01-SB-003-(12.0-12.5)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/7/2003 18:55	T8	42865	0305414-05
EC50-01-SB-003-(14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	70		mg/Kg	50	50	6/7/2003 19:32	T8	42869	0305414-06
EC50-01-SB-003-(6.0-6.5)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/7/2003 18:17	T8	42861	0305414-04
EC50-01-SB-004-(10.0-10.5)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/7/2003 22:41	T8	42872	0305414-08
EC50-01-SB-004-(14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	83		mg/Kg	43	43	6/9/2003 19:16	T8	42926	0305414-09
EC50-01-SB-004-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	65		mg/Kg	48	48	6/9/2003 18:01	T8	42923	0305414-07
EC50-01-SB-005-(13.5-14)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/7/2003 23:57	T8	42879	0305414-11
EC50-01-SB-005-(14.5-15)	IT15-49-4	Oil Range Organics (C24-C40)	44	U	mg/Kg	44	44	6/8/2003 0:35	T8	42883	0305414-12
EC50-01-SB-005-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/7/2003 23:19	T8	42876	0305414-10
MNNW-01-SB-003-(8.5-9.0)	IT15-49-4	Oil Range Organics (C24-C40)	47	U	mg/Kg	47	47	6/8/2003 6:53	T8	42907	0305414-20
NE50-01-SB-002-(4.0-4.5)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/9/2003 12:23	T8	42914	0305414-13
NE50-01-SB-002-(6.5-7.0)	IT15-49-4	Oil Range Organics (C24-C40)	47	U	mg/Kg	47	47	6/8/2003 1:13	T8	42887	0305414-14
NE50-01-SB-003-(4.0-4.5)	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/9/2003 13:38	T8	42918	0305414-15
NE50-01-SB-003-(6.5-7.0)	IT15-49-4	Oil Range Organics (C24-C40)	47	U	mg/Kg	47	47	6/8/2003 1:51	T8	42891	0305414-16
NE50-01-SB-004-(1.5-2.0)	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/8/2003 2:28	T8	42895	0305414-17
NE50-01-SB-004-(5.0-5.5)	IT15-49-4	Oil Range Organics (C24-C40)	45	U	mg/Kg	45	45	6/8/2003 3:06	T8	42899	0305414-18
NE50-01-SB-004-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/8/2003 6:15	T8	42903	0305414-19

fs_Sample_ID_Client	fs_CAS_Number	fs_Analyte	ff_Result	fs_Flag	fs_Units	ff_PQL	ff_SDL	ft_Date_Analysis	fs_Fraction	bwk_Resul	fs_Sample_ID_Lab
B060203GSVSLC	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/6/2003 10:49	T8	43869	B060203GSVSLC
B061303GSVSLD	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/18/2003 9:12	T8	43949	B061303GSVSLD
DEAD-01-SB-001-(0.5-1.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/6/2003 18:21	T8	43881	0305412-01
DEAD-01-SB-001-(3.5-4.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/6/2003 18:58	T8	43885	0305412-02
DEAD-01-SB-001-(5.0-5.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/6/2003 19:36	T8	43889	0305412-03
EC50-01-SB-001-(1.0-1.5)DL	68334-30-5	Diesel Range Organics (C12-C24)	4700	D	mg/Kg	590	590	6/6/2003 12:04	T8	43873	0305412-15DL
EC50-01-SB-001-(12.0-12.5)	68334-30-5	Diesel Range Organics (C12-C24)	13	U	mg/Kg	13	13	6/6/2003 15:12	T8	43877	0305412-17
EC50-01-SB-001-(8.0-8.5)DL	68334-30-5	Diesel Range Organics (C12-C24)	2000	D	mg/Kg	580	580	6/6/2003 12:42	T8	43874	0305412-16DL
MNNW-01-SB-001-(1.5-2.0)	68334-30-5	Diesel Range Organics (C12-C24)	13		mg/Kg	13	13	6/6/2003 22:44	T8	43909	0305412-08
MNNW-01-SB-001-(1.5-2.0)RX	68334-30-5	Diesel Range Organics (C12-C24)	13	U	mg/Kg	13	13	6/18/2003 10:27	T8	43953	0305412-08RX
MNNW-01-SB-001-(14.5-15.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/7/2003 2:31	T8	43917	0305412-10
MNNW-01-SB-001-(7.0-7.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/7/2003 1:53	T8	43913	0305412-09
MNNW-01-SB-002-(7.0-7.5)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/7/2003 3:09	T8	43921	0305412-11
MNNW-01-SB-005-(1.5-2.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/7/2003 3:46	T8	43925	0305412-12
MNNW-01-SB-005-(6.0-6.5)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/7/2003 4:24	T8	43929	0305412-13
MNNW-01-SB-005-(6.5-7.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/7/2003 5:02	T8	43933	0305412-14
NE50-01-SB-001-(1.0-1.5)	68334-30-5	Diesel Range Organics (C12-C24)	2200	D	mg/Kg	510	510	6/26/2003 10:49	T8	43957	0305412-18
NE50-01-SB-001-(5.0-5.5)DL	68334-30-5	Diesel Range Organics (C12-C24)	5200	D	mg/Kg	570	570	6/6/2003 13:57	T8	43875	0305412-19DL
NE50-01-SB-001-(7.5-8.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	11000	D	mg/Kg	570	570	6/6/2003 14:35	T8	43876	0305412-20DL
NW70-01-SB-001-(1.0-1.5)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/6/2003 21:28	T8	43901	0305412-06
NW70-01-SB-001-(10.5-11.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/6/2003 20:51	T8	43897	0305412-05
NW70-01-SB-001-(6.0-6.5)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/6/2003 20:13	T8	43893	0305412-04
NW70-01-SB-004-(1.0-1.5)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/6/2003 22:06	T8	43905	0305412-07
B060203GSVSLC	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/6/2003 10:49	T8	43870	B060203GSVSLC
B061303GSVSLD	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/18/2003 9:12	T8	43950	B061303GSVSLD
DEAD-01-SB-001-(0.5-1.0)	IT15-49-4	Oil Range Organics (C24-C40)	50	U	mg/Kg	50	50	6/6/2003 18:21	T8	43882	0305412-01
DEAD-01-SB-001-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/6/2003 18:58	T8	43886	0305412-02
DEAD-01-SB-001-(5.0-5.5)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/6/2003 19:36	T8	43890	0305412-03
EC50-01-SB-001-(1.0-1.5)	IT15-49-4	Oil Range Organics (C24-C40)	240	U	mg/Kg	240	240	6/7/2003 10:05	T8	43937	0305412-15
EC50-01-SB-001-(12.0-12.5)	IT15-49-4	Oil Range Organics (C24-C40)	52	U	mg/Kg	52	52	6/6/2003 15:12	T8	43878	0305412-17
EC50-01-SB-001-(8.0-8.5)	IT15-49-4	Oil Range Organics (C24-C40)	52		mg/Kg	47	47	6/7/2003 10:43	T8	43940	0305412-16
MNNW-01-SB-001-(1.5-2.0)	IT15-49-4	Oil Range Organics (C24-C40)	51	U	mg/Kg	51	51	6/6/2003 22:44	T8	43910	0305412-08
MNNW-01-SB-001-(1.5-2.0)RX	IT15-49-4	Oil Range Organics (C24-C40)	51	U	mg/Kg	51	51	6/18/2003 10:27	T8	43954	0305412-08RX
MNNW-01-SB-001-(14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	45	U	mg/Kg	45	45	6/7/2003 2:31	T8	43918	0305412-10
MNNW-01-SB-001-(7.0-7.5)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/7/2003 1:53	T8	43914	0305412-09
MNNW-01-SB-002-(7.0-7.5)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/7/2003 3:09	T8	43922	0305412-11
MNNW-01-SB-005-(1.5-2.0)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/7/2003 3:46	T8	43926	0305412-12
MNNW-01-SB-005-(6.0-6.5)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/7/2003 4:24	T8	43930	0305412-13
MNNW-01-SB-005-(6.5-7.0)	IT15-49-4	Oil Range Organics (C24-C40)	190		mg/Kg	43	43	6/7/2003 5:02	T8	43934	0305412-14
NE50-01-SB-001-(1.0-1.5)	IT15-49-4	Oil Range Organics (C24-C40)	16000	D	mg/Kg	2000	2000	6/26/2003 10:49	T8	43958	0305412-18
NE50-01-SB-001-(5.0-5.5)	IT15-49-4	Oil Range Organics (C24-C40)	230	U	mg/Kg	230	230	6/7/2003 11:21	T8	43943	0305412-19
NE50-01-SB-001-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	450	U	mg/Kg	450	450	6/7/2003 11:59	T8	43946	0305412-20
NW70-01-SB-001-(1.0-1.5)	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/6/2003 21:28	T8	43902	0305412-06
NW70-01-SB-001-(10.5-11.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/6/2003 20:51	T8	43898	0305412-05
NW70-01-SB-001-(6.0-6.5)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/6/2003 20:13	T8	43894	0305412-04
NW70-01-SB-004-(1.0-1.5)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/6/2003 22:06	T8	43906	0305412-07
B060103MPNSLC	91-57-6	2-Methylnaphthalene	33	U	UG/KG	33	33	6/5/2003 7:09	SN	44455	B060103MPNSLC
DEAD-01-SB-001-(0.5-1.0)	91-57-6	2-Methylnaphthalene	42	U	UG/KG	42	42	6/5/2003 11:07	SN	44047	0305412-01
DEAD-01-SB-001-(3.5-4.0)	91-57-6	2-Methylnaphthalene	41	U	UG/KG	41	41	6/5/2003 11:25	SN	44064	0305412-02
DEAD-01-SB-001-(5.0-5.5)	91-57-6	2-Methylnaphthalene	41	U	UG/KG	41	41	6/5/2003 11:44	SN	44081	0305412-03
EC50-01-SB-001-(1.0-1.5)	91-57-6	2-Methylnaphthalene	39	U	UG/KG	39	39	6/6/2003 16:17	SN	44285	0305412-15
EC50-01-SB-001-(1.0-1.5)DL	91-57-6	2-Methylnaphthalene	160	U	UG/KG	160	160	6/6/2003 14:24	SN	44302	0305412-15DL

EC50-01-SB-001-(12.0-12.5)	91-57-6	2-Methylnaphthalene	43	U	UG/KG	43	43	6/6/2003 13:01	SN	44336 0305412-17
EC50-01-SB-001-(8.0-8.5)	91-57-6	2-Methylnaphthalene	1900		UG/KG	160	160	6/6/2003 13:27	SN	44319 0305412-16
MNNW-01-SB-001-(1.5-2.0)	91-57-6	2-Methylnaphthalene	43	U	UG/KG	43	43	6/5/2003 13:18	SN	44166 0305412-08
MNNW-01-SB-001-(14.5-15.0)	91-57-6	2-Methylnaphthalene	37	U	UG/KG	37	37	6/5/2003 13:56	SN	44200 0305412-10
MNNW-01-SB-001-(7.0-7.5)	91-57-6	2-Methylnaphthalene	40	U	UG/KG	40	40	6/5/2003 13:37	SN	44183 0305412-09
MNNW-01-SB-002-(7.0-7.5)	91-57-6	2-Methylnaphthalene	35	U	UG/KG	35	35	6/5/2003 14:14	SN	44217 0305412-11
MNNW-01-SB-005-(1.5-2.0)	91-57-6	2-Methylnaphthalene	34	U	UG/KG	34	34	6/6/2003 11:41	SN	44234 0305412-12
MNNW-01-SB-005-(6.0-6.5)	91-57-6	2-Methylnaphthalene	34	U	UG/KG	34	34	6/6/2003 11:59	SN	44251 0305412-13
MNNW-01-SB-005-(6.5-7.0)	91-57-6	2-Methylnaphthalene	36	U	UG/KG	36	36	6/6/2003 12:18	SN	44268 0305412-14
NE50-01-SB-001-(1.0-1.5)	91-57-6	2-Methylnaphthalene	130	J	UG/KG	140	140	6/6/2003 13:46	SN	44353 0305412-18
NE50-01-SB-001-(1.0-1.5)RE	91-57-6	2-Methylnaphthalene	150		UG/KG	140	140	6/10/2003 8:19	SN	44370 0305412-18RE
NE50-01-SB-001-(5.0-5.5)	91-57-6	2-Methylnaphthalene	24000	E	UG/KG	150	150	6/6/2003 14:05	SN	44387 0305412-19
NE50-01-SB-001-(5.0-5.5)DL	91-57-6	2-Methylnaphthalene	32000	D	UG/KG	770	770	6/10/2003 10:52	SN	44404 0305412-19DL
NE50-01-SB-001-(7.5-8.0)	91-57-6	2-Methylnaphthalene	49000	E	UG/KG	150	150	6/6/2003 14:43	SN	44421 0305412-20
NE50-01-SB-001-(7.5-8.0)DL	91-57-6	2-Methylnaphthalene	74000	D	UG/KG	1500	1500	6/10/2003 11:11	SN	44438 0305412-20DL
NW70-01-SB-001-(1.0-1.5)	91-57-6	2-Methylnaphthalene	34	U	UG/KG	34	34	6/5/2003 12:40	SN	44109 0305412-06
NW70-01-SB-001-(10.5-11.0)	91-57-6	2-Methylnaphthalene	36	U	UG/KG	36	36	6/5/2003 12:21	SN	44092 0305412-05
NW70-01-SB-001-(6.0-6.5)	91-57-6	2-Methylnaphthalene	34	U	UG/KG	34	34	6/5/2003 12:03	SN	44121 0305412-04
NW70-01-SB-004-(1.0-1.5)	91-57-6	2-Methylnaphthalene	34	U	UG/KG	34	34	6/5/2003 12:59	SN	44149 0305412-07
B060103MPNSLC	83-32-9	Acenaphthene	33	U	UG/KG	33	33	6/5/2003 7:09	SN	44457 B060103MPNSLC
DEAD-01-SB-001-(0.5-1.0)	83-32-9	Acenaphthene	42	U	UG/KG	42	42	6/5/2003 11:07	SN	44049 0305412-01
DEAD-01-SB-001-(3.5-4.0)	83-32-9	Acenaphthene	41	U	UG/KG	41	41	6/5/2003 11:25	SN	44066 0305412-02
DEAD-01-SB-001-(5.0-5.5)	83-32-9	Acenaphthene	41	U	UG/KG	41	41	6/5/2003 11:44	SN	44083 0305412-03
EC50-01-SB-001-(1.0-1.5)	83-32-9	Acenaphthene	39	U	UG/KG	39	39	6/6/2003 16:17	SN	44287 0305412-15
EC50-01-SB-001-(1.0-1.5)DL	83-32-9	Acenaphthene	160	U	UG/KG	160	160	6/6/2003 14:24	SN	44304 0305412-15DL
EC50-01-SB-001-(12.0-12.5)	83-32-9	Acenaphthene	43	U	UG/KG	43	43	6/6/2003 13:01	SN	44338 0305412-17
EC50-01-SB-001-(8.0-8.5)	83-32-9	Acenaphthene	160	U	UG/KG	160	160	6/6/2003 13:27	SN	44321 0305412-16
MNNW-01-SB-001-(1.5-2.0)	83-32-9	Acenaphthene	43	U	UG/KG	43	43	6/5/2003 13:18	SN	44168 0305412-08
MNNW-01-SB-001-(14.5-15.0)	83-32-9	Acenaphthene	37	U	UG/KG	37	37	6/5/2003 13:56	SN	44202 0305412-10
MNNW-01-SB-001-(7.0-7.5)	83-32-9	Acenaphthene	40	U	UG/KG	40	40	6/5/2003 13:37	SN	44185 0305412-09
MNNW-01-SB-002-(7.0-7.5)	83-32-9	Acenaphthene	35	U	UG/KG	35	35	6/5/2003 14:14	SN	44219 0305412-11
MNNW-01-SB-005-(1.5-2.0)	83-32-9	Acenaphthene	34	U	UG/KG	34	34	6/6/2003 11:41	SN	44236 0305412-12
MNNW-01-SB-005-(6.0-6.5)	83-32-9	Acenaphthene	34	U	UG/KG	34	34	6/6/2003 11:59	SN	44253 0305412-13
MNNW-01-SB-005-(6.5-7.0)	83-32-9	Acenaphthene	36	U	UG/KG	36	36	6/6/2003 12:18	SN	44270 0305412-14
NE50-01-SB-001-(1.0-1.5)	83-32-9	Acenaphthene	190		UG/KG	140	140	6/6/2003 13:46	SN	44355 0305412-18
NE50-01-SB-001-(1.0-1.5)RE	83-32-9	Acenaphthene	200		UG/KG	140	140	6/10/2003 8:19	SN	44372 0305412-18RE
NE50-01-SB-001-(5.0-5.5)	83-32-9	Acenaphthene	150	U	UG/KG	150	150	6/6/2003 14:05	SN	44389 0305412-19
NE50-01-SB-001-(5.0-5.5)DL	83-32-9	Acenaphthene	770	U	UG/KG	770	770	6/10/2003 10:52	SN	44406 0305412-19DL
NE50-01-SB-001-(7.5-8.0)	83-32-9	Acenaphthene	2100		UG/KG	150	150	6/6/2003 14:43	SN	44423 0305412-20
NE50-01-SB-001-(7.5-8.0)DL	83-32-9	Acenaphthene	2700	D	UG/KG	1500	1500	6/10/2003 11:11	SN	44440 0305412-20DL
NW70-01-SB-001-(1.0-1.5)	83-32-9	Acenaphthene	34	U	UG/KG	34	34	6/5/2003 12:40	SN	44111 0305412-06
NW70-01-SB-001-(10.5-11.0)	83-32-9	Acenaphthene	36	U	UG/KG	36	36	6/5/2003 12:21	SN	44094 0305412-05
NW70-01-SB-001-(6.0-6.5)	83-32-9	Acenaphthene	34	U	UG/KG	34	34	6/5/2003 12:03	SN	44123 0305412-04
NW70-01-SB-004-(1.0-1.5)	83-32-9	Acenaphthene	34	U	UG/KG	34	34	6/5/2003 12:59	SN	44151 0305412-07
B060103MPNSLC	208-96-8	Acenaphthylene	33	U	UG/KG	33	33	6/5/2003 7:09	SN	44456 B060103MPNSLC
DEAD-01-SB-001-(0.5-1.0)	208-96-8	Acenaphthylene	42	U	UG/KG	42	42	6/5/2003 11:07	SN	44048 0305412-01
DEAD-01-SB-001-(3.5-4.0)	208-96-8	Acenaphthylene	41	U	UG/KG	41	41	6/5/2003 11:25	SN	44065 0305412-02
DEAD-01-SB-001-(5.0-5.5)	208-96-8	Acenaphthylene	41	U	UG/KG	41	41	6/5/2003 11:44	SN	44082 0305412-03
EC50-01-SB-001-(1.0-1.5)	208-96-8	Acenaphthylene	39	U	UG/KG	39	39	6/6/2003 16:17	SN	44286 0305412-15
EC50-01-SB-001-(1.0-1.5)DL	208-96-8	Acenaphthylene	160	U	UG/KG	160	160	6/6/2003 14:24	SN	44303 0305412-15DL
EC50-01-SB-001-(12.0-12.5)	208-96-8	Acenaphthylene	43	U	UG/KG	43	43	6/6/2003 13:01	SN	44337 0305412-17
EC50-01-SB-001-(8.0-8.5)	208-96-8	Acenaphthylene	160	U	UG/KG	160	160	6/6/2003 13:27	SN	44320 0305412-16
MNNW-01-SB-001-(1.5-2.0)	208-96-8	Acenaphthylene	43	U	UG/KG	43	43	6/5/2003 13:18	SN	44167 0305412-08

MNNW-01-SB-001-(14.5-15.0)	208-96-8	Acenaphthylene	37 U	UG/KG	37	37	6/5/2003 13:56	SN	44201	0305412-10
MNNW-01-SB-001-(7.0-7.5)	208-96-8	Acenaphthylene	40 U	UG/KG	40	40	6/5/2003 13:37	SN	44184	0305412-09
MNNW-01-SB-002-(7.0-7.5)	208-96-8	Acenaphthylene	35 U	UG/KG	35	35	6/5/2003 14:14	SN	44218	0305412-11
MNNW-01-SB-005-(1.5-2.0)	208-96-8	Acenaphthylene	34 U	UG/KG	34	34	6/6/2003 11:41	SN	44235	0305412-12
MNNW-01-SB-005-(6.0-6.5)	208-96-8	Acenaphthylene	34 U	UG/KG	34	34	6/6/2003 11:59	SN	44252	0305412-13
MNNW-01-SB-005-(6.5-7.0)	208-96-8	Acenaphthylene	36 U	UG/KG	36	36	6/6/2003 12:18	SN	44269	0305412-14
NE50-01-SB-001-(1.0-1.5)	208-96-8	Acenaphthylene	140 U	UG/KG	140	140	6/6/2003 13:46	SN	44354	0305412-18
NE50-01-SB-001-(1.0-1.5)RE	208-96-8	Acenaphthylene	140 U	UG/KG	140	140	6/10/2003 8:19	SN	44371	0305412-18RE
NE50-01-SB-001-(5.0-5.5)	208-96-8	Acenaphthylene	150 U	UG/KG	150	150	6/6/2003 14:05	SN	44388	0305412-19
NE50-01-SB-001-(5.0-5.5)DL	208-96-8	Acenaphthylene	770 U	UG/KG	770	770	6/10/2003 10:52	SN	44405	0305412-19DL
NE50-01-SB-001-(7.5-8.0)	208-96-8	Acenaphthylene	150 U	UG/KG	150	150	6/6/2003 14:43	SN	44422	0305412-20
NE50-01-SB-001-(7.5-8.0)DL	208-96-8	Acenaphthylene	1500 U	UG/KG	1500	1500	6/10/2003 11:11	SN	44439	0305412-20DL
NW70-01-SB-001-(1.0-1.5)	208-96-8	Acenaphthylene	34 U	UG/KG	34	34	6/5/2003 12:40	SN	44110	0305412-06
NW70-01-SB-001-(10.5-11.0)	208-96-8	Acenaphthylene	36 U	UG/KG	36	36	6/5/2003 12:21	SN	44093	0305412-05
NW70-01-SB-001-(6.0-6.5)	208-96-8	Acenaphthylene	34 U	UG/KG	34	34	6/5/2003 12:03	SN	44122	0305412-04
NW70-01-SB-004-(1.0-1.5)	208-96-8	Acenaphthylene	34 U	UG/KG	34	34	6/5/2003 12:59	SN	44150	0305412-07
B060103MPNSLC	120-12-7	Anthracene	33 U	UG/KG	33	33	6/5/2003 7:09	SN	44460	B060103MPNSLC
DEAD-01-SB-001-(0.5-1.0)	120-12-7	Anthracene	42 U	UG/KG	42	42	6/5/2003 11:07	SN	44052	0305412-01
DEAD-01-SB-001-(3.5-4.0)	120-12-7	Anthracene	41 U	UG/KG	41	41	6/5/2003 11:25	SN	44069	0305412-02
DEAD-01-SB-001-(5.0-5.5)	120-12-7	Anthracene	41 U	UG/KG	41	41	6/5/2003 11:44	SN	44086	0305412-03
EC50-01-SB-001-(1.0-1.5)	120-12-7	Anthracene	39 U	UG/KG	39	39	6/6/2003 16:17	SN	44290	0305412-15
EC50-01-SB-001-(1.0-1.5)DL	120-12-7	Anthracene	160 U	UG/KG	160	160	6/6/2003 14:24	SN	44307	0305412-15DL
EC50-01-SB-001-(12.0-12.5)	120-12-7	Anthracene	43 U	UG/KG	43	43	6/6/2003 13:01	SN	44341	0305412-17
EC50-01-SB-001-(8.0-8.5)	120-12-7	Anthracene	160 U	UG/KG	160	160	6/6/2003 13:27	SN	44324	0305412-16
MNNW-01-SB-001-(1.5-2.0)	120-12-7	Anthracene	43 U	UG/KG	43	43	6/5/2003 13:18	SN	44171	0305412-08
MNNW-01-SB-001-(14.5-15.0)	120-12-7	Anthracene	37 U	UG/KG	37	37	6/5/2003 13:56	SN	44205	0305412-10
MNNW-01-SB-001-(7.0-7.5)	120-12-7	Anthracene	40 U	UG/KG	40	40	6/5/2003 13:37	SN	44188	0305412-09
MNNW-01-SB-002-(7.0-7.5)	120-12-7	Anthracene	35 U	UG/KG	35	35	6/5/2003 14:14	SN	44222	0305412-11
MNNW-01-SB-005-(1.5-2.0)	120-12-7	Anthracene	34 U	UG/KG	34	34	6/6/2003 11:41	SN	44239	0305412-12
MNNW-01-SB-005-(6.0-6.5)	120-12-7	Anthracene	34 U	UG/KG	34	34	6/6/2003 11:59	SN	44256	0305412-13
MNNW-01-SB-005-(6.5-7.0)	120-12-7	Anthracene	36 U	UG/KG	36	36	6/6/2003 12:18	SN	44273	0305412-14
NE50-01-SB-001-(1.0-1.5)	120-12-7	Anthracene	140 U	UG/KG	140	140	6/6/2003 13:46	SN	44358	0305412-18
NE50-01-SB-001-(1.0-1.5)RE	120-12-7	Anthracene	140 U	UG/KG	140	140	6/10/2003 8:19	SN	44375	0305412-18RE
NE50-01-SB-001-(5.0-5.5)	120-12-7	Anthracene	150 U	UG/KG	150	150	6/6/2003 14:05	SN	44392	0305412-19
NE50-01-SB-001-(5.0-5.5)DL	120-12-7	Anthracene	770 U	UG/KG	770	770	6/10/2003 10:52	SN	44409	0305412-19DL
NE50-01-SB-001-(7.5-8.0)	120-12-7	Anthracene	150 U	UG/KG	150	150	6/6/2003 14:43	SN	44426	0305412-20
NE50-01-SB-001-(7.5-8.0)DL	120-12-7	Anthracene	1500 U	UG/KG	1500	1500	6/10/2003 11:11	SN	44443	0305412-20DL
NW70-01-SB-001-(1.0-1.5)	120-12-7	Anthracene	34 U	UG/KG	34	34	6/5/2003 12:40	SN	44137	0305412-06
NW70-01-SB-001-(10.5-11.0)	120-12-7	Anthracene	36 U	UG/KG	36	36	6/5/2003 12:21	SN	44097	0305412-05
NW70-01-SB-001-(6.0-6.5)	120-12-7	Anthracene	34 U	UG/KG	34	34	6/5/2003 12:03	SN	44126	0305412-04
NW70-01-SB-004-(1.0-1.5)	120-12-7	Anthracene	34 U	UG/KG	34	34	6/5/2003 12:59	SN	44154	0305412-07
B060303GVOSK1	71-43-2	Benzene	40 U	ug/Kg	40	20	6/4/2003 8:21	8X	44645	B060303GVOSK1
B060303GVOSK1RE	71-43-2	Benzene	40 U	ug/Kg	40	20	6/5/2003 7:58	8X	44650	B060303GVOSK1RE
DEAD-01-SB-001-(0.5-1.0)	71-43-2	Benzene	50 U	ug/Kg	50	25	6/4/2003 14:07	8X	44545	0305412-01
DEAD-01-SB-001-(3.5-4.0)	71-43-2	Benzene	49 U	ug/Kg	49	25	6/4/2003 9:37	8X	44550	0305412-02
DEAD-01-SB-001-(5.0-5.5)	71-43-2	Benzene	49 U	ug/Kg	49	25	6/4/2003 10:16	8X	44555	0305412-03
EC50-01-SB-001-(1.0-1.5)	71-43-2	Benzene	47 U	ug/Kg	47	24	6/5/2003 17:04	8X	44615	0305412-15
EC50-01-SB-001-(12.0-12.5)	71-43-2	Benzene	52 U	ug/Kg	52	26	6/5/2003 11:16	8X	44625	0305412-17
EC50-01-SB-001-(8.0-8.5)	71-43-2	Benzene	47 U	ug/Kg	47	23	6/5/2003 13:12	8X	44620	0305412-16
MNNW-01-SB-001-(1.5-2.0)	71-43-2	Benzene	51 U	ug/Kg	51	26	6/4/2003 18:36	8X	44580	0305412-08
MNNW-01-SB-001-(14.5-15.0)	71-43-2	Benzene	45 U	ug/Kg	45	22	6/4/2003 19:53	8X	44590	0305412-10
MNNW-01-SB-001-(7.0-7.5)	71-43-2	Benzene	48 U	ug/Kg	48	24	6/4/2003 19:15	8X	44585	0305412-09
MNNW-01-SB-002-(7.0-7.5)	71-43-2	Benzene	42 U	ug/Kg	42	21	6/5/2003 10:37	8X	44595	0305412-11

MNNW-01-SB-005-(1.5-2.0)	71-43-2	Benzene	41 U	ug/Kg	41	21	6/5/2003 15:08	8X	44600	0305412-12
MNNW-01-SB-005-(6.0-6.5)	71-43-2	Benzene	41 U	ug/Kg	41	21	6/5/2003 15:46	8X	44605	0305412-13
MNNW-01-SB-005-(6.5-7.0)	71-43-2	Benzene	43 U	ug/Kg	43	22	6/5/2003 17:43	8X	44610	0305412-14
NE50-01-SB-001-(1.0-1.5)	71-43-2	Benzene	41 U	ug/Kg	41	20	6/5/2003 19:38	8X	44630	0305412-18
NE50-01-SB-001-(5.0-5.5)	71-43-2	Benzene	92 U	ug/Kg	92	46	6/5/2003 11:54	8X	44635	0305412-19
NE50-01-SB-001-(7.5-8.0)	71-43-2	Benzene	45 U	ug/Kg	45	23	6/5/2003 19:00	8X	44640	0305412-20
NW70-01-SB-001-(1.0-1.5)	71-43-2	Benzene	40 U	ug/Kg	40	20	6/4/2003 17:19	8X	44570	0305412-06
NW70-01-SB-001-(10.5-11.0)	71-43-2	Benzene	43 U	ug/Kg	43	22	6/4/2003 16:41	8X	44565	0305412-05
NW70-01-SB-001-(6.0-6.5)	71-43-2	Benzene	41 U	ug/Kg	41	20	6/4/2003 16:02	8X	44560	0305412-04
NW70-01-SB-004-(1.0-1.5)	71-43-2	Benzene	41 U	ug/Kg	41	21	6/4/2003 17:58	8X	44575	0305412-07
B060103MPNSLC	56-55-3	Benzo[a]anthracene	33 U	UG/KG	33	33	6/5/2003 7:09	SN	44462	B060103MPNSLC
DEAD-01-SB-001-(0.5-1.0)	56-55-3	Benzo[a]anthracene	42 U	UG/KG	42	42	6/5/2003 11:07	SN	44054	0305412-01
DEAD-01-SB-001-(3.5-4.0)	56-55-3	Benzo[a]anthracene	41 U	UG/KG	41	41	6/5/2003 11:25	SN	44071	0305412-02
DEAD-01-SB-001-(5.0-5.5)	56-55-3	Benzo[a]anthracene	41 U	UG/KG	41	41	6/5/2003 11:44	SN	44088	0305412-03
EC50-01-SB-001-(1.0-1.5)	56-55-3	Benzo[a]anthracene	39 U	UG/KG	39	39	6/6/2003 16:17	SN	44292	0305412-15
EC50-01-SB-001-(1.0-1.5)DL	56-55-3	Benzo[a]anthracene	160 U	UG/KG	160	160	6/6/2003 14:24	SN	44309	0305412-15DL
EC50-01-SB-001-(12.0-12.5)	56-55-3	Benzo[a]anthracene	43 U	UG/KG	43	43	6/6/2003 13:01	SN	44343	0305412-17
EC50-01-SB-001-(8.0-8.5)	56-55-3	Benzo[a]anthracene	160 U	UG/KG	160	160	6/6/2003 13:27	SN	44326	0305412-16
MNNW-01-SB-001-(1.5-2.0)	56-55-3	Benzo[a]anthracene	43 U	UG/KG	43	43	6/5/2003 13:18	SN	44173	0305412-08
MNNW-01-SB-001-(14.5-15.0)	56-55-3	Benzo[a]anthracene	37 U	UG/KG	37	37	6/5/2003 13:56	SN	44207	0305412-10
MNNW-01-SB-001-(7.0-7.5)	56-55-3	Benzo[a]anthracene	40 U	UG/KG	40	40	6/5/2003 13:37	SN	44190	0305412-09
MNNW-01-SB-002-(7.0-7.5)	56-55-3	Benzo[a]anthracene	35 U	UG/KG	35	35	6/5/2003 14:14	SN	44224	0305412-11
MNNW-01-SB-005-(1.5-2.0)	56-55-3	Benzo[a]anthracene	34 U	UG/KG	34	34	6/6/2003 11:41	SN	44241	0305412-12
MNNW-01-SB-005-(6.0-6.5)	56-55-3	Benzo[a]anthracene	34 U	UG/KG	34	34	6/6/2003 11:59	SN	44258	0305412-13
MNNW-01-SB-005-(6.5-7.0)	56-55-3	Benzo[a]anthracene	36 U	UG/KG	36	36	6/6/2003 12:18	SN	44275	0305412-14
NE50-01-SB-001-(1.0-1.5)	56-55-3	Benzo[a]anthracene	140 U	UG/KG	140	140	6/6/2003 13:46	SN	44360	0305412-18
NE50-01-SB-001-(1.0-1.5)RE	56-55-3	Benzo[a]anthracene	140 U	UG/KG	140	140	6/10/2003 8:19	SN	44377	0305412-18RE
NE50-01-SB-001-(5.0-5.5)	56-55-3	Benzo[a]anthracene	150 U	UG/KG	150	150	6/6/2003 14:05	SN	44394	0305412-19
NE50-01-SB-001-(5.0-5.5)DL	56-55-3	Benzo[a]anthracene	770 U	UG/KG	770	770	6/10/2003 10:52	SN	44411	0305412-19DL
NE50-01-SB-001-(7.5-8.0)	56-55-3	Benzo[a]anthracene	150 U	UG/KG	150	150	6/6/2003 14:43	SN	44428	0305412-20
NE50-01-SB-001-(7.5-8.0)DL	56-55-3	Benzo[a]anthracene	1500 U	UG/KG	1500	1500	6/10/2003 11:11	SN	44445	0305412-20DL
NW70-01-SB-001-(1.0-1.5)	56-55-3	Benzo[a]anthracene	34 U	UG/KG	34	34	6/5/2003 12:40	SN	44139	0305412-06
NW70-01-SB-001-(10.5-11.0)	56-55-3	Benzo[a]anthracene	36 U	UG/KG	36	36	6/5/2003 12:21	SN	44099	0305412-05
NW70-01-SB-001-(6.0-6.5)	56-55-3	Benzo[a]anthracene	34 U	UG/KG	34	34	6/5/2003 12:03	SN	44128	0305412-04
NW70-01-SB-004-(1.0-1.5)	56-55-3	Benzo[a]anthracene	34 U	UG/KG	34	34	6/5/2003 12:59	SN	44156	0305412-07
B060103MPNSLC	50-32-8	Benzo[a]pyrene	33 U	UG/KG	33	33	6/5/2003 7:09	SN	44466	B060103MPNSLC
DEAD-01-SB-001-(0.5-1.0)	50-32-8	Benzo[a]pyrene	42 U	UG/KG	42	42	6/5/2003 11:07	SN	44058	0305412-01
DEAD-01-SB-001-(3.5-4.0)	50-32-8	Benzo[a]pyrene	41 U	UG/KG	41	41	6/5/2003 11:25	SN	44075	0305412-02
DEAD-01-SB-001-(5.0-5.5)	50-32-8	Benzo[a]pyrene	41 U	UG/KG	41	41	6/5/2003 11:44	SN	44115	0305412-03
EC50-01-SB-001-(1.0-1.5)	50-32-8	Benzo[a]pyrene	39 U	UG/KG	39	39	6/6/2003 16:17	SN	44296	0305412-15
EC50-01-SB-001-(1.0-1.5)DL	50-32-8	Benzo[a]pyrene	160 U	UG/KG	160	160	6/6/2003 14:24	SN	44313	0305412-15DL
EC50-01-SB-001-(12.0-12.5)	50-32-8	Benzo[a]pyrene	43 U	UG/KG	43	43	6/6/2003 13:01	SN	44347	0305412-17
EC50-01-SB-001-(8.0-8.5)	50-32-8	Benzo[a]pyrene	160 U	UG/KG	160	160	6/6/2003 13:27	SN	44330	0305412-16
MNNW-01-SB-001-(1.5-2.0)	50-32-8	Benzo[a]pyrene	43 U	UG/KG	43	43	6/5/2003 13:18	SN	44177	0305412-08
MNNW-01-SB-001-(14.5-15.0)	50-32-8	Benzo[a]pyrene	37 U	UG/KG	37	37	6/5/2003 13:56	SN	44211	0305412-10
MNNW-01-SB-001-(7.0-7.5)	50-32-8	Benzo[a]pyrene	40 U	UG/KG	40	40	6/5/2003 13:37	SN	44194	0305412-09
MNNW-01-SB-002-(7.0-7.5)	50-32-8	Benzo[a]pyrene	35 U	UG/KG	35	35	6/5/2003 14:14	SN	44228	0305412-11
MNNW-01-SB-005-(1.5-2.0)	50-32-8	Benzo[a]pyrene	34 U	UG/KG	34	34	6/6/2003 11:41	SN	44245	0305412-12
MNNW-01-SB-005-(6.0-6.5)	50-32-8	Benzo[a]pyrene	34 U	UG/KG	34	34	6/6/2003 11:59	SN	44262	0305412-13
MNNW-01-SB-005-(6.5-7.0)	50-32-8	Benzo[a]pyrene	36 U	UG/KG	36	36	6/6/2003 12:18	SN	44279	0305412-14
NE50-01-SB-001-(1.0-1.5)	50-32-8	Benzo[a]pyrene	140 U	UG/KG	140	140	6/6/2003 13:46	SN	44364	0305412-18
NE50-01-SB-001-(1.0-1.5)RE	50-32-8	Benzo[a]pyrene	140 U	UG/KG	140	140	6/10/2003 8:19	SN	44381	0305412-18RE
NE50-01-SB-001-(5.0-5.5)	50-32-8	Benzo[a]pyrene	150 U	UG/KG	150	150	6/6/2003 14:05	SN	44398	0305412-19

NE50-01-SB-001-(5.0-5.5)DL	50-32-8	Benzo[a]pyrene	770	U	UG/KG	770	770	6/10/2003 10:52	SN	44415	0305412-19DL
NE50-01-SB-001-(7.5-8.0)	50-32-8	Benzo[a]pyrene	150	U	UG/KG	150	150	6/6/2003 14:43	SN	44432	0305412-20
NE50-01-SB-001-(7.5-8.0)DL	50-32-8	Benzo[a]pyrene	1500	U	UG/KG	1500	1500	6/10/2003 11:11	SN	44449	0305412-20DL
NW70-01-SB-001-(1.0-1.5)	50-32-8	Benzo[a]pyrene	34	U	UG/KG	34	34	6/5/2003 12:40	SN	44143	0305412-06
NW70-01-SB-001-(10.5-11.0)	50-32-8	Benzo[a]pyrene	36	U	UG/KG	36	36	6/5/2003 12:21	SN	44103	0305412-05
NW70-01-SB-001-(6.0-6.5)	50-32-8	Benzo[a]pyrene	34	U	UG/KG	34	34	6/5/2003 12:03	SN	44132	0305412-04
NW70-01-SB-004-(1.0-1.5)	50-32-8	Benzo[a]pyrene	34	U	UG/KG	34	34	6/5/2003 12:59	SN	44160	0305412-07
B060103MPNSLC	205-99-2	Benzo[b]fluoranthene	33	U	UG/KG	33	33	6/5/2003 7:09	SN	44464	B060103MPNSLC
DEAD-01-SB-001-(0.5-1.0)	205-99-2	Benzo[b]fluoranthene	42	U	UG/KG	42	42	6/5/2003 11:07	SN	44056	0305412-01
DEAD-01-SB-001-(3.5-4.0)	205-99-2	Benzo[b]fluoranthene	41	U	UG/KG	41	41	6/5/2003 11:25	SN	44073	0305412-02
DEAD-01-SB-001-(5.0-5.5)	205-99-2	Benzo[b]fluoranthene	41	U	UG/KG	41	41	6/5/2003 11:44	SN	44090	0305412-03
EC50-01-SB-001-(1.0-1.5)	205-99-2	Benzo[b]fluoranthene	39	U	UG/KG	39	39	6/6/2003 16:17	SN	44294	0305412-15
EC50-01-SB-001-(1.0-1.5)DL	205-99-2	Benzo[b]fluoranthene	160	U	UG/KG	160	160	6/6/2003 14:24	SN	44311	0305412-15DL
EC50-01-SB-001-(12.0-12.5)	205-99-2	Benzo[b]fluoranthene	43	U	UG/KG	43	43	6/6/2003 13:01	SN	44345	0305412-17
EC50-01-SB-001-(8.0-8.5)	205-99-2	Benzo[b]fluoranthene	160	U	UG/KG	160	160	6/6/2003 13:27	SN	44328	0305412-16
MNNW-01-SB-001-(1.5-2.0)	205-99-2	Benzo[b]fluoranthene	43	U	UG/KG	43	43	6/5/2003 13:18	SN	44175	0305412-08
MNNW-01-SB-001-(14.5-15.0)	205-99-2	Benzo[b]fluoranthene	37	U	UG/KG	37	37	6/5/2003 13:56	SN	44209	0305412-10
MNNW-01-SB-001-(7.0-7.5)	205-99-2	Benzo[b]fluoranthene	40	U	UG/KG	40	40	6/5/2003 13:37	SN	44192	0305412-09
MNNW-01-SB-002-(7.0-7.5)	205-99-2	Benzo[b]fluoranthene	35	U	UG/KG	35	35	6/5/2003 14:14	SN	44226	0305412-11
MNNW-01-SB-005-(1.5-2.0)	205-99-2	Benzo[b]fluoranthene	34	U	UG/KG	34	34	6/6/2003 11:41	SN	44243	0305412-12
MNNW-01-SB-005-(6.0-6.5)	205-99-2	Benzo[b]fluoranthene	34	U	UG/KG	34	34	6/6/2003 11:59	SN	44260	0305412-13
MNNW-01-SB-005-(6.5-7.0)	205-99-2	Benzo[b]fluoranthene	36	U	UG/KG	36	36	6/6/2003 12:18	SN	44277	0305412-14
NE50-01-SB-001-(1.0-1.5)	205-99-2	Benzo[b]fluoranthene	140	U	UG/KG	140	140	6/6/2003 13:46	SN	44362	0305412-18
NE50-01-SB-001-(1.0-1.5)RE	205-99-2	Benzo[b]fluoranthene	140	U	UG/KG	140	140	6/10/2003 8:19	SN	44379	0305412-18RE
NE50-01-SB-001-(5.0-5.5)	205-99-2	Benzo[b]fluoranthene	150	U	UG/KG	150	150	6/6/2003 14:05	SN	44396	0305412-19
NE50-01-SB-001-(5.0-5.5)DL	205-99-2	Benzo[b]fluoranthene	770	U	UG/KG	770	770	6/10/2003 10:52	SN	44413	0305412-19DL
NE50-01-SB-001-(7.5-8.0)	205-99-2	Benzo[b]fluoranthene	150	U	UG/KG	150	150	6/6/2003 14:43	SN	44430	0305412-20
NE50-01-SB-001-(7.5-8.0)DL	205-99-2	Benzo[b]fluoranthene	1500	U	UG/KG	1500	1500	6/10/2003 11:11	SN	44447	0305412-20DL
NW70-01-SB-001-(1.0-1.5)	205-99-2	Benzo[b]fluoranthene	34	U	UG/KG	34	34	6/5/2003 12:40	SN	44141	0305412-06
NW70-01-SB-001-(10.5-11.0)	205-99-2	Benzo[b]fluoranthene	36	U	UG/KG	36	36	6/5/2003 12:21	SN	44101	0305412-05
NW70-01-SB-001-(6.0-6.5)	205-99-2	Benzo[b]fluoranthene	34	U	UG/KG	34	34	6/5/2003 12:03	SN	44130	0305412-04
NW70-01-SB-004-(1.0-1.5)	205-99-2	Benzo[b]fluoranthene	34	U	UG/KG	34	34	6/5/2003 12:59	SN	44158	0305412-07
B060103MPNSLC	191-24-2	Benzo[g,h,I]perylene	33	U	UG/KG	33	33	6/5/2003 7:09	SN	44469	B060103MPNSLC
DEAD-01-SB-001-(0.5-1.0)	191-24-2	Benzo[g,h,I]perylene	42	U	UG/KG	42	42	6/5/2003 11:07	SN	44061	0305412-01
DEAD-01-SB-001-(3.5-4.0)	191-24-2	Benzo[g,h,I]perylene	41	U	UG/KG	41	41	6/5/2003 11:25	SN	44078	0305412-02
DEAD-01-SB-001-(5.0-5.5)	191-24-2	Benzo[g,h,I]perylene	41	U	UG/KG	41	41	6/5/2003 11:44	SN	44118	0305412-03
EC50-01-SB-001-(1.0-1.5)	191-24-2	Benzo[g,h,I]perylene	39	U	UG/KG	39	39	6/6/2003 16:17	SN	44299	0305412-15
EC50-01-SB-001-(1.0-1.5)DL	191-24-2	Benzo[g,h,I]perylene	160	U	UG/KG	160	160	6/6/2003 14:24	SN	44316	0305412-15DL
EC50-01-SB-001-(12.0-12.5)	191-24-2	Benzo[g,h,I]perylene	43	U	UG/KG	43	43	6/6/2003 13:01	SN	44350	0305412-17
EC50-01-SB-001-(8.0-8.5)	191-24-2	Benzo[g,h,I]perylene	160	U	UG/KG	160	160	6/6/2003 13:27	SN	44333	0305412-16
MNNW-01-SB-001-(1.5-2.0)	191-24-2	Benzo[g,h,I]perylene	43	U	UG/KG	43	43	6/5/2003 13:18	SN	44180	0305412-08
MNNW-01-SB-001-(14.5-15.0)	191-24-2	Benzo[g,h,I]perylene	37	U	UG/KG	37	37	6/5/2003 13:56	SN	44214	0305412-10
MNNW-01-SB-001-(7.0-7.5)	191-24-2	Benzo[g,h,I]perylene	40	U	UG/KG	40	40	6/5/2003 13:37	SN	44197	0305412-09
MNNW-01-SB-002-(7.0-7.5)	191-24-2	Benzo[g,h,I]perylene	35	U	UG/KG	35	35	6/5/2003 14:14	SN	44231	0305412-11
MNNW-01-SB-005-(1.5-2.0)	191-24-2	Benzo[g,h,I]perylene	34	U	UG/KG	34	34	6/6/2003 11:41	SN	44248	0305412-12
MNNW-01-SB-005-(6.0-6.5)	191-24-2	Benzo[g,h,I]perylene	34	U	UG/KG	34	34	6/6/2003 11:59	SN	44265	0305412-13
MNNW-01-SB-005-(6.5-7.0)	191-24-2	Benzo[g,h,I]perylene	36	U	UG/KG	36	36	6/6/2003 12:18	SN	44282	0305412-14
NE50-01-SB-001-(1.0-1.5)	191-24-2	Benzo[g,h,I]perylene	140	U	UG/KG	140	140	6/6/2003 13:46	SN	44367	0305412-18
NE50-01-SB-001-(1.0-1.5)RE	191-24-2	Benzo[g,h,I]perylene	140	U	UG/KG	140	140	6/10/2003 8:19	SN	44384	0305412-18RE
NE50-01-SB-001-(5.0-5.5)	191-24-2	Benzo[g,h,I]perylene	150	U	UG/KG	150	150	6/6/2003 14:05	SN	44401	0305412-19
NE50-01-SB-001-(5.0-5.5)DL	191-24-2	Benzo[g,h,I]perylene	770	U	UG/KG	770	770	6/10/2003 10:52	SN	44418	0305412-19DL
NE50-01-SB-001-(7.5-8.0)	191-24-2	Benzo[g,h,I]perylene	150	U	UG/KG	150	150	6/6/2003 14:43	SN	44435	0305412-20
NE50-01-SB-001-(7.5-8.0)DL	191-24-2	Benzo[g,h,I]perylene	1500	U	UG/KG	1500	1500	6/10/2003 11:11	SN	44452	0305412-20DL

NW70-01-SB-001-(1.0-1.5)	191-24-2	Benzo[g,h,I]perylene	34	U	UG/KG	34	34	6/5/2003 12:40	SN	44146	0305412-06
NW70-01-SB-001-(10.5-11.0)	191-24-2	Benzo[g,h,I]perylene	36	U	UG/KG	36	36	6/5/2003 12:21	SN	44106	0305412-05
NW70-01-SB-001-(6.0-6.5)	191-24-2	Benzo[g,h,I]perylene	34	U	UG/KG	34	34	6/5/2003 12:03	SN	44135	0305412-04
NW70-01-SB-004-(1.0-1.5)	191-24-2	Benzo[g,h,I]perylene	34	U	UG/KG	34	34	6/5/2003 12:59	SN	44163	0305412-07
B060103MPNSLC	207-08-9	Benzo[k]fluoranthene	33	U	UG/KG	33	33	6/5/2003 7:09	SN	44465	B060103MPNSLC
DEAD-01-SB-001-(0.5-1.0)	207-08-9	Benzo[k]fluoranthene	42	U	UG/KG	42	42	6/5/2003 11:07	SN	44057	0305412-01
DEAD-01-SB-001-(3.5-4.0)	207-08-9	Benzo[k]fluoranthene	41	U	UG/KG	41	41	6/5/2003 11:25	SN	44074	0305412-02
DEAD-01-SB-001-(5.0-5.5)	207-08-9	Benzo[k]fluoranthene	41	U	UG/KG	41	41	6/5/2003 11:44	SN	44114	0305412-03
EC50-01-SB-001-(1.0-1.5)	207-08-9	Benzo[k]fluoranthene	39	U	UG/KG	39	39	6/6/2003 16:17	SN	44295	0305412-15
EC50-01-SB-001-(1.0-1.5)DL	207-08-9	Benzo[k]fluoranthene	160	U	UG/KG	160	160	6/6/2003 14:24	SN	44312	0305412-15DL
EC50-01-SB-001-(12.0-12.5)	207-08-9	Benzo[k]fluoranthene	43	U	UG/KG	43	43	6/6/2003 13:01	SN	44346	0305412-17
EC50-01-SB-001-(8.0-8.5)	207-08-9	Benzo[k]fluoranthene	160	U	UG/KG	160	160	6/6/2003 13:27	SN	44329	0305412-16
MNNW-01-SB-001-(1.5-2.0)	207-08-9	Benzo[k]fluoranthene	43	U	UG/KG	43	43	6/5/2003 13:18	SN	44176	0305412-08
MNNW-01-SB-001-(14.5-15.0)	207-08-9	Benzo[k]fluoranthene	37	U	UG/KG	37	37	6/5/2003 13:56	SN	44210	0305412-10
MNNW-01-SB-001-(7.0-7.5)	207-08-9	Benzo[k]fluoranthene	40	U	UG/KG	40	40	6/5/2003 13:37	SN	44193	0305412-09
MNNW-01-SB-002-(7.0-7.5)	207-08-9	Benzo[k]fluoranthene	35	U	UG/KG	35	35	6/5/2003 14:14	SN	44227	0305412-11
MNNW-01-SB-005-(1.5-2.0)	207-08-9	Benzo[k]fluoranthene	34	U	UG/KG	34	34	6/6/2003 11:41	SN	44244	0305412-12
MNNW-01-SB-005-(6.0-6.5)	207-08-9	Benzo[k]fluoranthene	34	U	UG/KG	34	34	6/6/2003 11:59	SN	44261	0305412-13
MNNW-01-SB-005-(6.5-7.0)	207-08-9	Benzo[k]fluoranthene	36	U	UG/KG	36	36	6/6/2003 12:18	SN	44278	0305412-14
NE50-01-SB-001-(1.0-1.5)	207-08-9	Benzo[k]fluoranthene	140	U	UG/KG	140	140	6/6/2003 13:46	SN	44363	0305412-18
NE50-01-SB-001-(1.0-1.5)RE	207-08-9	Benzo[k]fluoranthene	140	U	UG/KG	140	140	6/10/2003 8:19	SN	44380	0305412-18RE
NE50-01-SB-001-(5.0-5.5)	207-08-9	Benzo[k]fluoranthene	150	U	UG/KG	150	150	6/6/2003 14:05	SN	44397	0305412-19
NE50-01-SB-001-(5.0-5.5)DL	207-08-9	Benzo[k]fluoranthene	770	U	UG/KG	770	770	6/10/2003 10:52	SN	44414	0305412-19DL
NE50-01-SB-001-(7.5-8.0)	207-08-9	Benzo[k]fluoranthene	150	U	UG/KG	150	150	6/6/2003 14:43	SN	44431	0305412-20
NE50-01-SB-001-(7.5-8.0)DL	207-08-9	Benzo[k]fluoranthene	1500	U	UG/KG	1500	1500	6/10/2003 11:11	SN	44448	0305412-20DL
NW70-01-SB-001-(1.0-1.5)	207-08-9	Benzo[k]fluoranthene	34	U	UG/KG	34	34	6/5/2003 12:40	SN	44142	0305412-06
NW70-01-SB-001-(10.5-11.0)	207-08-9	Benzo[k]fluoranthene	36	U	UG/KG	36	36	6/5/2003 12:21	SN	44102	0305412-05
NW70-01-SB-001-(6.0-6.5)	207-08-9	Benzo[k]fluoranthene	34	U	UG/KG	34	34	6/5/2003 12:03	SN	44131	0305412-04
NW70-01-SB-004-(1.0-1.5)	207-08-9	Benzo[k]fluoranthene	34	U	UG/KG	34	34	6/5/2003 12:59	SN	44159	0305412-07
B060103MPNSLC	218-01-9	Chrysene	33	U	UG/KG	33	33	6/5/2003 7:09	SN	44463	B060103MPNSLC
DEAD-01-SB-001-(0.5-1.0)	218-01-9	Chrysene	42	U	UG/KG	42	42	6/5/2003 11:07	SN	44055	0305412-01
DEAD-01-SB-001-(3.5-4.0)	218-01-9	Chrysene	41	U	UG/KG	41	41	6/5/2003 11:25	SN	44072	0305412-02
DEAD-01-SB-001-(5.0-5.5)	218-01-9	Chrysene	41	U	UG/KG	41	41	6/5/2003 11:44	SN	44089	0305412-03
EC50-01-SB-001-(1.0-1.5)	218-01-9	Chrysene	130		UG/KG	39	39	6/6/2003 16:17	SN	44293	0305412-15
EC50-01-SB-001-(1.0-1.5)DL	218-01-9	Chrysene	170	D	UG/KG	160	160	6/6/2003 14:24	SN	44310	0305412-15DL
EC50-01-SB-001-(12.0-12.5)	218-01-9	Chrysene	43	U	UG/KG	43	43	6/6/2003 13:01	SN	44344	0305412-17
EC50-01-SB-001-(8.0-8.5)	218-01-9	Chrysene	160	U	UG/KG	160	160	6/6/2003 13:27	SN	44327	0305412-16
MNNW-01-SB-001-(1.5-2.0)	218-01-9	Chrysene	43	U	UG/KG	43	43	6/5/2003 13:18	SN	44174	0305412-08
MNNW-01-SB-001-(14.5-15.0)	218-01-9	Chrysene	37	U	UG/KG	37	37	6/5/2003 13:56	SN	44208	0305412-10
MNNW-01-SB-001-(7.0-7.5)	218-01-9	Chrysene	40	U	UG/KG	40	40	6/5/2003 13:37	SN	44191	0305412-09
MNNW-01-SB-002-(7.0-7.5)	218-01-9	Chrysene	35	U	UG/KG	35	35	6/5/2003 14:14	SN	44225	0305412-11
MNNW-01-SB-005-(1.5-2.0)	218-01-9	Chrysene	34	U	UG/KG	34	34	6/6/2003 11:41	SN	44242	0305412-12
MNNW-01-SB-005-(6.0-6.5)	218-01-9	Chrysene	34	U	UG/KG	34	34	6/6/2003 11:59	SN	44259	0305412-13
MNNW-01-SB-005-(6.5-7.0)	218-01-9	Chrysene	36	U	UG/KG	36	36	6/6/2003 12:18	SN	44276	0305412-14
NE50-01-SB-001-(1.0-1.5)	218-01-9	Chrysene	860		UG/KG	140	140	6/6/2003 13:46	SN	44361	0305412-18
NE50-01-SB-001-(1.0-1.5)RE	218-01-9	Chrysene	980		UG/KG	140	140	6/10/2003 8:19	SN	44378	0305412-18RE
NE50-01-SB-001-(5.0-5.5)	218-01-9	Chrysene	150	U	UG/KG	150	150	6/6/2003 14:05	SN	44395	0305412-19
NE50-01-SB-001-(5.0-5.5)DL	218-01-9	Chrysene	770	U	UG/KG	770	770	6/10/2003 10:52	SN	44412	0305412-19DL
NE50-01-SB-001-(7.5-8.0)	218-01-9	Chrysene	150	U	UG/KG	150	150	6/6/2003 14:43	SN	44429	0305412-20
NE50-01-SB-001-(7.5-8.0)DL	218-01-9	Chrysene	1500	U	UG/KG	1500	1500	6/10/2003 11:11	SN	44446	0305412-20DL
NW70-01-SB-001-(1.0-1.5)	218-01-9	Chrysene	34	U	UG/KG	34	34	6/5/2003 12:40	SN	44140	0305412-06
NW70-01-SB-001-(10.5-11.0)	218-01-9	Chrysene	36	U	UG/KG	36	36	6/5/2003 12:21	SN	44100	0305412-05
NW70-01-SB-001-(6.0-6.5)	218-01-9	Chrysene	34	U	UG/KG	34	34	6/5/2003 12:03	SN	44129	0305412-04

NW70-01-SB-004-(1.0-1.5)	218-01-9	Chrysene	34	U	UG/KG	34	34	6/5/2003 12:59	SN	44157	0305412-07
B060103MPNSLC	53-70-3	Dibenzo[a,h]anthracene	33	U	UG/KG	33	33	6/5/2003 7:09	SN	44468	B060103MPNSLC
DEAD-01-SB-001-(0.5-1.0)	53-70-3	Dibenzo[a,h]anthracene	42	U	UG/KG	42	42	6/5/2003 11:07	SN	44060	0305412-01
DEAD-01-SB-001-(3.5-4.0)	53-70-3	Dibenzo[a,h]anthracene	41	U	UG/KG	41	41	6/5/2003 11:25	SN	44077	0305412-02
DEAD-01-SB-001-(5.0-5.5)	53-70-3	Dibenzo[a,h]anthracene	41	U	UG/KG	41	41	6/5/2003 11:44	SN	44117	0305412-03
EC50-01-SB-001-(1.0-1.5)	53-70-3	Dibenzo[a,h]anthracene	39	U	UG/KG	39	39	6/6/2003 16:17	SN	44298	0305412-15
EC50-01-SB-001-(1.0-1.5)DL	53-70-3	Dibenzo[a,h]anthracene	160	U	UG/KG	160	160	6/6/2003 14:24	SN	44315	0305412-15DL
EC50-01-SB-001-(12.0-12.5)	53-70-3	Dibenzo[a,h]anthracene	43	U	UG/KG	43	43	6/6/2003 13:01	SN	44349	0305412-17
EC50-01-SB-001-(8.0-8.5)	53-70-3	Dibenzo[a,h]anthracene	160	U	UG/KG	160	160	6/6/2003 13:27	SN	44332	0305412-16
MNNW-01-SB-001-(1.5-2.0)	53-70-3	Dibenzo[a,h]anthracene	43	U	UG/KG	43	43	6/5/2003 13:18	SN	44179	0305412-08
MNNW-01-SB-001-(14.5-15.0)	53-70-3	Dibenzo[a,h]anthracene	37	U	UG/KG	37	37	6/5/2003 13:56	SN	44213	0305412-10
MNNW-01-SB-001-(7.0-7.5)	53-70-3	Dibenzo[a,h]anthracene	40	U	UG/KG	40	40	6/5/2003 13:37	SN	44196	0305412-09
MNNW-01-SB-002-(7.0-7.5)	53-70-3	Dibenzo[a,h]anthracene	35	U	UG/KG	35	35	6/5/2003 14:14	SN	44230	0305412-11
MNNW-01-SB-005-(1.5-2.0)	53-70-3	Dibenzo[a,h]anthracene	34	U	UG/KG	34	34	6/6/2003 11:41	SN	44247	0305412-12
MNNW-01-SB-005-(6.0-6.5)	53-70-3	Dibenzo[a,h]anthracene	34	U	UG/KG	34	34	6/6/2003 11:59	SN	44264	0305412-13
MNNW-01-SB-005-(6.5-7.0)	53-70-3	Dibenzo[a,h]anthracene	36	U	UG/KG	36	36	6/6/2003 12:18	SN	44281	0305412-14
NE50-01-SB-001-(1.0-1.5)	53-70-3	Dibenzo[a,h]anthracene	140	U	UG/KG	140	140	6/6/2003 13:46	SN	44366	0305412-18
NE50-01-SB-001-(1.0-1.5)RE	53-70-3	Dibenzo[a,h]anthracene	140	U	UG/KG	140	140	6/10/2003 8:19	SN	44383	0305412-18RE
NE50-01-SB-001-(5.0-5.5)	53-70-3	Dibenzo[a,h]anthracene	150	U	UG/KG	150	150	6/6/2003 14:05	SN	44400	0305412-19
NE50-01-SB-001-(5.0-5.5)DL	53-70-3	Dibenzo[a,h]anthracene	770	U	UG/KG	770	770	6/10/2003 10:52	SN	44417	0305412-19DL
NE50-01-SB-001-(7.5-8.0)	53-70-3	Dibenzo[a,h]anthracene	150	U	UG/KG	150	150	6/6/2003 14:43	SN	44434	0305412-20
NE50-01-SB-001-(7.5-8.0)DL	53-70-3	Dibenzo[a,h]anthracene	1500	U	UG/KG	1500	1500	6/10/2003 11:11	SN	44451	0305412-20DL
NW70-01-SB-001-(1.0-1.5)	53-70-3	Dibenzo[a,h]anthracene	34	U	UG/KG	34	34	6/5/2003 12:40	SN	44145	0305412-06
NW70-01-SB-001-(10.5-11.0)	53-70-3	Dibenzo[a,h]anthracene	36	U	UG/KG	36	36	6/5/2003 12:21	SN	44105	0305412-05
NW70-01-SB-001-(6.0-6.5)	53-70-3	Dibenzo[a,h]anthracene	34	U	UG/KG	34	34	6/5/2003 12:03	SN	44134	0305412-04
NW70-01-SB-004-(1.0-1.5)	53-70-3	Dibenzo[a,h]anthracene	34	U	UG/KG	34	34	6/5/2003 12:59	SN	44162	0305412-07
B060303GVOSK1	100-41-4	Ethyl Benzene	40	U	ug/Kg	40	20	6/4/2003 8:21	8X	44647	B060303GVOSK1
B060303GVOSK1RE	100-41-4	Ethyl Benzene	40	U	ug/Kg	40	20	6/5/2003 7:58	8X	44652	B060303GVOSK1RE
DEAD-01-SB-001-(0.5-1.0)	100-41-4	Ethyl Benzene	50	U	ug/Kg	50	25	6/4/2003 14:07	8X	44547	0305412-01
DEAD-01-SB-001-(3.5-4.0)	100-41-4	Ethyl Benzene	49	U	ug/Kg	49	25	6/4/2003 9:37	8X	44552	0305412-02
DEAD-01-SB-001-(5.0-5.5)	100-41-4	Ethyl Benzene	49	U	ug/Kg	49	25	6/4/2003 10:16	8X	44557	0305412-03
EC50-01-SB-001-(1.0-1.5)	100-41-4	Ethyl Benzene	47	U	ug/Kg	47	24	6/5/2003 17:04	8X	44617	0305412-15
EC50-01-SB-001-(12.0-12.5)	100-41-4	Ethyl Benzene	52	U	ug/Kg	52	26	6/5/2003 11:16	8X	44627	0305412-17
EC50-01-SB-001-(8.0-8.5)	100-41-4	Ethyl Benzene	47	U	ug/Kg	47	23	6/5/2003 13:12	8X	44622	0305412-16
MNNW-01-SB-001-(1.5-2.0)	100-41-4	Ethyl Benzene	51	U	ug/Kg	51	26	6/4/2003 18:36	8X	44582	0305412-08
MNNW-01-SB-001-(14.5-15.0)	100-41-4	Ethyl Benzene	45	U	ug/Kg	45	22	6/4/2003 19:53	8X	44592	0305412-10
MNNW-01-SB-001-(7.0-7.5)	100-41-4	Ethyl Benzene	48	U	ug/Kg	48	24	6/4/2003 19:15	8X	44587	0305412-09
MNNW-01-SB-002-(7.0-7.5)	100-41-4	Ethyl Benzene	42	U	ug/Kg	42	21	6/5/2003 10:37	8X	44597	0305412-11
MNNW-01-SB-005-(1.5-2.0)	100-41-4	Ethyl Benzene	41	U	ug/Kg	41	21	6/5/2003 15:08	8X	44602	0305412-12
MNNW-01-SB-005-(6.0-6.5)	100-41-4	Ethyl Benzene	41	U	ug/Kg	41	21	6/5/2003 15:46	8X	44607	0305412-13
MNNW-01-SB-005-(6.5-7.0)	100-41-4	Ethyl Benzene	43	U	ug/Kg	43	22	6/5/2003 17:43	8X	44612	0305412-14
NE50-01-SB-001-(1.0-1.5)	100-41-4	Ethyl Benzene	41	U	ug/Kg	41	20	6/5/2003 19:38	8X	44632	0305412-18
NE50-01-SB-001-(5.0-5.5)	100-41-4	Ethyl Benzene	92	U	ug/Kg	92	46	6/5/2003 11:54	8X	44637	0305412-19
NE50-01-SB-001-(7.5-8.0)	100-41-4	Ethyl Benzene	45	U	ug/Kg	45	23	6/5/2003 19:00	8X	44642	0305412-20
NW70-01-SB-001-(1.0-1.5)	100-41-4	Ethyl Benzene	40	U	ug/Kg	40	20	6/4/2003 17:19	8X	44572	0305412-06
NW70-01-SB-001-(10.5-11.0)	100-41-4	Ethyl Benzene	43	U	ug/Kg	43	22	6/4/2003 16:41	8X	44567	0305412-05
NW70-01-SB-001-(6.0-6.5)	100-41-4	Ethyl Benzene	41	U	ug/Kg	41	20	6/4/2003 16:02	8X	44562	0305412-04
NW70-01-SB-004-(1.0-1.5)	100-41-4	Ethyl Benzene	41	U	ug/Kg	41	21	6/4/2003 17:58	8X	44577	0305412-07
B060103MPNSLC	206-44-0	Fluoranthene	33	U	UG/KG	33	33	6/5/2003 7:09	SN	44461	B060103MPNSLC
DEAD-01-SB-001-(0.5-1.0)	206-44-0	Fluoranthene	42	U	UG/KG	42	42	6/5/2003 11:07	SN	44053	0305412-01
DEAD-01-SB-001-(3.5-4.0)	206-44-0	Fluoranthene	41	U	UG/KG	41	41	6/5/2003 11:25	SN	44070	0305412-02
DEAD-01-SB-001-(5.0-5.5)	206-44-0	Fluoranthene	41	U	UG/KG	41	41	6/5/2003 11:44	SN	44087	0305412-03
EC50-01-SB-001-(1.0-1.5)	206-44-0	Fluoranthene	39	U	UG/KG	39	39	6/6/2003 16:17	SN	44291	0305412-15

EC50-01-SB-001-(1.0-1.5)DL	206-44-0	Fluoranthene	160	U	UG/KG	160	160	6/6/2003 14:24	SN	44308	0305412-15DL
EC50-01-SB-001-(12.0-12.5)	206-44-0	Fluoranthene	43	U	UG/KG	43	43	6/6/2003 13:01	SN	44342	0305412-17
EC50-01-SB-001-(8.0-8.5)	206-44-0	Fluoranthene	160	U	UG/KG	160	160	6/6/2003 13:27	SN	44325	0305412-16
MNNW-01-SB-001-(1.5-2.0)	206-44-0	Fluoranthene	43	U	UG/KG	43	43	6/5/2003 13:18	SN	44172	0305412-08
MNNW-01-SB-001-(14.5-15.0)	206-44-0	Fluoranthene	37	U	UG/KG	37	37	6/5/2003 13:56	SN	44206	0305412-10
MNNW-01-SB-001-(7.0-7.5)	206-44-0	Fluoranthene	40	U	UG/KG	40	40	6/5/2003 13:37	SN	44189	0305412-09
MNNW-01-SB-002-(7.0-7.5)	206-44-0	Fluoranthene	35	U	UG/KG	35	35	6/5/2003 14:14	SN	44223	0305412-11
MNNW-01-SB-005-(1.5-2.0)	206-44-0	Fluoranthene	34	U	UG/KG	34	34	6/6/2003 11:41	SN	44240	0305412-12
MNNW-01-SB-005-(6.0-6.5)	206-44-0	Fluoranthene	34	U	UG/KG	34	34	6/6/2003 11:59	SN	44257	0305412-13
MNNW-01-SB-005-(6.5-7.0)	206-44-0	Fluoranthene	36	U	UG/KG	36	36	6/6/2003 12:18	SN	44274	0305412-14
NE50-01-SB-001-(1.0-1.5)	206-44-0	Fluoranthene	140	U	UG/KG	140	140	6/6/2003 13:46	SN	44359	0305412-18
NE50-01-SB-001-(1.0-1.5)RE	206-44-0	Fluoranthene	140	U	UG/KG	140	140	6/10/2003 8:19	SN	44376	0305412-18RE
NE50-01-SB-001-(5.0-5.5)	206-44-0	Fluoranthene	150	U	UG/KG	150	150	6/6/2003 14:05	SN	44393	0305412-19
NE50-01-SB-001-(5.0-5.5)DL	206-44-0	Fluoranthene	770	U	UG/KG	770	770	6/10/2003 10:52	SN	44410	0305412-19DL
NE50-01-SB-001-(7.5-8.0)	206-44-0	Fluoranthene	150	U	UG/KG	150	150	6/6/2003 14:43	SN	44427	0305412-20
NE50-01-SB-001-(7.5-8.0)DL	206-44-0	Fluoranthene	1500	U	UG/KG	1500	1500	6/10/2003 11:11	SN	44444	0305412-20DL
NW70-01-SB-001-(1.0-1.5)	206-44-0	Fluoranthene	34	U	UG/KG	34	34	6/5/2003 12:40	SN	44138	0305412-06
NW70-01-SB-001-(10.5-11.0)	206-44-0	Fluoranthene	36	U	UG/KG	36	36	6/5/2003 12:21	SN	44098	0305412-05
NW70-01-SB-001-(6.0-6.5)	206-44-0	Fluoranthene	34	U	UG/KG	34	34	6/5/2003 12:03	SN	44127	0305412-04
NW70-01-SB-004-(1.0-1.5)	206-44-0	Fluoranthene	34	U	UG/KG	34	34	6/5/2003 12:59	SN	44155	0305412-07
B060103MPNSLC	86-73-7	Fluorene	33	U	UG/KG	33	33	6/5/2003 7:09	SN	44458	B060103MPNSLC
DEAD-01-SB-001-(0.5-1.0)	86-73-7	Fluorene	42	U	UG/KG	42	42	6/5/2003 11:07	SN	44050	0305412-01
DEAD-01-SB-001-(3.5-4.0)	86-73-7	Fluorene	41	U	UG/KG	41	41	6/5/2003 11:25	SN	44067	0305412-02
DEAD-01-SB-001-(5.0-5.5)	86-73-7	Fluorene	41	U	UG/KG	41	41	6/5/2003 11:44	SN	44084	0305412-03
EC50-01-SB-001-(1.0-1.5)	86-73-7	Fluorene	39	U	UG/KG	39	39	6/6/2003 16:17	SN	44288	0305412-15
EC50-01-SB-001-(1.0-1.5)DL	86-73-7	Fluorene	160	U	UG/KG	160	160	6/6/2003 14:24	SN	44305	0305412-15DL
EC50-01-SB-001-(12.0-12.5)	86-73-7	Fluorene	43	U	UG/KG	43	43	6/6/2003 13:01	SN	44339	0305412-17
EC50-01-SB-001-(8.0-8.5)	86-73-7	Fluorene	160	U	UG/KG	160	160	6/6/2003 13:27	SN	44322	0305412-16
MNNW-01-SB-001-(1.5-2.0)	86-73-7	Fluorene	43	U	UG/KG	43	43	6/5/2003 13:18	SN	44169	0305412-08
MNNW-01-SB-001-(14.5-15.0)	86-73-7	Fluorene	37	U	UG/KG	37	37	6/5/2003 13:56	SN	44203	0305412-10
MNNW-01-SB-001-(7.0-7.5)	86-73-7	Fluorene	40	U	UG/KG	40	40	6/5/2003 13:37	SN	44186	0305412-09
MNNW-01-SB-002-(7.0-7.5)	86-73-7	Fluorene	35	U	UG/KG	35	35	6/5/2003 14:14	SN	44220	0305412-11
MNNW-01-SB-005-(1.5-2.0)	86-73-7	Fluorene	34	U	UG/KG	34	34	6/6/2003 11:41	SN	44237	0305412-12
MNNW-01-SB-005-(6.0-6.5)	86-73-7	Fluorene	34	U	UG/KG	34	34	6/6/2003 11:59	SN	44254	0305412-13
MNNW-01-SB-005-(6.5-7.0)	86-73-7	Fluorene	36	U	UG/KG	36	36	6/6/2003 12:18	SN	44271	0305412-14
NE50-01-SB-001-(1.0-1.5)	86-73-7	Fluorene	84	J	UG/KG	140	140	6/6/2003 13:46	SN	44356	0305412-18
NE50-01-SB-001-(1.0-1.5)RE	86-73-7	Fluorene	90	J	UG/KG	140	140	6/10/2003 8:19	SN	44373	0305412-18RE
NE50-01-SB-001-(5.0-5.5)	86-73-7	Fluorene	150	U	UG/KG	150	150	6/6/2003 14:05	SN	44390	0305412-19
NE50-01-SB-001-(5.0-5.5)DL	86-73-7	Fluorene	770	U	UG/KG	770	770	6/10/2003 10:52	SN	44407	0305412-19DL
NE50-01-SB-001-(7.5-8.0)	86-73-7	Fluorene	1100		UG/KG	150	150	6/6/2003 14:43	SN	44424	0305412-20
NE50-01-SB-001-(7.5-8.0)DL	86-73-7	Fluorene	2000	D	UG/KG	1500	1500	6/10/2003 11:11	SN	44441	0305412-20DL
NW70-01-SB-001-(1.0-1.5)	86-73-7	Fluorene	34	U	UG/KG	34	34	6/5/2003 12:40	SN	44112	0305412-06
NW70-01-SB-001-(10.5-11.0)	86-73-7	Fluorene	36	U	UG/KG	36	36	6/5/2003 12:21	SN	44095	0305412-05
NW70-01-SB-001-(6.0-6.5)	86-73-7	Fluorene	34	U	UG/KG	34	34	6/5/2003 12:03	SN	44124	0305412-04
NW70-01-SB-004-(1.0-1.5)	86-73-7	Fluorene	34	U	UG/KG	34	34	6/5/2003 12:59	SN	44152	0305412-07
B060103MPNSLC	193-39-5	Indeno[1,2,3-cd]pyrene	33	U	UG/KG	33	33	6/5/2003 7:09	SN	44467	B060103MPNSLC
DEAD-01-SB-001-(0.5-1.0)	193-39-5	Indeno[1,2,3-cd]pyrene	42	U	UG/KG	42	42	6/5/2003 11:07	SN	44059	0305412-01
DEAD-01-SB-001-(3.5-4.0)	193-39-5	Indeno[1,2,3-cd]pyrene	41	U	UG/KG	41	41	6/5/2003 11:25	SN	44076	0305412-02
DEAD-01-SB-001-(5.0-5.5)	193-39-5	Indeno[1,2,3-cd]pyrene	41	U	UG/KG	41	41	6/5/2003 11:44	SN	44116	0305412-03
EC50-01-SB-001-(1.0-1.5)	193-39-5	Indeno[1,2,3-cd]pyrene	39	U	UG/KG	39	39	6/6/2003 16:17	SN	44297	0305412-15
EC50-01-SB-001-(1.0-1.5)DL	193-39-5	Indeno[1,2,3-cd]pyrene	160	U	UG/KG	160	160	6/6/2003 14:24	SN	44314	0305412-15DL
EC50-01-SB-001-(12.0-12.5)	193-39-5	Indeno[1,2,3-cd]pyrene	43	U	UG/KG	43	43	6/6/2003 13:01	SN	44348	0305412-17
EC50-01-SB-001-(8.0-8.5)	193-39-5	Indeno[1,2,3-cd]pyrene	160	U	UG/KG	160	160	6/6/2003 13:27	SN	44331	0305412-16

MNNW-01-SB-001-(1.5-2.0)	193-39-5	Indeno[1,2,3-cd]pyrene	43	U	UG/KG	43	43	6/5/2003 13:18	SN	44178 0305412-08
MNNW-01-SB-001-(14.5-15.0)	193-39-5	Indeno[1,2,3-cd]pyrene	37	U	UG/KG	37	37	6/5/2003 13:56	SN	44212 0305412-10
MNNW-01-SB-001-(7.0-7.5)	193-39-5	Indeno[1,2,3-cd]pyrene	40	U	UG/KG	40	40	6/5/2003 13:37	SN	44195 0305412-09
MNNW-01-SB-002-(7.0-7.5)	193-39-5	Indeno[1,2,3-cd]pyrene	35	U	UG/KG	35	35	6/5/2003 14:14	SN	44229 0305412-11
MNNW-01-SB-005-(1.5-2.0)	193-39-5	Indeno[1,2,3-cd]pyrene	34	U	UG/KG	34	34	6/6/2003 11:41	SN	44246 0305412-12
MNNW-01-SB-005-(6.0-6.5)	193-39-5	Indeno[1,2,3-cd]pyrene	34	U	UG/KG	34	34	6/6/2003 11:59	SN	44263 0305412-13
MNNW-01-SB-005-(6.5-7.0)	193-39-5	Indeno[1,2,3-cd]pyrene	36	U	UG/KG	36	36	6/6/2003 12:18	SN	44280 0305412-14
NE50-01-SB-001-(1.0-1.5)	193-39-5	Indeno[1,2,3-cd]pyrene	140	U	UG/KG	140	140	6/6/2003 13:46	SN	44365 0305412-18
NE50-01-SB-001-(1.0-1.5)RE	193-39-5	Indeno[1,2,3-cd]pyrene	140	U	UG/KG	140	140	6/10/2003 8:19	SN	44382 0305412-18RE
NE50-01-SB-001-(5.0-5.5)	193-39-5	Indeno[1,2,3-cd]pyrene	150	U	UG/KG	150	150	6/6/2003 14:05	SN	44399 0305412-19
NE50-01-SB-001-(5.0-5.5)DL	193-39-5	Indeno[1,2,3-cd]pyrene	770	U	UG/KG	770	770	6/10/2003 10:52	SN	44416 0305412-19DL
NE50-01-SB-001-(7.5-8.0)	193-39-5	Indeno[1,2,3-cd]pyrene	150	U	UG/KG	150	150	6/6/2003 14:43	SN	44433 0305412-20
NE50-01-SB-001-(7.5-8.0)DL	193-39-5	Indeno[1,2,3-cd]pyrene	1500	U	UG/KG	1500	1500	6/10/2003 11:11	SN	44450 0305412-20DL
NW70-01-SB-001-(1.0-1.5)	193-39-5	Indeno[1,2,3-cd]pyrene	34	U	UG/KG	34	34	6/5/2003 12:40	SN	44144 0305412-06
NW70-01-SB-001-(10.5-11.0)	193-39-5	Indeno[1,2,3-cd]pyrene	36	U	UG/KG	36	36	6/5/2003 12:21	SN	44104 0305412-05
NW70-01-SB-001-(6.0-6.5)	193-39-5	Indeno[1,2,3-cd]pyrene	34	U	UG/KG	34	34	6/5/2003 12:03	SN	44133 0305412-04
NW70-01-SB-004-(1.0-1.5)	193-39-5	Indeno[1,2,3-cd]pyrene	34	U	UG/KG	34	34	6/5/2003 12:59	SN	44161 0305412-07
B060303GVOSK1	108-38-3	m,p-Xylene	80	U	ug/Kg	80	40	6/4/2003 8:21	8X	44648 B060303GVOSK1
B060303GVOSK1RE	108-38-3	m,p-Xylene	80	U	ug/Kg	80	40	6/5/2003 7:58	8X	44653 B060303GVOSK1RE
DEAD-01-SB-001-(0.5-1.0)	108-38-3	m,p-Xylene	100	U	ug/Kg	100	50	6/4/2003 14:07	8X	44548 0305412-01
DEAD-01-SB-001-(3.5-4.0)	108-38-3	m,p-Xylene	99	U	ug/Kg	99	49	6/4/2003 9:37	8X	44553 0305412-02
DEAD-01-SB-001-(5.0-5.5)	108-38-3	m,p-Xylene	99	U	ug/Kg	99	49	6/4/2003 10:16	8X	44558 0305412-03
EC50-01-SB-001-(1.0-1.5)	108-38-3	m,p-Xylene	94	U	ug/Kg	94	47	6/5/2003 17:04	8X	44618 0305412-15
EC50-01-SB-001-(12.0-12.5)	108-38-3	m,p-Xylene	100	U	ug/Kg	100	52	6/5/2003 11:16	8X	44628 0305412-17
EC50-01-SB-001-(8.0-8.5)	108-38-3	m,p-Xylene	93	U	ug/Kg	93	47	6/5/2003 13:12	8X	44623 0305412-16
MNNW-01-SB-001-(1.5-2.0)	108-38-3	m,p-Xylene	100	U	ug/Kg	100	51	6/4/2003 18:36	8X	44583 0305412-08
MNNW-01-SB-001-(14.5-15.0)	108-38-3	m,p-Xylene	90	U	ug/Kg	90	45	6/4/2003 19:53	8X	44593 0305412-10
MNNW-01-SB-001-(7.0-7.5)	108-38-3	m,p-Xylene	95	U	ug/Kg	95	48	6/4/2003 19:15	8X	44588 0305412-09
MNNW-01-SB-002-(7.0-7.5)	108-38-3	m,p-Xylene	83	U	ug/Kg	83	42	6/5/2003 10:37	8X	44598 0305412-11
MNNW-01-SB-005-(1.5-2.0)	108-38-3	m,p-Xylene	82	U	ug/Kg	82	41	6/5/2003 15:08	8X	44603 0305412-12
MNNW-01-SB-005-(6.0-6.5)	108-38-3	m,p-Xylene	82	U	ug/Kg	82	41	6/5/2003 15:46	8X	44608 0305412-13
MNNW-01-SB-005-(6.5-7.0)	108-38-3	m,p-Xylene	87	U	ug/Kg	87	43	6/5/2003 17:43	8X	44613 0305412-14
NE50-01-SB-001-(1.0-1.5)	108-38-3	m,p-Xylene	82	U	ug/Kg	82	41	6/5/2003 19:38	8X	44633 0305412-18
NE50-01-SB-001-(5.0-5.5)	108-38-3	m,p-Xylene	110	J	ug/Kg	180	92	6/5/2003 11:54	8X	44638 0305412-19
NE50-01-SB-001-(7.5-8.0)	108-38-3	m,p-Xylene	140		ug/Kg	91	45	6/5/2003 19:00	8X	44643 0305412-20
NW70-01-SB-001-(1.0-1.5)	108-38-3	m,p-Xylene	81	U	ug/Kg	81	40	6/4/2003 17:19	8X	44573 0305412-06
NW70-01-SB-001-(10.5-11.0)	108-38-3	m,p-Xylene	86	U	ug/Kg	86	43	6/4/2003 16:41	8X	44568 0305412-05
NW70-01-SB-001-(6.0-6.5)	108-38-3	m,p-Xylene	82	U	ug/Kg	82	41	6/4/2003 16:02	8X	44563 0305412-04
NW70-01-SB-004-(1.0-1.5)	108-38-3	m,p-Xylene	82	U	ug/Kg	82	41	6/4/2003 17:58	8X	44578 0305412-07
B060103MPNSLC	91-20-3	Naphthalene	33	U	UG/KG	33	33	6/5/2003 7:09	SN	44454 B060103MPNSLC
DEAD-01-SB-001-(0.5-1.0)	91-20-3	Naphthalene	42	U	UG/KG	42	42	6/5/2003 11:07	SN	44046 0305412-01
DEAD-01-SB-001-(3.5-4.0)	91-20-3	Naphthalene	41	U	UG/KG	41	41	6/5/2003 11:25	SN	44063 0305412-02
DEAD-01-SB-001-(5.0-5.5)	91-20-3	Naphthalene	41	U	UG/KG	41	41	6/5/2003 11:44	SN	44080 0305412-03
EC50-01-SB-001-(1.0-1.5)	91-20-3	Naphthalene	39	U	UG/KG	39	39	6/6/2003 16:17	SN	44284 0305412-15
EC50-01-SB-001-(1.0-1.5)DL	91-20-3	Naphthalene	160	U	UG/KG	160	160	6/6/2003 14:24	SN	44301 0305412-15DL
EC50-01-SB-001-(12.0-12.5)	91-20-3	Naphthalene	43	U	UG/KG	43	43	6/6/2003 13:01	SN	44335 0305412-17
EC50-01-SB-001-(8.0-8.5)	91-20-3	Naphthalene	160	U	UG/KG	160	160	6/6/2003 13:27	SN	44318 0305412-16
MNNW-01-SB-001-(1.5-2.0)	91-20-3	Naphthalene	43	U	UG/KG	43	43	6/5/2003 13:18	SN	44165 0305412-08
MNNW-01-SB-001-(14.5-15.0)	91-20-3	Naphthalene	37	U	UG/KG	37	37	6/5/2003 13:56	SN	44199 0305412-10
MNNW-01-SB-001-(7.0-7.5)	91-20-3	Naphthalene	40	U	UG/KG	40	40	6/5/2003 13:37	SN	44182 0305412-09
MNNW-01-SB-002-(7.0-7.5)	91-20-3	Naphthalene	35	U	UG/KG	35	35	6/5/2003 14:14	SN	44216 0305412-11
MNNW-01-SB-005-(1.5-2.0)	91-20-3	Naphthalene	34	U	UG/KG	34	34	6/6/2003 11:41	SN	44233 0305412-12
MNNW-01-SB-005-(6.0-6.5)	91-20-3	Naphthalene	34	U	UG/KG	34	34	6/6/2003 11:59	SN	44250 0305412-13

MNNW-01-SB-005-(6.5-7.0)	91-20-3	Naphthalene	36	U	UG/KG	36	36	6/6/2003 12:18	SN	44267	0305412-14
NE50-01-SB-001-(1.0-1.5)	91-20-3	Naphthalene	140	U	UG/KG	140	140	6/6/2003 13:46	SN	44352	0305412-18
NE50-01-SB-001-(1.0-1.5)RE	91-20-3	Naphthalene	140	U	UG/KG	140	140	6/10/2003 8:19	SN	44369	0305412-18RE
NE50-01-SB-001-(5.0-5.5)	91-20-3	Naphthalene	3100		UG/KG	150	150	6/6/2003 14:05	SN	44386	0305412-19
NE50-01-SB-001-(5.0-5.5)DL	91-20-3	Naphthalene	3100	D	UG/KG	770	770	6/10/2003 10:52	SN	44403	0305412-19DL
NE50-01-SB-001-(7.5-8.0)	91-20-3	Naphthalene	13000	E	UG/KG	150	150	6/6/2003 14:43	SN	44420	0305412-20
NE50-01-SB-001-(7.5-8.0)DL	91-20-3	Naphthalene	12000	D	UG/KG	1500	1500	6/10/2003 11:11	SN	44437	0305412-20DL
NW70-01-SB-001-(1.0-1.5)	91-20-3	Naphthalene	34	U	UG/KG	34	34	6/5/2003 12:40	SN	44108	0305412-06
NW70-01-SB-001-(10.5-11.0)	91-20-3	Naphthalene	36	U	UG/KG	36	36	6/5/2003 12:21	SN	44091	0305412-05
NW70-01-SB-001-(6.0-6.5)	91-20-3	Naphthalene	34	U	UG/KG	34	34	6/5/2003 12:03	SN	44120	0305412-04
NW70-01-SB-004-(1.0-1.5)	91-20-3	Naphthalene	34	U	UG/KG	34	34	6/5/2003 12:59	SN	44148	0305412-07
B060303GVOSK1	95-47-6	o-Xylene	40	U	ug/Kg	40	20	6/4/2003 8:21	8X	44649	B060303GVOSK1
B060303GVOSK1RE	95-47-6	o-Xylene	40	U	ug/Kg	40	20	6/5/2003 7:58	8X	44654	B060303GVOSK1RE
DEAD-01-SB-001-(0.5-1.0)	95-47-6	o-Xylene	50	U	ug/Kg	50	25	6/4/2003 14:07	8X	44549	0305412-01
DEAD-01-SB-001-(3.5-4.0)	95-47-6	o-Xylene	49	U	ug/Kg	49	25	6/4/2003 9:37	8X	44554	0305412-02
DEAD-01-SB-001-(5.0-5.5)	95-47-6	o-Xylene	49	U	ug/Kg	49	25	6/4/2003 10:16	8X	44559	0305412-03
EC50-01-SB-001-(1.0-1.5)	95-47-6	o-Xylene	47	U	ug/Kg	47	24	6/5/2003 17:04	8X	44619	0305412-15
EC50-01-SB-001-(12.0-12.5)	95-47-6	o-Xylene	52	U	ug/Kg	52	26	6/5/2003 11:16	8X	44629	0305412-17
EC50-01-SB-001-(8.0-8.5)	95-47-6	o-Xylene	47	U	ug/Kg	47	23	6/5/2003 13:12	8X	44624	0305412-16
MNNW-01-SB-001-(1.5-2.0)	95-47-6	o-Xylene	51	U	ug/Kg	51	26	6/4/2003 18:36	8X	44584	0305412-08
MNNW-01-SB-001-(14.5-15.0)	95-47-6	o-Xylene	45	U	ug/Kg	45	22	6/4/2003 19:53	8X	44594	0305412-10
MNNW-01-SB-001-(7.0-7.5)	95-47-6	o-Xylene	48	U	ug/Kg	48	24	6/4/2003 19:15	8X	44589	0305412-09
MNNW-01-SB-002-(7.0-7.5)	95-47-6	o-Xylene	42	U	ug/Kg	42	21	6/5/2003 10:37	8X	44599	0305412-11
MNNW-01-SB-005-(1.5-2.0)	95-47-6	o-Xylene	41	U	ug/Kg	41	21	6/5/2003 15:08	8X	44604	0305412-12
MNNW-01-SB-005-(6.0-6.5)	95-47-6	o-Xylene	41	U	ug/Kg	41	21	6/5/2003 15:46	8X	44609	0305412-13
MNNW-01-SB-005-(6.5-7.0)	95-47-6	o-Xylene	43	U	ug/Kg	43	22	6/5/2003 17:43	8X	44614	0305412-14
NE50-01-SB-001-(1.0-1.5)	95-47-6	o-Xylene	41	U	ug/Kg	41	20	6/5/2003 19:38	8X	44634	0305412-18
NE50-01-SB-001-(5.0-5.5)	95-47-6	o-Xylene	140	P	ug/Kg	92	46	6/5/2003 11:54	8X	44639	0305412-19
NE50-01-SB-001-(7.5-8.0)	95-47-6	o-Xylene	170		ug/Kg	45	23	6/5/2003 19:00	8X	44644	0305412-20
NW70-01-SB-001-(1.0-1.5)	95-47-6	o-Xylene	40	U	ug/Kg	40	20	6/4/2003 17:19	8X	44574	0305412-06
NW70-01-SB-001-(10.5-11.0)	95-47-6	o-Xylene	43	U	ug/Kg	43	22	6/4/2003 16:41	8X	44569	0305412-05
NW70-01-SB-001-(6.0-6.5)	95-47-6	o-Xylene	41	U	ug/Kg	41	20	6/4/2003 16:02	8X	44564	0305412-04
NW70-01-SB-004-(1.0-1.5)	95-47-6	o-Xylene	41	U	ug/Kg	41	21	6/4/2003 17:58	8X	44579	0305412-07
B060103MPNSLC	85-01-8	Phenanthrene	33	U	UG/KG	33	33	6/5/2003 7:09	SN	44459	B060103MPNSLC
DEAD-01-SB-001-(0.5-1.0)	85-01-8	Phenanthrene	42	U	UG/KG	42	42	6/5/2003 11:07	SN	44051	0305412-01
DEAD-01-SB-001-(3.5-4.0)	85-01-8	Phenanthrene	41	U	UG/KG	41	41	6/5/2003 11:25	SN	44068	0305412-02
DEAD-01-SB-001-(5.0-5.5)	85-01-8	Phenanthrene	41	U	UG/KG	41	41	6/5/2003 11:44	SN	44085	0305412-03
EC50-01-SB-001-(1.0-1.5)	85-01-8	Phenanthrene	39	U	UG/KG	39	39	6/6/2003 16:17	SN	44289	0305412-15
EC50-01-SB-001-(1.0-1.5)DL	85-01-8	Phenanthrene	160	U	UG/KG	160	160	6/6/2003 14:24	SN	44306	0305412-15DL
EC50-01-SB-001-(12.0-12.5)	85-01-8	Phenanthrene	43	U	UG/KG	43	43	6/6/2003 13:01	SN	44340	0305412-17
EC50-01-SB-001-(8.0-8.5)	85-01-8	Phenanthrene	2200		UG/KG	160	160	6/6/2003 13:27	SN	44323	0305412-16
MNNW-01-SB-001-(1.5-2.0)	85-01-8	Phenanthrene	43	U	UG/KG	43	43	6/5/2003 13:18	SN	44170	0305412-08
MNNW-01-SB-001-(14.5-15.0)	85-01-8	Phenanthrene	37	U	UG/KG	37	37	6/5/2003 13:56	SN	44204	0305412-10
MNNW-01-SB-001-(7.0-7.5)	85-01-8	Phenanthrene	40	U	UG/KG	40	40	6/5/2003 13:37	SN	44187	0305412-09
MNNW-01-SB-002-(7.0-7.5)	85-01-8	Phenanthrene	35	U	UG/KG	35	35	6/5/2003 14:14	SN	44221	0305412-11
MNNW-01-SB-005-(1.5-2.0)	85-01-8	Phenanthrene	34	U	UG/KG	34	34	6/6/2003 11:41	SN	44238	0305412-12
MNNW-01-SB-005-(6.0-6.5)	85-01-8	Phenanthrene	34	U	UG/KG	34	34	6/6/2003 11:59	SN	44255	0305412-13
MNNW-01-SB-005-(6.5-7.0)	85-01-8	Phenanthrene	36	U	UG/KG	36	36	6/6/2003 12:18	SN	44272	0305412-14
NE50-01-SB-001-(1.0-1.5)	85-01-8	Phenanthrene	93	J	UG/KG	140	140	6/6/2003 13:46	SN	44357	0305412-18
NE50-01-SB-001-(1.0-1.5)RE	85-01-8	Phenanthrene	91	J	UG/KG	140	140	6/10/2003 8:19	SN	44374	0305412-18RE
NE50-01-SB-001-(5.0-5.5)	85-01-8	Phenanthrene	5200		UG/KG	150	150	6/6/2003 14:05	SN	44391	0305412-19
NE50-01-SB-001-(5.0-5.5)DL	85-01-8	Phenanthrene	6000	D	UG/KG	770	770	6/10/2003 10:52	SN	44408	0305412-19DL
NE50-01-SB-001-(7.5-8.0)	85-01-8	Phenanthrene	9100		UG/KG	150	150	6/6/2003 14:43	SN	44425	0305412-20

NE50-01-SB-001-(7.5-8.0)DL	85-01-8	Phenanthrene	11000	D	UG/KG	1500	1500	6/10/2003 11:11	SN	44442	0305412-20DL
NW70-01-SB-001-(1.0-1.5)	85-01-8	Phenanthrene	34	U	UG/KG	34	34	6/5/2003 12:40	SN	44113	0305412-06
NW70-01-SB-001-(10.5-11.0)	85-01-8	Phenanthrene	36	U	UG/KG	36	36	6/5/2003 12:21	SN	44096	0305412-05
NW70-01-SB-001-(6.0-6.5)	85-01-8	Phenanthrene	34	U	UG/KG	34	34	6/5/2003 12:03	SN	44125	0305412-04
NW70-01-SB-004-(1.0-1.5)	85-01-8	Phenanthrene	34	U	UG/KG	34	34	6/5/2003 12:59	SN	44153	0305412-07
B060103MPNSLC	129-00-0	Pyrene	33	U	UG/KG	33	33	6/5/2003 7:09	SN	44453	B060103MPNSLC
DEAD-01-SB-001-(0.5-1.0)	129-00-0	Pyrene	42	U	UG/KG	42	42	6/5/2003 11:07	SN	44045	0305412-01
DEAD-01-SB-001-(3.5-4.0)	129-00-0	Pyrene	41	U	UG/KG	41	41	6/5/2003 11:25	SN	44062	0305412-02
DEAD-01-SB-001-(5.0-5.5)	129-00-0	Pyrene	41	U	UG/KG	41	41	6/5/2003 11:44	SN	44079	0305412-03
EC50-01-SB-001-(1.0-1.5)	129-00-0	Pyrene	810		UG/KG	39	39	6/6/2003 16:17	SN	44283	0305412-15
EC50-01-SB-001-(1.0-1.5)DL	129-00-0	Pyrene	950	D	UG/KG	160	160	6/6/2003 14:24	SN	44300	0305412-15DL
EC50-01-SB-001-(12.0-12.5)	129-00-0	Pyrene	43	U	UG/KG	43	43	6/6/2003 13:01	SN	44334	0305412-17
EC50-01-SB-001-(8.0-8.5)	129-00-0	Pyrene	140	J	UG/KG	160	160	6/6/2003 13:27	SN	44317	0305412-16
MNNW-01-SB-001-(1.5-2.0)	129-00-0	Pyrene	43	U	UG/KG	43	43	6/5/2003 13:18	SN	44164	0305412-08
MNNW-01-SB-001-(14.5-15.0)	129-00-0	Pyrene	37	U	UG/KG	37	37	6/5/2003 13:56	SN	44198	0305412-10
MNNW-01-SB-001-(7.0-7.5)	129-00-0	Pyrene	40	U	UG/KG	40	40	6/5/2003 13:37	SN	44181	0305412-09
MNNW-01-SB-002-(7.0-7.5)	129-00-0	Pyrene	35	U	UG/KG	35	35	6/5/2003 14:14	SN	44215	0305412-11
MNNW-01-SB-005-(1.5-2.0)	129-00-0	Pyrene	34	U	UG/KG	34	34	6/6/2003 11:41	SN	44232	0305412-12
MNNW-01-SB-005-(6.0-6.5)	129-00-0	Pyrene	34	U	UG/KG	34	34	6/6/2003 11:59	SN	44249	0305412-13
MNNW-01-SB-005-(6.5-7.0)	129-00-0	Pyrene	36	U	UG/KG	36	36	6/6/2003 12:18	SN	44266	0305412-14
NE50-01-SB-001-(1.0-1.5)	129-00-0	Pyrene	91	J	UG/KG	140	140	6/6/2003 13:46	SN	44351	0305412-18
NE50-01-SB-001-(1.0-1.5)RE	129-00-0	Pyrene	90	J	UG/KG	140	140	6/10/2003 8:19	SN	44368	0305412-18RE
NE50-01-SB-001-(5.0-5.5)	129-00-0	Pyrene	150	U	UG/KG	150	150	6/6/2003 14:05	SN	44385	0305412-19
NE50-01-SB-001-(5.0-5.5)DL	129-00-0	Pyrene	770	U	UG/KG	770	770	6/10/2003 10:52	SN	44402	0305412-19DL
NE50-01-SB-001-(7.5-8.0)	129-00-0	Pyrene	130	J	UG/KG	150	150	6/6/2003 14:43	SN	44419	0305412-20
NE50-01-SB-001-(7.5-8.0)DL	129-00-0	Pyrene	1500	U	UG/KG	1500	1500	6/10/2003 11:11	SN	44436	0305412-20DL
NW70-01-SB-001-(1.0-1.5)	129-00-0	Pyrene	34	U	UG/KG	34	34	6/5/2003 12:40	SN	44107	0305412-06
NW70-01-SB-001-(10.5-11.0)	129-00-0	Pyrene	36	U	UG/KG	36	36	6/5/2003 12:21	SN	44136	0305412-05
NW70-01-SB-001-(6.0-6.5)	129-00-0	Pyrene	34	U	UG/KG	34	34	6/5/2003 12:03	SN	44119	0305412-04
NW70-01-SB-004-(1.0-1.5)	129-00-0	Pyrene	34	U	UG/KG	34	34	6/5/2003 12:59	SN	44147	0305412-07
B060303GVOSK1	108-88-3	Toluene	60	U	ug/Kg	60	30	6/4/2003 8:21	8X	44646	B060303GVOSK1
B060303GVOSK1RE	108-88-3	Toluene	60	U	ug/Kg	60	30	6/5/2003 7:58	8X	44651	B060303GVOSK1RE
DEAD-01-SB-001-(0.5-1.0)	108-88-3	Toluene	75	U	ug/Kg	75	38	6/4/2003 14:07	8X	44546	0305412-01
DEAD-01-SB-001-(3.5-4.0)	108-88-3	Toluene	74	U	ug/Kg	74	37	6/4/2003 9:37	8X	44551	0305412-02
DEAD-01-SB-001-(5.0-5.5)	108-88-3	Toluene	74	U	ug/Kg	74	37	6/4/2003 10:16	8X	44556	0305412-03
EC50-01-SB-001-(1.0-1.5)	108-88-3	Toluene	71	U	ug/Kg	71	35	6/5/2003 17:04	8X	44616	0305412-15
EC50-01-SB-001-(12.0-12.5)	108-88-3	Toluene	78	U	ug/Kg	78	39	6/5/2003 11:16	8X	44626	0305412-17
EC50-01-SB-001-(8.0-8.5)	108-88-3	Toluene	70	U	ug/Kg	70	35	6/5/2003 13:12	8X	44621	0305412-16
MNNW-01-SB-001-(1.5-2.0)	108-88-3	Toluene	77	U	ug/Kg	77	38	6/4/2003 18:36	8X	44581	0305412-08
MNNW-01-SB-001-(14.5-15.0)	108-88-3	Toluene	67	U	ug/Kg	67	34	6/4/2003 19:53	8X	44591	0305412-10
MNNW-01-SB-001-(7.0-7.5)	108-88-3	Toluene	71	U	ug/Kg	71	36	6/4/2003 19:15	8X	44586	0305412-09
MNNW-01-SB-002-(7.0-7.5)	108-88-3	Toluene	62	U	ug/Kg	62	31	6/5/2003 10:37	8X	44596	0305412-11
MNNW-01-SB-005-(1.5-2.0)	108-88-3	Toluene	62	U	ug/Kg	62	31	6/5/2003 15:08	8X	44601	0305412-12
MNNW-01-SB-005-(6.0-6.5)	108-88-3	Toluene	62	U	ug/Kg	62	31	6/5/2003 15:46	8X	44606	0305412-13
MNNW-01-SB-005-(6.5-7.0)	108-88-3	Toluene	65	U	ug/Kg	65	33	6/5/2003 17:43	8X	44611	0305412-14
NE50-01-SB-001-(1.0-1.5)	108-88-3	Toluene	61	U	ug/Kg	61	31	6/5/2003 19:38	8X	44631	0305412-18
NE50-01-SB-001-(5.0-5.5)	108-88-3	Toluene	140	U	ug/Kg	140	69	6/5/2003 11:54	8X	44636	0305412-19
NE50-01-SB-001-(7.5-8.0)	108-88-3	Toluene	68	U	ug/Kg	68	34	6/5/2003 19:00	8X	44641	0305412-20
NW70-01-SB-001-(1.0-1.5)	108-88-3	Toluene	61	U	ug/Kg	61	30	6/4/2003 17:19	8X	44571	0305412-06
NW70-01-SB-001-(10.5-11.0)	108-88-3	Toluene	65	U	ug/Kg	65	32	6/4/2003 16:41	8X	44566	0305412-05
NW70-01-SB-001-(6.0-6.5)	108-88-3	Toluene	61	U	ug/Kg	61	31	6/4/2003 16:02	8X	44561	0305412-04
NW70-01-SB-004-(1.0-1.5)	108-88-3	Toluene	62	U	ug/Kg	62	31	6/4/2003 17:58	8X	44576	0305412-07

fs_Sample_ID_Client	fs_CAS_Number	fs_Analyte	ff_Result	fs_Flag	fs_Units	ff_PQL	ff_SDL	ft_Date_Analysis	fs_Fraction	bwk_Resul	fs_Sample_ID_Lab
B060103GSVSLC	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/4/2003 15:55	T8	42761	B060103GSVSLC
DEAD-01-SB-002-(0.5-1.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/4/2003 17:10	T8	42765	0305410-01
DEAD-01-SB-002-(3.5-4.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/4/2003 17:47	T8	42769	0305410-02
DEAD-01-SB-002-(5.0-5.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/4/2003 18:25	T8	42773	0305410-03
DEAD-01-SB-003-(0.5-1.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/4/2003 19:02	T8	42777	0305410-04
DEAD-01-SB-003-(3.5-4.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/4/2003 19:40	T8	42781	0305410-05
DEAD-01-SB-003-(5.0-5.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/4/2003 20:17	T8	42785	0305410-06
DEAD-01-SB-004-(0.5-1.0)	68334-30-5	Diesel Range Organics (C12-C24)	13	U	mg/Kg	13	13	6/4/2003 23:26	T8	42789	0305410-07
DEAD-01-SB-004-(3.5-4.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/5/2003 0:03	T8	42793	0305410-08
DEAD-01-SB-004-(6.0-6.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/5/2003 0:41	T8	42797	0305410-09
DEAD-01-SB-102-(5.0-5.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/5/2003 1:19	T8	42801	0305410-10
MNNW-01-SB-002-(11.0-11.5)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/5/2003 9:29	T8	42837	0305410-19
MNNW-01-SB-002-(9.0-9.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/5/2003 8:51	T8	42833	0305410-18
MNNW-01-SB-003-(6.5-7.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/5/2003 10:06	T8	42841	0305410-20
NW70-01-SB-002-(10.5-11.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/5/2003 3:12	T8	42813	0305410-13
NW70-01-SB-002-(3.5-4.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/5/2003 1:56	T8	42805	0305410-11
NW70-01-SB-002-(7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/5/2003 2:34	T8	42809	0305410-12
NW70-01-SB-003-(0.5-1.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/5/2003 3:50	T8	42817	0305410-14
NW70-01-SB-003-(2.5-3.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/5/2003 6:58	T8	42821	0305410-15
NW70-01-SB-004-(5.5-6.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/5/2003 7:36	T8	42825	0305410-16
NW70-01-SB-102-(3.5-4.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/5/2003 8:13	T8	42829	0305410-17
B060103GSVSLC	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/4/2003 15:55	T8	42762	B060103GSVSLC
DEAD-01-SB-002-(0.5-1.0)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/4/2003 17:10	T8	42766	0305410-01
DEAD-01-SB-002-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/4/2003 17:47	T8	42770	0305410-02
DEAD-01-SB-002-(5.0-5.5)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/4/2003 18:25	T8	42774	0305410-03
DEAD-01-SB-003-(0.5-1.0)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/4/2003 19:02	T8	42778	0305410-04
DEAD-01-SB-003-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/4/2003 19:40	T8	42782	0305410-05
DEAD-01-SB-003-(5.0-5.5)	IT15-49-4	Oil Range Organics (C24-C40)	300		mg/Kg	49	49	6/4/2003 20:17	T8	42786	0305410-06
DEAD-01-SB-004-(0.5-1.0)	IT15-49-4	Oil Range Organics (C24-C40)	51	U	mg/Kg	51	51	6/4/2003 23:26	T8	42790	0305410-07
DEAD-01-SB-004-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	50	U	mg/Kg	50	50	6/5/2003 0:03	T8	42794	0305410-08
DEAD-01-SB-004-(6.0-6.5)	IT15-49-4	Oil Range Organics (C24-C40)	50	U	mg/Kg	50	50	6/5/2003 0:41	T8	42798	0305410-09
DEAD-01-SB-102-(5.0-5.5)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/5/2003 1:19	T8	42802	0305410-10
MNNW-01-SB-002-(11.0-11.5)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/5/2003 9:29	T8	42838	0305410-19
MNNW-01-SB-002-(9.0-9.5)	IT15-49-4	Oil Range Organics (C24-C40)	47	U	mg/Kg	47	47	6/5/2003 8:51	T8	42834	0305410-18
MNNW-01-SB-003-(6.5-7.0)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/5/2003 10:06	T8	42842	0305410-20
NW70-01-SB-002-(10.5-11.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/5/2003 3:12	T8	42814	0305410-13
NW70-01-SB-002-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/5/2003 1:56	T8	42806	0305410-11
NW70-01-SB-002-(7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/5/2003 2:34	T8	42810	0305410-12
NW70-01-SB-003-(0.5-1.0)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/5/2003 3:50	T8	42818	0305410-14
NW70-01-SB-003-(2.5-3.0)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/5/2003 6:58	T8	42822	0305410-15
NW70-01-SB-004-(5.5-6.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/5/2003 7:36	T8	42826	0305410-16
NW70-01-SB-102-(3.5-4.0)	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/5/2003 8:13	T8	42830	0305410-17

fs_Sample_ID_Client	fs_CAS_Number	fs_Analyte	ff_Result	fs_Flag	fs_Units	ff_PQL	ff_SDL	ft_Date_Analysis	fs_Fraction	bwk_Result_Id	fs_Sample_ID_Lab
B052803GSVSLC	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/2/2003 7:57	T8	42709	B052803GSVSLC
B052803GSVSLC2	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/4/2003 8:24	T8	42751	B052803GSVSLC2
CWAN-01-SB-001 (12.5-13.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/2/2003 11:42	T8	42713	0305351-03
CWAN-01-SB-001 (2.5-3.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	11000	D	mg/Kg	2300	2300	6/3/2003 7:14	T8	42745	0305351-01DL
CWAN-01-SB-001 (7.5-8.0)DL	68334-30-5	Diesel Range Organics (C12-C24)	11000	D	mg/Kg	2400	2400	6/3/2003 9:07	T8	42746	0305351-02DL
CWAN-01-SB-002 (12.0-12.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/2/2003 15:27	T8	42717	0305351-05
CWAN-01-SB-002 (13.5-14.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/2/2003 16:05	T8	42719	0305351-06
CWAN-01-SB-002 (2.5-3.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/2/2003 12:20	T8	42715	0305351-04
CWAN-01-SB-003 (12.5-13.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/2/2003 17:57	T8	42724	0305351-09
CWAN-01-SB-003 (2.0-2.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/2/2003 16:42	T8	42721	0305351-07
CWAN-01-SB-003 (5.0-5.5)DL	68334-30-5	Diesel Range Organics (C12-C24)	6400	D	mg/Kg	570	570	6/3/2003 9:44	T8	42747	0305351-08DL
CWAN-01-SB-004 (11.0-11.5)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/2/2003 19:49	T8	42730	0305351-12
CWAN-01-SB-004 (2.5-3.0)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/2/2003 18:34	T8	42726	0305351-10
CWAN-01-SB-004 (7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/2/2003 19:12	T8	42728	0305351-11
RAM0-01-SB-001 (14.5-15.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/4/2003 9:39	T8	42753	0305351-21
RAM0-01-SB-001 (4.0-4.5)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/3/2003 2:43	T8	42739	0305351-19
RAM0-01-SB-001 (9.0-9.5)	68334-30-5	Diesel Range Organics (C12-C24)	11	U	mg/Kg	11	11	6/3/2003 3:20	T8	42741	0305351-20
RAM0-01-SB-002 (10.0-10.5)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/4/2003 12:10	T8	42757	0305351-23
RAM0-01-SB-002 (14.5-15.0)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/4/2003 12:47	T8	42759	0305351-24
RAM0-01-SB-002 (4.0-4.5)	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	6/4/2003 11:32	T8	42755	0305351-22
SE50-01-SB-001 (1.0-1.5)DL	68334-30-5	Diesel Range Organics (C12-C24)	13000	D	mg/Kg	1200	1200	6/3/2003 10:22	T8	42748	0305351-13DL
SE50-01-SB-001 (15.5-16.0)	68334-30-5	Diesel Range Organics (C12-C24)	13	U	mg/Kg	13	13	6/3/2003 6:28	T8	42743	0305351-15
SE50-01-SB-001(13.0-13.5)D	68334-30-5	Diesel Range Organics (C12-C24)	26000	D	mg/Kg	7100	7100	6/3/2003 11:00	T8	42749	0305351-14DL
SE50-01-SB-002 (1.0-1.5)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/3/2003 0:50	T8	42734	0305351-16
SE50-01-SB-002 (7.5-8.0)	68334-30-5	Diesel Range Organics (C12-C24)	12	U	mg/Kg	12	12	6/3/2003 1:28	T8	42736	0305351-17
SE50-01-SB-101 (1.0-1.5)DL	68334-30-5	Diesel Range Organics (C12-C24)	8800	D	mg/Kg	1200	1200	6/3/2003 11:37	T8	42750	0305351-18DL
B052803GSVSLC	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/2/2003 7:57	T8	42710	B052803GSVSLC
B052803GSVSLC2	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	6/4/2003 8:24	T8	42752	B052803GSVSLC2
CWAN-01-SB-001 (12.5-13.0)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/2/2003 11:42	T8	42714	0305351-03
CWAN-01-SB-001 (2.5-3.0)	IT15-49-4	Oil Range Organics (C24-C40)	230		mg/Kg	47	47	6/2/2003 9:12	T8	42711	0305351-01
CWAN-01-SB-001 (7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	190		mg/Kg	48	48	6/2/2003 11:05	T8	42712	0305351-02
CWAN-01-SB-002 (12.0-12.5)	IT15-49-4	Oil Range Organics (C24-C40)	47	U	mg/Kg	47	47	6/2/2003 15:27	T8	42718	0305351-05
CWAN-01-SB-002 (13.5-14.0)	IT15-49-4	Oil Range Organics (C24-C40)	49	U	mg/Kg	49	49	6/2/2003 16:05	T8	42720	0305351-06
CWAN-01-SB-002 (2.5-3.0)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/2/2003 12:20	T8	42716	0305351-04
CWAN-01-SB-003 (12.5-13.0)	IT15-49-4	Oil Range Organics (C24-C40)	47	U	mg/Kg	47	47	6/2/2003 17:57	T8	42725	0305351-09
CWAN-01-SB-003 (2.0-2.5)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/2/2003 16:42	T8	42722	0305351-07
CWAN-01-SB-003 (5.0-5.5)	IT15-49-4	Oil Range Organics (C24-C40)	89		mg/Kg	45	45	6/2/2003 17:20	T8	42723	0305351-08
CWAN-01-SB-004 (11.0-11.5)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/2/2003 19:49	T8	42731	0305351-12
CWAN-01-SB-004 (2.5-3.0)	IT15-49-4	Oil Range Organics (C24-C40)	45	U	mg/Kg	45	45	6/2/2003 18:34	T8	42727	0305351-10
CWAN-01-SB-004 (7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/2/2003 19:12	T8	42729	0305351-11
RAM0-01-SB-001 (14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/4/2003 9:39	T8	42754	0305351-21
RAM0-01-SB-001 (4.0-4.5)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/3/2003 2:43	T8	42740	0305351-19
RAM0-01-SB-001 (9.0-9.5)	IT15-49-4	Oil Range Organics (C24-C40)	43	U	mg/Kg	43	43	6/3/2003 3:20	T8	42742	0305351-20
RAM0-01-SB-002 (10.0-10.5)	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	6/4/2003 12:10	T8	42758	0305351-23
RAM0-01-SB-002 (14.5-15.0)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/4/2003 12:47	T8	42760	0305351-24
RAM0-01-SB-002 (4.0-4.5)	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	6/4/2003 11:32	T8	42756	0305351-22
SE50-01-SB-001 (1.0-1.5)	IT15-49-4	Oil Range Organics (C24-C40)	160		mg/Kg	50	50	6/2/2003 22:57	T8	42732	0305351-13
SE50-01-SB-001 (13.0-13.5)	IT15-49-4	Oil Range Organics (C24-C40)	170		mg/Kg	57	57	6/2/2003 23:35	T8	42733	0305351-14
SE50-01-SB-001 (15.5-16.0)	IT15-49-4	Oil Range Organics (C24-C40)	53	U	mg/Kg	53	53	6/3/2003 6:28	T8	42744	0305351-15
SE50-01-SB-002 (1.0-1.5)	IT15-49-4	Oil Range Organics (C24-C40)	47	U	mg/Kg	47	47	6/3/2003 0:50	T8	42735	0305351-16
SE50-01-SB-002 (7.5-8.0)	IT15-49-4	Oil Range Organics (C24-C40)	48	U	mg/Kg	48	48	6/3/2003 1:28	T8	42737	0305351-17
SE50-01-SB-101 (1.0-1.5)	IT15-49-4	Oil Range Organics (C24-C40)	75		mg/Kg	50	50	6/3/2003 2:05	T8	42738	0305351-18

B052803MPNSLC	91-57-6	2-Methylnaphthalene	33	U	UG/KG	33	33	6/4/2003 15:09	SN	42637 B052803MPNSLC
CWAN-01-SB-001 (12.5-13.0)	91-57-6	2-Methylnaphthalene	40	U	UG/KG	40	40	6/4/2003 17:01	SN	42450 0305351-03
CWAN-01-SB-001 (2.5-3.0)	91-57-6	2-Methylnaphthalene	120		UG/KG	39	39	6/4/2003 15:46	SN	42382 0305351-01
CWAN-01-SB-001 (2.5-3.0)DL	91-57-6	2-Methylnaphthalene	160	D	UG/KG	160	160	6/5/2003 10:14	SN	42399 0305351-01DL
CWAN-01-SB-001 (7.5-8.0)	91-57-6	2-Methylnaphthalene	6500	E	UG/KG	40	40	6/4/2003 16:42	SN	42416 0305351-02
CWAN-01-SB-001 (7.5-8.0)DL	91-57-6	2-Methylnaphthalene	7100	D	UG/KG	160	160	6/5/2003 10:33	SN	42433 0305351-02DL
RAM0-01-SB-001 (14.5-15.0)	91-57-6	2-Methylnaphthalene	34	U	UG/KG	34	34	6/5/2003 9:39	SN	42620 0305351-21
RAM0-01-SB-001 (4.0-4.5)	91-57-6	2-Methylnaphthalene	35	U	UG/KG	35	35	6/5/2003 9:01	SN	42586 0305351-19
RAM0-01-SB-001 (9.0-9.5)	91-57-6	2-Methylnaphthalene	35	U	UG/KG	35	35	6/5/2003 9:20	SN	42603 0305351-20
SE50-01-SB-001 (1.0-1.5)	91-57-6	2-Methylnaphthalene	42	U	UG/KG	42	42	6/5/2003 7:46	SN	42467 0305351-13
SE50-01-SB-001 (1.0-1.5)DL	91-57-6	2-Methylnaphthalene	170	U	UG/KG	170	170	6/5/2003 14:33	SN	42484 0305351-13DL
SE50-01-SB-001 (13.0-13.5)	91-57-6	2-Methylnaphthalene	29000	E	UG/KG	190	190	6/5/2003 14:52	SN	42501 0305351-14
SE50-01-SB-001 (15.5-16.0)	91-57-6	2-Methylnaphthalene	32	J	UG/KG	44	44	6/5/2003 8:24	SN	42535 0305351-15
SE50-01-SB-001(13.0-13.5)D	91-57-6	2-Methylnaphthalene	36000	D	UG/KG	480	480	6/10/2003 7:41	SN	42518 0305351-14DL
SE50-01-SB-101 (1.0-1.5)	91-57-6	2-Methylnaphthalene	42	U	UG/KG	42	42	6/5/2003 8:42	SN	42552 0305351-18
SE50-01-SB-101 (1.0-1.5)DL	91-57-6	2-Methylnaphthalene	170	U	UG/KG	170	170	6/10/2003 8:00	SN	42569 0305351-18DL
B052803MPNSLC	83-32-9	Acenaphthene	33	U	UG/KG	33	33	6/4/2003 15:09	SN	42639 B052803MPNSLC
CWAN-01-SB-001 (12.5-13.0)	83-32-9	Acenaphthene	40	U	UG/KG	40	40	6/4/2003 17:01	SN	42452 0305351-03
CWAN-01-SB-001 (2.5-3.0)	83-32-9	Acenaphthene	39	U	UG/KG	39	39	6/4/2003 15:46	SN	42384 0305351-01
CWAN-01-SB-001 (2.5-3.0)DL	83-32-9	Acenaphthene	160	U	UG/KG	160	160	6/5/2003 10:14	SN	42401 0305351-01DL
CWAN-01-SB-001 (7.5-8.0)	83-32-9	Acenaphthene	40	U	UG/KG	40	40	6/4/2003 16:42	SN	42418 0305351-02
CWAN-01-SB-001 (7.5-8.0)DL	83-32-9	Acenaphthene	160	U	UG/KG	160	160	6/5/2003 10:33	SN	42435 0305351-02DL
RAM0-01-SB-001 (14.5-15.0)	83-32-9	Acenaphthene	34	U	UG/KG	34	34	6/5/2003 9:39	SN	42622 0305351-21
RAM0-01-SB-001 (4.0-4.5)	83-32-9	Acenaphthene	35	U	UG/KG	35	35	6/5/2003 9:01	SN	42588 0305351-19
RAM0-01-SB-001 (9.0-9.5)	83-32-9	Acenaphthene	35	U	UG/KG	35	35	6/5/2003 9:20	SN	42605 0305351-20
SE50-01-SB-001 (1.0-1.5)	83-32-9	Acenaphthene	1100		UG/KG	42	42	6/5/2003 7:46	SN	42469 0305351-13
SE50-01-SB-001 (1.0-1.5)DL	83-32-9	Acenaphthene	1300	D	UG/KG	170	170	6/5/2003 14:33	SN	42486 0305351-13DL
SE50-01-SB-001 (13.0-13.5)	83-32-9	Acenaphthene	1900		UG/KG	190	190	6/5/2003 14:52	SN	42503 0305351-14
SE50-01-SB-001 (15.5-16.0)	83-32-9	Acenaphthene	44	U	UG/KG	44	44	6/5/2003 8:24	SN	42537 0305351-15
SE50-01-SB-001(13.0-13.5)D	83-32-9	Acenaphthene	2900	D	UG/KG	480	480	6/10/2003 7:41	SN	42520 0305351-14DL
SE50-01-SB-101 (1.0-1.5)	83-32-9	Acenaphthene	900		UG/KG	42	42	6/5/2003 8:42	SN	42554 0305351-18
SE50-01-SB-101 (1.0-1.5)DL	83-32-9	Acenaphthene	1700	D	UG/KG	170	170	6/10/2003 8:00	SN	42571 0305351-18DL
B052803MPNSLC	208-96-8	Acenaphthylene	33	U	UG/KG	33	33	6/4/2003 15:09	SN	42638 B052803MPNSLC
CWAN-01-SB-001 (12.5-13.0)	208-96-8	Acenaphthylene	40	U	UG/KG	40	40	6/4/2003 17:01	SN	42451 0305351-03
CWAN-01-SB-001 (2.5-3.0)	208-96-8	Acenaphthylene	39	U	UG/KG	39	39	6/4/2003 15:46	SN	42383 0305351-01
CWAN-01-SB-001 (2.5-3.0)DL	208-96-8	Acenaphthylene	160	U	UG/KG	160	160	6/5/2003 10:14	SN	42400 0305351-01DL
CWAN-01-SB-001 (7.5-8.0)	208-96-8	Acenaphthylene	40	U	UG/KG	40	40	6/4/2003 16:42	SN	42417 0305351-02
CWAN-01-SB-001 (7.5-8.0)DL	208-96-8	Acenaphthylene	160	U	UG/KG	160	160	6/5/2003 10:33	SN	42434 0305351-02DL
RAM0-01-SB-001 (14.5-15.0)	208-96-8	Acenaphthylene	34	U	UG/KG	34	34	6/5/2003 9:39	SN	42621 0305351-21
RAM0-01-SB-001 (4.0-4.5)	208-96-8	Acenaphthylene	35	U	UG/KG	35	35	6/5/2003 9:01	SN	42587 0305351-19
RAM0-01-SB-001 (9.0-9.5)	208-96-8	Acenaphthylene	35	U	UG/KG	35	35	6/5/2003 9:20	SN	42604 0305351-20
SE50-01-SB-001 (1.0-1.5)	208-96-8	Acenaphthylene	42	U	UG/KG	42	42	6/5/2003 7:46	SN	42468 0305351-13
SE50-01-SB-001 (1.0-1.5)DL	208-96-8	Acenaphthylene	170	U	UG/KG	170	170	6/5/2003 14:33	SN	42485 0305351-13DL
SE50-01-SB-001 (13.0-13.5)	208-96-8	Acenaphthylene	190	U	UG/KG	190	190	6/5/2003 14:52	SN	42502 0305351-14
SE50-01-SB-001 (15.5-16.0)	208-96-8	Acenaphthylene	44	U	UG/KG	44	44	6/5/2003 8:24	SN	42536 0305351-15
SE50-01-SB-001(13.0-13.5)D	208-96-8	Acenaphthylene	480	U	UG/KG	480	480	6/10/2003 7:41	SN	42519 0305351-14DL
SE50-01-SB-101 (1.0-1.5)	208-96-8	Acenaphthylene	42	U	UG/KG	42	42	6/5/2003 8:42	SN	42553 0305351-18
SE50-01-SB-101 (1.0-1.5)DL	208-96-8	Acenaphthylene	170	U	UG/KG	170	170	6/10/2003 8:00	SN	42570 0305351-18DL
B052803MPNSLC	120-12-7	Anthracene	33	U	UG/KG	33	33	6/4/2003 15:09	SN	42642 B052803MPNSLC
CWAN-01-SB-001 (12.5-13.0)	120-12-7	Anthracene	40	U	UG/KG	40	40	6/4/2003 17:01	SN	42455 0305351-03
CWAN-01-SB-001 (2.5-3.0)	120-12-7	Anthracene	39	U	UG/KG	39	39	6/4/2003 15:46	SN	42387 0305351-01
CWAN-01-SB-001 (2.5-3.0)DL	120-12-7	Anthracene	160	U	UG/KG	160	160	6/5/2003 10:14	SN	42404 0305351-01DL
CWAN-01-SB-001 (7.5-8.0)	120-12-7	Anthracene	40	U	UG/KG	40	40	6/4/2003 16:42	SN	42421 0305351-02

CWAN-01-SB-001 (7.5-8.0)DL	120-12-7	Anthracene	160	U	UG/KG	160	160	6/5/2003 10:33	SN	42438 0305351-02DL
RAM0-01-SB-001 (14.5-15.0)	120-12-7	Anthracene	34	U	UG/KG	34	34	6/5/2003 9:39	SN	42625 0305351-21
RAM0-01-SB-001 (4.0-4.5)	120-12-7	Anthracene	35	U	UG/KG	35	35	6/5/2003 9:01	SN	42591 0305351-19
RAM0-01-SB-001 (9.0-9.5)	120-12-7	Anthracene	35	U	UG/KG	35	35	6/5/2003 9:20	SN	42608 0305351-20
SE50-01-SB-001 (1.0-1.5)	120-12-7	Anthracene	42	U	UG/KG	42	42	6/5/2003 7:46	SN	42472 0305351-13
SE50-01-SB-001 (1.0-1.5)DL	120-12-7	Anthracene	170	U	UG/KG	170	170	6/5/2003 14:33	SN	42489 0305351-13DL
SE50-01-SB-001 (13.0-13.5)	120-12-7	Anthracene	190	U	UG/KG	190	190	6/5/2003 14:52	SN	42506 0305351-14
SE50-01-SB-001 (15.5-16.0)	120-12-7	Anthracene	44	U	UG/KG	44	44	6/5/2003 8:24	SN	42540 0305351-15
SE50-01-SB-001(13.0-13.5)D	120-12-7	Anthracene	480	U	UG/KG	480	480	6/10/2003 7:41	SN	42523 0305351-14DL
SE50-01-SB-101 (1.0-1.5)	120-12-7	Anthracene	42	U	UG/KG	42	42	6/5/2003 8:42	SN	42557 0305351-18
SE50-01-SB-101 (1.0-1.5)DL	120-12-7	Anthracene	170	U	UG/KG	170	170	6/10/2003 8:00	SN	42574 0305351-18DL
B060203GVOSK1	71-43-2	Benzene	40	U	ug/Kg	40	20	6/3/2003 13:38	8X	42354 B060203GVOSK1
B060203GVOSK1RE	71-43-2	Benzene	40	U	ug/Kg	40	20	6/4/2003 7:03	8X	42359 B060203GVOSK1RE
CWAN-01-SB-001 (12.5-13.0)	71-43-2	Benzene	48	U	ug/Kg	48	24	6/3/2003 14:55	8X	42314 0305351-03
CWAN-01-SB-001 (2.5-3.0)	71-43-2	Benzene	47	U	ug/Kg	47	23	6/3/2003 21:18	8X	42304 0305351-01
CWAN-01-SB-001 (7.5-8.0)	71-43-2	Benzene	48	U	ug/Kg	48	24	6/3/2003 21:57	8X	42309 0305351-02
RAM0-01-SB-001 (14.5-15.0)	71-43-2	Benzene	41	U	ug/Kg	41	21	6/3/2003 18:45	8X	42349 0305351-21
RAM0-01-SB-001 (4.0-4.5)	71-43-2	Benzene	42	U	ug/Kg	42	21	6/3/2003 17:28	8X	42339 0305351-19
RAM0-01-SB-001 (9.0-9.5)	71-43-2	Benzene	43	U	ug/Kg	43	21	6/3/2003 18:06	8X	42344 0305351-20
SE50-01-SB-001 (1.0-1.5)	71-43-2	Benzene	50	U	ug/Kg	50	25	6/4/2003 10:54	8X	42319 0305351-13
SE50-01-SB-001 (13.0-13.5)	71-43-2	Benzene	570	U	ug/Kg	570	290	6/4/2003 11:33	8X	42324 0305351-14
SE50-01-SB-001 (15.5-16.0)	71-43-2	Benzene	53	U	ug/Kg	53	27	6/3/2003 16:50	8X	42329 0305351-15
SE50-01-SB-101 (1.0-1.5)	71-43-2	Benzene	50	U	ug/Kg	50	25	6/4/2003 12:11	8X	42334 0305351-18
B052803MPNSLC	56-55-3	Benzo[a]anthracene	33	U	UG/KG	33	33	6/4/2003 15:09	SN	42644 B052803MPNSLC
CWAN-01-SB-001 (12.5-13.0)	56-55-3	Benzo[a]anthracene	40	U	UG/KG	40	40	6/4/2003 17:01	SN	42457 0305351-03
CWAN-01-SB-001 (2.5-3.0)	56-55-3	Benzo[a]anthracene	39	U	UG/KG	39	39	6/4/2003 15:46	SN	42389 0305351-01
CWAN-01-SB-001 (2.5-3.0)DL	56-55-3	Benzo[a]anthracene	160	U	UG/KG	160	160	6/5/2003 10:14	SN	42406 0305351-01DL
CWAN-01-SB-001 (7.5-8.0)	56-55-3	Benzo[a]anthracene	40	U	UG/KG	40	40	6/4/2003 16:42	SN	42423 0305351-02
CWAN-01-SB-001 (7.5-8.0)DL	56-55-3	Benzo[a]anthracene	160	U	UG/KG	160	160	6/5/2003 10:33	SN	42440 0305351-02DL
RAM0-01-SB-001 (14.5-15.0)	56-55-3	Benzo[a]anthracene	34	U	UG/KG	34	34	6/5/2003 9:39	SN	42627 0305351-21
RAM0-01-SB-001 (4.0-4.5)	56-55-3	Benzo[a]anthracene	35	U	UG/KG	35	35	6/5/2003 9:01	SN	42593 0305351-19
RAM0-01-SB-001 (9.0-9.5)	56-55-3	Benzo[a]anthracene	35	U	UG/KG	35	35	6/5/2003 9:20	SN	42610 0305351-20
SE50-01-SB-001 (1.0-1.5)	56-55-3	Benzo[a]anthracene	33	J	UG/KG	42	42	6/5/2003 7:46	SN	42474 0305351-13
SE50-01-SB-001 (1.0-1.5)DL	56-55-3	Benzo[a]anthracene	170	U	UG/KG	170	170	6/5/2003 14:33	SN	42491 0305351-13DL
SE50-01-SB-001 (13.0-13.5)	56-55-3	Benzo[a]anthracene	190	U	UG/KG	190	190	6/5/2003 14:52	SN	42508 0305351-14
SE50-01-SB-001 (15.5-16.0)	56-55-3	Benzo[a]anthracene	44	U	UG/KG	44	44	6/5/2003 8:24	SN	42542 0305351-15
SE50-01-SB-001(13.0-13.5)D	56-55-3	Benzo[a]anthracene	480	U	UG/KG	480	480	6/10/2003 7:41	SN	42525 0305351-14DL
SE50-01-SB-101 (1.0-1.5)	56-55-3	Benzo[a]anthracene	42	U	UG/KG	42	42	6/5/2003 8:42	SN	42559 0305351-18
SE50-01-SB-101 (1.0-1.5)DL	56-55-3	Benzo[a]anthracene	170	U	UG/KG	170	170	6/10/2003 8:00	SN	42576 0305351-18DL
B052803MPNSLC	50-32-8	Benzo[a]pyrene	33	U	UG/KG	33	33	6/4/2003 15:09	SN	42648 B052803MPNSLC
CWAN-01-SB-001 (12.5-13.0)	50-32-8	Benzo[a]pyrene	40	U	UG/KG	40	40	6/4/2003 17:01	SN	42461 0305351-03
CWAN-01-SB-001 (2.5-3.0)	50-32-8	Benzo[a]pyrene	39	U	UG/KG	39	39	6/4/2003 15:46	SN	42393 0305351-01
CWAN-01-SB-001 (2.5-3.0)DL	50-32-8	Benzo[a]pyrene	160	U	UG/KG	160	160	6/5/2003 10:14	SN	42410 0305351-01DL
CWAN-01-SB-001 (7.5-8.0)	50-32-8	Benzo[a]pyrene	40	U	UG/KG	40	40	6/4/2003 16:42	SN	42427 0305351-02
CWAN-01-SB-001 (7.5-8.0)DL	50-32-8	Benzo[a]pyrene	160	U	UG/KG	160	160	6/5/2003 10:33	SN	42444 0305351-02DL
RAM0-01-SB-001 (14.5-15.0)	50-32-8	Benzo[a]pyrene	34	U	UG/KG	34	34	6/5/2003 9:39	SN	42631 0305351-21
RAM0-01-SB-001 (4.0-4.5)	50-32-8	Benzo[a]pyrene	35	U	UG/KG	35	35	6/5/2003 9:01	SN	42597 0305351-19
RAM0-01-SB-001 (9.0-9.5)	50-32-8	Benzo[a]pyrene	35	U	UG/KG	35	35	6/5/2003 9:20	SN	42614 0305351-20
SE50-01-SB-001 (1.0-1.5)	50-32-8	Benzo[a]pyrene	42	U	UG/KG	42	42	6/5/2003 7:46	SN	42478 0305351-13
SE50-01-SB-001 (1.0-1.5)DL	50-32-8	Benzo[a]pyrene	170	U	UG/KG	170	170	6/5/2003 14:33	SN	42495 0305351-13DL
SE50-01-SB-001 (13.0-13.5)	50-32-8	Benzo[a]pyrene	190	U	UG/KG	190	190	6/5/2003 14:52	SN	42512 0305351-14
SE50-01-SB-001 (15.5-16.0)	50-32-8	Benzo[a]pyrene	44	U	UG/KG	44	44	6/5/2003 8:24	SN	42546 0305351-15
SE50-01-SB-001(13.0-13.5)D	50-32-8	Benzo[a]pyrene	480	U	UG/KG	480	480	6/10/2003 7:41	SN	42529 0305351-14DL

SE50-01-SB-101 (1.0-1.5)	50-32-8	Benzo[a]pyrene	42	U	UG/KG	42	42	6/5/2003 8:42	SN	42563 0305351-18
SE50-01-SB-101 (1.0-1.5)DL	50-32-8	Benzo[a]pyrene	170	U	UG/KG	170	170	6/10/2003 8:00	SN	42580 0305351-18DL
B052803MPNSLC	205-99-2	Benzo[b]fluoranthene	33	U	UG/KG	33	33	6/4/2003 15:09	SN	42646 B052803MPNSLC
CWAN-01-SB-001 (12.5-13.0)	205-99-2	Benzo[b]fluoranthene	40	U	UG/KG	40	40	6/4/2003 17:01	SN	42459 0305351-03
CWAN-01-SB-001 (2.5-3.0)	205-99-2	Benzo[b]fluoranthene	39	U	UG/KG	39	39	6/4/2003 15:46	SN	42391 0305351-01
CWAN-01-SB-001 (2.5-3.0)DL	205-99-2	Benzo[b]fluoranthene	160	U	UG/KG	160	160	6/5/2003 10:14	SN	42408 0305351-01DL
CWAN-01-SB-001 (7.5-8.0)	205-99-2	Benzo[b]fluoranthene	40	U	UG/KG	40	40	6/4/2003 16:42	SN	42425 0305351-02
CWAN-01-SB-001 (7.5-8.0)DL	205-99-2	Benzo[b]fluoranthene	160	U	UG/KG	160	160	6/5/2003 10:33	SN	42442 0305351-02DL
RAM0-01-SB-001 (14.5-15.0)	205-99-2	Benzo[b]fluoranthene	34	U	UG/KG	34	34	6/5/2003 9:39	SN	42629 0305351-21
RAM0-01-SB-001 (4.0-4.5)	205-99-2	Benzo[b]fluoranthene	35	U	UG/KG	35	35	6/5/2003 9:01	SN	42595 0305351-19
RAM0-01-SB-001 (9.0-9.5)	205-99-2	Benzo[b]fluoranthene	35	U	UG/KG	35	35	6/5/2003 9:20	SN	42612 0305351-20
SE50-01-SB-001 (1.0-1.5)	205-99-2	Benzo[b]fluoranthene	42	U	UG/KG	42	42	6/5/2003 7:46	SN	42476 0305351-13
SE50-01-SB-001 (1.0-1.5)DL	205-99-2	Benzo[b]fluoranthene	170	U	UG/KG	170	170	6/5/2003 14:33	SN	42493 0305351-13DL
SE50-01-SB-001 (13.0-13.5)	205-99-2	Benzo[b]fluoranthene	190	U	UG/KG	190	190	6/5/2003 14:52	SN	42510 0305351-14
SE50-01-SB-001 (15.5-16.0)	205-99-2	Benzo[b]fluoranthene	44	U	UG/KG	44	44	6/5/2003 8:24	SN	42544 0305351-15
SE50-01-SB-001(13.0-13.5)D	205-99-2	Benzo[b]fluoranthene	480	U	UG/KG	480	480	6/10/2003 7:41	SN	42527 0305351-14DL
SE50-01-SB-101 (1.0-1.5)	205-99-2	Benzo[b]fluoranthene	42	U	UG/KG	42	42	6/5/2003 8:42	SN	42561 0305351-18
SE50-01-SB-101 (1.0-1.5)DL	205-99-2	Benzo[b]fluoranthene	170	U	UG/KG	170	170	6/10/2003 8:00	SN	42578 0305351-18DL
B052803MPNSLC	191-24-2	Benzo[g,h,I]perylene	33	U	UG/KG	33	33	6/4/2003 15:09	SN	42651 B052803MPNSLC
CWAN-01-SB-001 (12.5-13.0)	191-24-2	Benzo[g,h,I]perylene	40	U	UG/KG	40	40	6/4/2003 17:01	SN	42464 0305351-03
CWAN-01-SB-001 (2.5-3.0)	191-24-2	Benzo[g,h,I]perylene	39	U	UG/KG	39	39	6/4/2003 15:46	SN	42396 0305351-01
CWAN-01-SB-001 (2.5-3.0)DL	191-24-2	Benzo[g,h,I]perylene	160	U	UG/KG	160	160	6/5/2003 10:14	SN	42413 0305351-01DL
CWAN-01-SB-001 (7.5-8.0)	191-24-2	Benzo[g,h,I]perylene	40	U	UG/KG	40	40	6/4/2003 16:42	SN	42430 0305351-02
CWAN-01-SB-001 (7.5-8.0)DL	191-24-2	Benzo[g,h,I]perylene	160	U	UG/KG	160	160	6/5/2003 10:33	SN	42447 0305351-02DL
RAM0-01-SB-001 (14.5-15.0)	191-24-2	Benzo[g,h,I]perylene	34	U	UG/KG	34	34	6/5/2003 9:39	SN	42634 0305351-21
RAM0-01-SB-001 (4.0-4.5)	191-24-2	Benzo[g,h,I]perylene	35	U	UG/KG	35	35	6/5/2003 9:01	SN	42600 0305351-19
RAM0-01-SB-001 (9.0-9.5)	191-24-2	Benzo[g,h,I]perylene	35	U	UG/KG	35	35	6/5/2003 9:20	SN	42617 0305351-20
SE50-01-SB-001 (1.0-1.5)	191-24-2	Benzo[g,h,I]perylene	42	U	UG/KG	42	42	6/5/2003 7:46	SN	42481 0305351-13
SE50-01-SB-001 (1.0-1.5)DL	191-24-2	Benzo[g,h,I]perylene	170	U	UG/KG	170	170	6/5/2003 14:33	SN	42498 0305351-13DL
SE50-01-SB-001 (13.0-13.5)	191-24-2	Benzo[g,h,I]perylene	190	U	UG/KG	190	190	6/5/2003 14:52	SN	42515 0305351-14
SE50-01-SB-001 (15.5-16.0)	191-24-2	Benzo[g,h,I]perylene	44	U	UG/KG	44	44	6/5/2003 8:24	SN	42549 0305351-15
SE50-01-SB-001(13.0-13.5)D	191-24-2	Benzo[g,h,I]perylene	480	U	UG/KG	480	480	6/10/2003 7:41	SN	42532 0305351-14DL
SE50-01-SB-101 (1.0-1.5)	191-24-2	Benzo[g,h,I]perylene	42	U	UG/KG	42	42	6/5/2003 8:42	SN	42566 0305351-18
SE50-01-SB-101 (1.0-1.5)DL	191-24-2	Benzo[g,h,I]perylene	170	U	UG/KG	170	170	6/10/2003 8:00	SN	42583 0305351-18DL
B052803MPNSLC	207-08-9	Benzo[k]fluoranthene	33	U	UG/KG	33	33	6/4/2003 15:09	SN	42647 B052803MPNSLC
CWAN-01-SB-001 (12.5-13.0)	207-08-9	Benzo[k]fluoranthene	40	U	UG/KG	40	40	6/4/2003 17:01	SN	42460 0305351-03
CWAN-01-SB-001 (2.5-3.0)	207-08-9	Benzo[k]fluoranthene	39	U	UG/KG	39	39	6/4/2003 15:46	SN	42392 0305351-01
CWAN-01-SB-001 (2.5-3.0)DL	207-08-9	Benzo[k]fluoranthene	160	U	UG/KG	160	160	6/5/2003 10:14	SN	42409 0305351-01DL
CWAN-01-SB-001 (7.5-8.0)	207-08-9	Benzo[k]fluoranthene	40	U	UG/KG	40	40	6/4/2003 16:42	SN	42426 0305351-02
CWAN-01-SB-001 (7.5-8.0)DL	207-08-9	Benzo[k]fluoranthene	160	U	UG/KG	160	160	6/5/2003 10:33	SN	42443 0305351-02DL
RAM0-01-SB-001 (14.5-15.0)	207-08-9	Benzo[k]fluoranthene	34	U	UG/KG	34	34	6/5/2003 9:39	SN	42630 0305351-21
RAM0-01-SB-001 (4.0-4.5)	207-08-9	Benzo[k]fluoranthene	35	U	UG/KG	35	35	6/5/2003 9:01	SN	42596 0305351-19
RAM0-01-SB-001 (9.0-9.5)	207-08-9	Benzo[k]fluoranthene	35	U	UG/KG	35	35	6/5/2003 9:20	SN	42613 0305351-20
SE50-01-SB-001 (1.0-1.5)	207-08-9	Benzo[k]fluoranthene	42	U	UG/KG	42	42	6/5/2003 7:46	SN	42477 0305351-13
SE50-01-SB-001 (1.0-1.5)DL	207-08-9	Benzo[k]fluoranthene	170	U	UG/KG	170	170	6/5/2003 14:33	SN	42494 0305351-13DL
SE50-01-SB-001 (13.0-13.5)	207-08-9	Benzo[k]fluoranthene	190	U	UG/KG	190	190	6/5/2003 14:52	SN	42511 0305351-14
SE50-01-SB-001 (15.5-16.0)	207-08-9	Benzo[k]fluoranthene	44	U	UG/KG	44	44	6/5/2003 8:24	SN	42545 0305351-15
SE50-01-SB-001(13.0-13.5)D	207-08-9	Benzo[k]fluoranthene	480	U	UG/KG	480	480	6/10/2003 7:41	SN	42528 0305351-14DL
SE50-01-SB-101 (1.0-1.5)	207-08-9	Benzo[k]fluoranthene	42	U	UG/KG	42	42	6/5/2003 8:42	SN	42562 0305351-18
SE50-01-SB-101 (1.0-1.5)DL	207-08-9	Benzo[k]fluoranthene	170	U	UG/KG	170	170	6/10/2003 8:00	SN	42579 0305351-18DL
B052803MPNSLC	218-01-9	Chrysene	33	U	UG/KG	33	33	6/4/2003 15:09	SN	42645 B052803MPNSLC
CWAN-01-SB-001 (12.5-13.0)	218-01-9	Chrysene	40	U	UG/KG	40	40	6/4/2003 17:01	SN	42458 0305351-03
CWAN-01-SB-001 (2.5-3.0)	218-01-9	Chrysene	72		UG/KG	39	39	6/4/2003 15:46	SN	42390 0305351-01

CWAN-01-SB-001 (2.5-3.0)DL	218-01-9	Chrysene	93	JD	UG/KG	160	160	6/5/2003 10:14	SN	42407 0305351-01DL
CWAN-01-SB-001 (7.5-8.0)	218-01-9	Chrysene	36	J	UG/KG	40	40	6/4/2003 16:42	SN	42424 0305351-02
CWAN-01-SB-001 (7.5-8.0)DL	218-01-9	Chrysene	160	U	UG/KG	160	160	6/5/2003 10:33	SN	42441 0305351-02DL
RAM0-01-SB-001 (14.5-15.0)	218-01-9	Chrysene	34	U	UG/KG	34	34	6/5/2003 9:39	SN	42628 0305351-21
RAM0-01-SB-001 (4.0-4.5)	218-01-9	Chrysene	35	U	UG/KG	35	35	6/5/2003 9:01	SN	42594 0305351-19
RAM0-01-SB-001 (9.0-9.5)	218-01-9	Chrysene	35	U	UG/KG	35	35	6/5/2003 9:20	SN	42611 0305351-20
SE50-01-SB-001 (1.0-1.5)	218-01-9	Chrysene	85		UG/KG	42	42	6/5/2003 7:46	SN	42475 0305351-13
SE50-01-SB-001 (1.0-1.5)DL	218-01-9	Chrysene	100	JD	UG/KG	170	170	6/5/2003 14:33	SN	42492 0305351-13DL
SE50-01-SB-001 (13.0-13.5)	218-01-9	Chrysene	130	J	UG/KG	190	190	6/5/2003 14:52	SN	42509 0305351-14
SE50-01-SB-001 (15.5-16.0)	218-01-9	Chrysene	44	U	UG/KG	44	44	6/5/2003 8:24	SN	42543 0305351-15
SE50-01-SB-001(13.0-13.5)D	218-01-9	Chrysene	480	U	UG/KG	480	480	6/10/2003 7:41	SN	42526 0305351-14DL
SE50-01-SB-101 (1.0-1.5)	218-01-9	Chrysene	59		UG/KG	42	42	6/5/2003 8:42	SN	42560 0305351-18
SE50-01-SB-101 (1.0-1.5)DL	218-01-9	Chrysene	170	U	UG/KG	170	170	6/10/2003 8:00	SN	42577 0305351-18DL
B052803MPNSLC	53-70-3	Dibenzo[a,h]anthracene	33	U	UG/KG	33	33	6/4/2003 15:09	SN	42650 B052803MPNSLC
CWAN-01-SB-001 (12.5-13.0)	53-70-3	Dibenzo[a,h]anthracene	40	U	UG/KG	40	40	6/4/2003 17:01	SN	42463 0305351-03
CWAN-01-SB-001 (2.5-3.0)	53-70-3	Dibenzo[a,h]anthracene	39	U	UG/KG	39	39	6/4/2003 15:46	SN	42395 0305351-01
CWAN-01-SB-001 (2.5-3.0)DL	53-70-3	Dibenzo[a,h]anthracene	160	U	UG/KG	160	160	6/5/2003 10:14	SN	42412 0305351-01DL
CWAN-01-SB-001 (7.5-8.0)	53-70-3	Dibenzo[a,h]anthracene	40	U	UG/KG	40	40	6/4/2003 16:42	SN	42429 0305351-02
CWAN-01-SB-001 (7.5-8.0)DL	53-70-3	Dibenzo[a,h]anthracene	160	U	UG/KG	160	160	6/5/2003 10:33	SN	42446 0305351-02DL
RAM0-01-SB-001 (14.5-15.0)	53-70-3	Dibenzo[a,h]anthracene	34	U	UG/KG	34	34	6/5/2003 9:39	SN	42633 0305351-21
RAM0-01-SB-001 (4.0-4.5)	53-70-3	Dibenzo[a,h]anthracene	35	U	UG/KG	35	35	6/5/2003 9:01	SN	42599 0305351-19
RAM0-01-SB-001 (9.0-9.5)	53-70-3	Dibenzo[a,h]anthracene	35	U	UG/KG	35	35	6/5/2003 9:20	SN	42616 0305351-20
SE50-01-SB-001 (1.0-1.5)	53-70-3	Dibenzo[a,h]anthracene	42	U	UG/KG	42	42	6/5/2003 7:46	SN	42480 0305351-13
SE50-01-SB-001 (1.0-1.5)DL	53-70-3	Dibenzo[a,h]anthracene	170	U	UG/KG	170	170	6/5/2003 14:33	SN	42497 0305351-13DL
SE50-01-SB-001 (13.0-13.5)	53-70-3	Dibenzo[a,h]anthracene	190	U	UG/KG	190	190	6/5/2003 14:52	SN	42514 0305351-14
SE50-01-SB-001 (15.5-16.0)	53-70-3	Dibenzo[a,h]anthracene	44	U	UG/KG	44	44	6/5/2003 8:24	SN	42548 0305351-15
SE50-01-SB-001(13.0-13.5)D	53-70-3	Dibenzo[a,h]anthracene	480	U	UG/KG	480	480	6/10/2003 7:41	SN	42531 0305351-14DL
SE50-01-SB-101 (1.0-1.5)	53-70-3	Dibenzo[a,h]anthracene	42	U	UG/KG	42	42	6/5/2003 8:42	SN	42565 0305351-18
SE50-01-SB-101 (1.0-1.5)DL	53-70-3	Dibenzo[a,h]anthracene	170	U	UG/KG	170	170	6/10/2003 8:00	SN	42582 0305351-18DL
B060203GVOSK1	100-41-4	Ethyl Benzene	40	U	ug/Kg	40	20	6/3/2003 13:38	8X	42356 B060203GVOSK1
B060203GVOSK1RE	100-41-4	Ethyl Benzene	40	U	ug/Kg	40	20	6/4/2003 7:03	8X	42361 B060203GVOSK1RE
CWAN-01-SB-001 (12.5-13.0)	100-41-4	Ethyl Benzene	48	U	ug/Kg	48	24	6/3/2003 14:55	8X	42316 0305351-03
CWAN-01-SB-001 (2.5-3.0)	100-41-4	Ethyl Benzene	47	U	ug/Kg	47	23	6/3/2003 21:18	8X	42306 0305351-01
CWAN-01-SB-001 (7.5-8.0)	100-41-4	Ethyl Benzene	48	U	ug/Kg	48	24	6/3/2003 21:57	8X	42311 0305351-02
RAM0-01-SB-001 (14.5-15.0)	100-41-4	Ethyl Benzene	41	U	ug/Kg	41	21	6/3/2003 18:45	8X	42351 0305351-21
RAM0-01-SB-001 (4.0-4.5)	100-41-4	Ethyl Benzene	42	U	ug/Kg	42	21	6/3/2003 17:28	8X	42341 0305351-19
RAM0-01-SB-001 (9.0-9.5)	100-41-4	Ethyl Benzene	43	U	ug/Kg	43	21	6/3/2003 18:06	8X	42346 0305351-20
SE50-01-SB-001 (1.0-1.5)	100-41-4	Ethyl Benzene	50	U	ug/Kg	50	25	6/4/2003 10:54	8X	42321 0305351-13
SE50-01-SB-001 (13.0-13.5)	100-41-4	Ethyl Benzene	1400		ug/Kg	570	290	6/4/2003 11:33	8X	42326 0305351-14
SE50-01-SB-001 (15.5-16.0)	100-41-4	Ethyl Benzene	53	U	ug/Kg	53	27	6/3/2003 16:50	8X	42331 0305351-15
SE50-01-SB-101 (1.0-1.5)	100-41-4	Ethyl Benzene	50	U	ug/Kg	50	25	6/4/2003 12:11	8X	42336 0305351-18
B052803MPNSLC	206-44-0	Fluoranthene	33	U	UG/KG	33	33	6/4/2003 15:09	SN	42643 B052803MPNSLC
CWAN-01-SB-001 (12.5-13.0)	206-44-0	Fluoranthene	40	U	UG/KG	40	40	6/4/2003 17:01	SN	42456 0305351-03
CWAN-01-SB-001 (2.5-3.0)	206-44-0	Fluoranthene	39	U	UG/KG	39	39	6/4/2003 15:46	SN	42388 0305351-01
CWAN-01-SB-001 (2.5-3.0)DL	206-44-0	Fluoranthene	160	U	UG/KG	160	160	6/5/2003 10:14	SN	42405 0305351-01DL
CWAN-01-SB-001 (7.5-8.0)	206-44-0	Fluoranthene	40	U	UG/KG	40	40	6/4/2003 16:42	SN	42422 0305351-02
CWAN-01-SB-001 (7.5-8.0)DL	206-44-0	Fluoranthene	160	U	UG/KG	160	160	6/5/2003 10:33	SN	42439 0305351-02DL
RAM0-01-SB-001 (14.5-15.0)	206-44-0	Fluoranthene	34	U	UG/KG	34	34	6/5/2003 9:39	SN	42626 0305351-21
RAM0-01-SB-001 (4.0-4.5)	206-44-0	Fluoranthene	35	U	UG/KG	35	35	6/5/2003 9:01	SN	42592 0305351-19
RAM0-01-SB-001 (9.0-9.5)	206-44-0	Fluoranthene	35	U	UG/KG	35	35	6/5/2003 9:20	SN	42609 0305351-20
SE50-01-SB-001 (1.0-1.5)	206-44-0	Fluoranthene	42	U	UG/KG	42	42	6/5/2003 7:46	SN	42473 0305351-13
SE50-01-SB-001 (1.0-1.5)DL	206-44-0	Fluoranthene	170	U	UG/KG	170	170	6/5/2003 14:33	SN	42490 0305351-13DL
SE50-01-SB-001 (13.0-13.5)	206-44-0	Fluoranthene	190	U	UG/KG	190	190	6/5/2003 14:52	SN	42507 0305351-14

SE50-01-SB-001 (15.5-16.0)	206-44-0	Fluoranthene	44	U	UG/KG	44	44	6/5/2003 8:24	SN	42541	0305351-15
SE50-01-SB-001(13.0-13.5)D	206-44-0	Fluoranthene	480	U	UG/KG	480	480	6/10/2003 7:41	SN	42524	0305351-14DL
SE50-01-SB-101 (1.0-1.5)	206-44-0	Fluoranthene	42	U	UG/KG	42	42	6/5/2003 8:42	SN	42558	0305351-18
SE50-01-SB-101 (1.0-1.5)DL	206-44-0	Fluoranthene	170	U	UG/KG	170	170	6/10/2003 8:00	SN	42575	0305351-18DL
B052803MPNSLC	86-73-7	Fluorene	33	U	UG/KG	33	33	6/4/2003 15:09	SN	42640	B052803MPNSLC
CWAN-01-SB-001 (12.5-13.0)	86-73-7	Fluorene	40	U	UG/KG	40	40	6/4/2003 17:01	SN	42453	0305351-03
CWAN-01-SB-001 (2.5-3.0)	86-73-7	Fluorene	39	U	UG/KG	39	39	6/4/2003 15:46	SN	42385	0305351-01
CWAN-01-SB-001 (2.5-3.0)DL	86-73-7	Fluorene	160	U	UG/KG	160	160	6/5/2003 10:14	SN	42402	0305351-01DL
CWAN-01-SB-001 (7.5-8.0)	86-73-7	Fluorene	40	U	UG/KG	40	40	6/4/2003 16:42	SN	42419	0305351-02
CWAN-01-SB-001 (7.5-8.0)DL	86-73-7	Fluorene	160	U	UG/KG	160	160	6/5/2003 10:33	SN	42436	0305351-02DL
RAM0-01-SB-001 (14.5-15.0)	86-73-7	Fluorene	34	U	UG/KG	34	34	6/5/2003 9:39	SN	42623	0305351-21
RAM0-01-SB-001 (4.0-4.5)	86-73-7	Fluorene	35	U	UG/KG	35	35	6/5/2003 9:01	SN	42589	0305351-19
RAM0-01-SB-001 (9.0-9.5)	86-73-7	Fluorene	35	U	UG/KG	35	35	6/5/2003 9:20	SN	42606	0305351-20
SE50-01-SB-001 (1.0-1.5)	86-73-7	Fluorene	390		UG/KG	42	42	6/5/2003 7:46	SN	42470	0305351-13
SE50-01-SB-001 (1.0-1.5)DL	86-73-7	Fluorene	910	D	UG/KG	170	170	6/5/2003 14:33	SN	42487	0305351-13DL
SE50-01-SB-001 (13.0-13.5)	86-73-7	Fluorene	3000		UG/KG	190	190	6/5/2003 14:52	SN	42504	0305351-14
SE50-01-SB-001 (15.5-16.0)	86-73-7	Fluorene	44	U	UG/KG	44	44	6/5/2003 8:24	SN	42538	0305351-15
SE50-01-SB-001(13.0-13.5)D	86-73-7	Fluorene	4500	D	UG/KG	480	480	6/10/2003 7:41	SN	42521	0305351-14DL
SE50-01-SB-101 (1.0-1.5)	86-73-7	Fluorene	400		UG/KG	42	42	6/5/2003 8:42	SN	42555	0305351-18
SE50-01-SB-101 (1.0-1.5)DL	86-73-7	Fluorene	790	D	UG/KG	170	170	6/10/2003 8:00	SN	42572	0305351-18DL
B052803MPNSLC	193-39-5	Indeno[1,2,3-cd]pyrene	33	U	UG/KG	33	33	6/4/2003 15:09	SN	42649	B052803MPNSLC
CWAN-01-SB-001 (12.5-13.0)	193-39-5	Indeno[1,2,3-cd]pyrene	40	U	UG/KG	40	40	6/4/2003 17:01	SN	42462	0305351-03
CWAN-01-SB-001 (2.5-3.0)	193-39-5	Indeno[1,2,3-cd]pyrene	39	U	UG/KG	39	39	6/4/2003 15:46	SN	42394	0305351-01
CWAN-01-SB-001 (2.5-3.0)DL	193-39-5	Indeno[1,2,3-cd]pyrene	160	U	UG/KG	160	160	6/5/2003 10:14	SN	42411	0305351-01DL
CWAN-01-SB-001 (7.5-8.0)	193-39-5	Indeno[1,2,3-cd]pyrene	40	U	UG/KG	40	40	6/4/2003 16:42	SN	42428	0305351-02
CWAN-01-SB-001 (7.5-8.0)DL	193-39-5	Indeno[1,2,3-cd]pyrene	160	U	UG/KG	160	160	6/5/2003 10:33	SN	42445	0305351-02DL
RAM0-01-SB-001 (14.5-15.0)	193-39-5	Indeno[1,2,3-cd]pyrene	34	U	UG/KG	34	34	6/5/2003 9:39	SN	42632	0305351-21
RAM0-01-SB-001 (4.0-4.5)	193-39-5	Indeno[1,2,3-cd]pyrene	35	U	UG/KG	35	35	6/5/2003 9:01	SN	42598	0305351-19
RAM0-01-SB-001 (9.0-9.5)	193-39-5	Indeno[1,2,3-cd]pyrene	35	U	UG/KG	35	35	6/5/2003 9:20	SN	42615	0305351-20
SE50-01-SB-001 (1.0-1.5)	193-39-5	Indeno[1,2,3-cd]pyrene	42	U	UG/KG	42	42	6/5/2003 7:46	SN	42479	0305351-13
SE50-01-SB-001 (1.0-1.5)DL	193-39-5	Indeno[1,2,3-cd]pyrene	170	U	UG/KG	170	170	6/5/2003 14:33	SN	42496	0305351-13DL
SE50-01-SB-001 (13.0-13.5)	193-39-5	Indeno[1,2,3-cd]pyrene	190	U	UG/KG	190	190	6/5/2003 14:52	SN	42513	0305351-14
SE50-01-SB-001 (15.5-16.0)	193-39-5	Indeno[1,2,3-cd]pyrene	44	U	UG/KG	44	44	6/5/2003 8:24	SN	42547	0305351-15
SE50-01-SB-001(13.0-13.5)D	193-39-5	Indeno[1,2,3-cd]pyrene	480	U	UG/KG	480	480	6/10/2003 7:41	SN	42530	0305351-14DL
SE50-01-SB-101 (1.0-1.5)	193-39-5	Indeno[1,2,3-cd]pyrene	42	U	UG/KG	42	42	6/5/2003 8:42	SN	42564	0305351-18
SE50-01-SB-101 (1.0-1.5)DL	193-39-5	Indeno[1,2,3-cd]pyrene	170	U	UG/KG	170	170	6/10/2003 8:00	SN	42581	0305351-18DL
B060203GVOSK1	108-38-3	m,p-Xylene	80	U	ug/Kg	80	40	6/3/2003 13:38	8X	42357	B060203GVOSK1
B060203GVOSK1RE	108-38-3	m,p-Xylene	80	U	ug/Kg	80	40	6/4/2003 7:03	8X	42362	B060203GVOSK1RE
CWAN-01-SB-001 (12.5-13.0)	108-38-3	m,p-Xylene	95	U	ug/Kg	95	48	6/3/2003 14:55	8X	42317	0305351-03
CWAN-01-SB-001 (2.5-3.0)	108-38-3	m,p-Xylene	93	U	ug/Kg	93	47	6/3/2003 21:18	8X	42307	0305351-01
CWAN-01-SB-001 (7.5-8.0)	108-38-3	m,p-Xylene	96	U	ug/Kg	96	48	6/3/2003 21:57	8X	42312	0305351-02
RAM0-01-SB-001 (14.5-15.0)	108-38-3	m,p-Xylene	82	U	ug/Kg	82	41	6/3/2003 18:45	8X	42352	0305351-21
RAM0-01-SB-001 (4.0-4.5)	108-38-3	m,p-Xylene	84	U	ug/Kg	84	42	6/3/2003 17:28	8X	42342	0305351-19
RAM0-01-SB-001 (9.0-9.5)	108-38-3	m,p-Xylene	85	U	ug/Kg	85	43	6/3/2003 18:06	8X	42347	0305351-20
SE50-01-SB-001 (1.0-1.5)	108-38-3	m,p-Xylene	100	U	ug/Kg	100	50	6/4/2003 10:54	8X	42322	0305351-13
SE50-01-SB-001 (13.0-13.5)	108-38-3	m,p-Xylene	4000		ug/Kg	1100	570	6/4/2003 11:33	8X	42327	0305351-14
SE50-01-SB-001 (15.5-16.0)	108-38-3	m,p-Xylene	110	U	ug/Kg	110	53	6/3/2003 16:50	8X	42332	0305351-15
SE50-01-SB-101 (1.0-1.5)	108-38-3	m,p-Xylene	100	U	ug/Kg	100	50	6/4/2003 12:11	8X	42337	0305351-18
B052803MPNSLC	91-20-3	Naphthalene	33	U	UG/KG	33	33	6/4/2003 15:09	SN	42636	B052803MPNSLC
CWAN-01-SB-001 (12.5-13.0)	91-20-3	Naphthalene	40	U	UG/KG	40	40	6/4/2003 17:01	SN	42449	0305351-03
CWAN-01-SB-001 (2.5-3.0)	91-20-3	Naphthalene	39	U	UG/KG	39	39	6/4/2003 15:46	SN	42381	0305351-01
CWAN-01-SB-001 (2.5-3.0)DL	91-20-3	Naphthalene	160	U	UG/KG	160	160	6/5/2003 10:14	SN	42398	0305351-01DL
CWAN-01-SB-001 (7.5-8.0)	91-20-3	Naphthalene	2400		UG/KG	40	40	6/4/2003 16:42	SN	42415	0305351-02

CWAN-01-SB-001 (7.5-8.0)DL	91-20-3	Naphthalene	2400	D	UG/KG	160	160	6/5/2003 10:33	SN	42432	0305351-02DL
RAM0-01-SB-001 (14.5-15.0)	91-20-3	Naphthalene	34	U	UG/KG	34	34	6/5/2003 9:39	SN	42619	0305351-21
RAM0-01-SB-001 (4.0-4.5)	91-20-3	Naphthalene	35	U	UG/KG	35	35	6/5/2003 9:01	SN	42585	0305351-19
RAM0-01-SB-001 (9.0-9.5)	91-20-3	Naphthalene	35	U	UG/KG	35	35	6/5/2003 9:20	SN	42602	0305351-20
SE50-01-SB-001 (1.0-1.5)	91-20-3	Naphthalene	42	U	UG/KG	42	42	6/5/2003 7:46	SN	42466	0305351-13
SE50-01-SB-001 (1.0-1.5)DL	91-20-3	Naphthalene	170	U	UG/KG	170	170	6/5/2003 14:33	SN	42483	0305351-13DL
SE50-01-SB-001 (13.0-13.5)	91-20-3	Naphthalene	5500		UG/KG	190	190	6/5/2003 14:52	SN	42500	0305351-14
SE50-01-SB-001 (15.5-16.0)	91-20-3	Naphthalene	44	U	UG/KG	44	44	6/5/2003 8:24	SN	42534	0305351-15
SE50-01-SB-001(13.0-13.5)D	91-20-3	Naphthalene	6200	D	UG/KG	480	480	6/10/2003 7:41	SN	42517	0305351-14DL
SE50-01-SB-101 (1.0-1.5)	91-20-3	Naphthalene	42	U	UG/KG	42	42	6/5/2003 8:42	SN	42551	0305351-18
SE50-01-SB-101 (1.0-1.5)DL	91-20-3	Naphthalene	170	U	UG/KG	170	170	6/10/2003 8:00	SN	42568	0305351-18DL
B060203GVOSK1	95-47-6	o-Xylene	40	U	ug/Kg	40	20	6/3/2003 13:38	8X	42358	B060203GVOSK1
B060203GVOSK1RE	95-47-6	o-Xylene	40	U	ug/Kg	40	20	6/4/2003 7:03	8X	42363	B060203GVOSK1RE
CWAN-01-SB-001 (12.5-13.0)	95-47-6	o-Xylene	48	U	ug/Kg	48	24	6/3/2003 14:55	8X	42318	0305351-03
CWAN-01-SB-001 (2.5-3.0)	95-47-6	o-Xylene	47	U	ug/Kg	47	23	6/3/2003 21:18	8X	42308	0305351-01
CWAN-01-SB-001 (7.5-8.0)	95-47-6	o-Xylene	110		ug/Kg	48	24	6/3/2003 21:57	8X	42313	0305351-02
RAM0-01-SB-001 (14.5-15.0)	95-47-6	o-Xylene	41	U	ug/Kg	41	21	6/3/2003 18:45	8X	42353	0305351-21
RAM0-01-SB-001 (4.0-4.5)	95-47-6	o-Xylene	42	U	ug/Kg	42	21	6/3/2003 17:28	8X	42343	0305351-19
RAM0-01-SB-001 (9.0-9.5)	95-47-6	o-Xylene	43	U	ug/Kg	43	21	6/3/2003 18:06	8X	42348	0305351-20
SE50-01-SB-001 (1.0-1.5)	95-47-6	o-Xylene	50	U	ug/Kg	50	25	6/4/2003 10:54	8X	42323	0305351-13
SE50-01-SB-001 (13.0-13.5)	95-47-6	o-Xylene	2100		ug/Kg	570	290	6/4/2003 11:33	8X	42328	0305351-14
SE50-01-SB-001 (15.5-16.0)	95-47-6	o-Xylene	53	U	ug/Kg	53	27	6/3/2003 16:50	8X	42333	0305351-15
SE50-01-SB-101 (1.0-1.5)	95-47-6	o-Xylene	50	U	ug/Kg	50	25	6/4/2003 12:11	8X	42338	0305351-18
B052803MPNSLC	85-01-8	Phenanthrene	33	U	UG/KG	33	33	6/4/2003 15:09	SN	42641	B052803MPNSLC
CWAN-01-SB-001 (12.5-13.0)	85-01-8	Phenanthrene	40	U	UG/KG	40	40	6/4/2003 17:01	SN	42454	0305351-03
CWAN-01-SB-001 (2.5-3.0)	85-01-8	Phenanthrene	1500		UG/KG	39	39	6/4/2003 15:46	SN	42386	0305351-01
CWAN-01-SB-001 (2.5-3.0)DL	85-01-8	Phenanthrene	1800	D	UG/KG	160	160	6/5/2003 10:14	SN	42403	0305351-01DL
CWAN-01-SB-001 (7.5-8.0)	85-01-8	Phenanthrene	3700	E	UG/KG	40	40	6/4/2003 16:42	SN	42420	0305351-02
CWAN-01-SB-001 (7.5-8.0)DL	85-01-8	Phenanthrene	5200	D	UG/KG	160	160	6/5/2003 10:33	SN	42437	0305351-02DL
RAM0-01-SB-001 (14.5-15.0)	85-01-8	Phenanthrene	34	U	UG/KG	34	34	6/5/2003 9:39	SN	42624	0305351-21
RAM0-01-SB-001 (4.0-4.5)	85-01-8	Phenanthrene	35	U	UG/KG	35	35	6/5/2003 9:01	SN	42590	0305351-19
RAM0-01-SB-001 (9.0-9.5)	85-01-8	Phenanthrene	35	U	UG/KG	35	35	6/5/2003 9:20	SN	42607	0305351-20
SE50-01-SB-001 (1.0-1.5)	85-01-8	Phenanthrene	1100		UG/KG	42	42	6/5/2003 7:46	SN	42471	0305351-13
SE50-01-SB-001 (1.0-1.5)DL	85-01-8	Phenanthrene	1400	D	UG/KG	170	170	6/5/2003 14:33	SN	42488	0305351-13DL
SE50-01-SB-001 (13.0-13.5)	85-01-8	Phenanthrene	10000		UG/KG	190	190	6/5/2003 14:52	SN	42505	0305351-14
SE50-01-SB-001 (15.5-16.0)	85-01-8	Phenanthrene	28	J	UG/KG	44	44	6/5/2003 8:24	SN	42539	0305351-15
SE50-01-SB-001(13.0-13.5)D	85-01-8	Phenanthrene	12000	D	UG/KG	480	480	6/10/2003 7:41	SN	42522	0305351-14DL
SE50-01-SB-101 (1.0-1.5)	85-01-8	Phenanthrene	580		UG/KG	42	42	6/5/2003 8:42	SN	42556	0305351-18
SE50-01-SB-101 (1.0-1.5)DL	85-01-8	Phenanthrene	920	D	UG/KG	170	170	6/10/2003 8:00	SN	42573	0305351-18DL
B052803MPNSLC	129-00-0	Pyrene	33	U	UG/KG	33	33	6/4/2003 15:09	SN	42635	B052803MPNSLC
CWAN-01-SB-001 (12.5-13.0)	129-00-0	Pyrene	40	U	UG/KG	40	40	6/4/2003 17:01	SN	42448	0305351-03
CWAN-01-SB-001 (2.5-3.0)	129-00-0	Pyrene	220		UG/KG	39	39	6/4/2003 15:46	SN	42380	0305351-01
CWAN-01-SB-001 (2.5-3.0)DL	129-00-0	Pyrene	220	D	UG/KG	160	160	6/5/2003 10:14	SN	42397	0305351-01DL
CWAN-01-SB-001 (7.5-8.0)	129-00-0	Pyrene	75		UG/KG	40	40	6/4/2003 16:42	SN	42414	0305351-02
CWAN-01-SB-001 (7.5-8.0)DL	129-00-0	Pyrene	160	U	UG/KG	160	160	6/5/2003 10:33	SN	42431	0305351-02DL
RAM0-01-SB-001 (14.5-15.0)	129-00-0	Pyrene	34	U	UG/KG	34	34	6/5/2003 9:39	SN	42618	0305351-21
RAM0-01-SB-001 (4.0-4.5)	129-00-0	Pyrene	35	U	UG/KG	35	35	6/5/2003 9:01	SN	42584	0305351-19
RAM0-01-SB-001 (9.0-9.5)	129-00-0	Pyrene	35	U	UG/KG	35	35	6/5/2003 9:20	SN	42601	0305351-20
SE50-01-SB-001 (1.0-1.5)	129-00-0	Pyrene	790		UG/KG	42	42	6/5/2003 7:46	SN	42465	0305351-13
SE50-01-SB-001 (1.0-1.5)DL	129-00-0	Pyrene	740	D	UG/KG	170	170	6/5/2003 14:33	SN	42482	0305351-13DL
SE50-01-SB-001 (13.0-13.5)	129-00-0	Pyrene	1000		UG/KG	190	190	6/5/2003 14:52	SN	42499	0305351-14
SE50-01-SB-001 (15.5-16.0)	129-00-0	Pyrene	44	U	UG/KG	44	44	6/5/2003 8:24	SN	42533	0305351-15
SE50-01-SB-001(13.0-13.5)D	129-00-0	Pyrene	950	D	UG/KG	480	480	6/10/2003 7:41	SN	42516	0305351-14DL

SE50-01-SB-101 (1.0-1.5)	129-00-0	Pyrene	380		UG/KG	42	42	6/5/2003 8:42	SN	42550	0305351-18
SE50-01-SB-101 (1.0-1.5)DL	129-00-0	Pyrene	400	D	UG/KG	170	170	6/10/2003 8:00	SN	42567	0305351-18DL
B060203GVOSK1	108-88-3	Toluene	60	U	ug/Kg	60	30	6/3/2003 13:38	8X	42355	B060203GVOSK1
B060203GVOSK1RE	108-88-3	Toluene	60	U	ug/Kg	60	30	6/4/2003 7:03	8X	42360	B060203GVOSK1RE
CWAN-01-SB-001 (12.5-13.0)	108-88-3	Toluene	71	U	ug/Kg	71	36	6/3/2003 14:55	8X	42315	0305351-03
CWAN-01-SB-001 (2.5-3.0)	108-88-3	Toluene	70	U	ug/Kg	70	35	6/3/2003 21:18	8X	42305	0305351-01
CWAN-01-SB-001 (7.5-8.0)	108-88-3	Toluene	72	U	ug/Kg	72	36	6/3/2003 21:57	8X	42310	0305351-02
RAM0-01-SB-001 (14.5-15.0)	108-88-3	Toluene	62	U	ug/Kg	62	31	6/3/2003 18:45	8X	42350	0305351-21
RAM0-01-SB-001 (4.0-4.5)	108-88-3	Toluene	63	U	ug/Kg	63	32	6/3/2003 17:28	8X	42340	0305351-19
RAM0-01-SB-001 (9.0-9.5)	108-88-3	Toluene	64	U	ug/Kg	64	32	6/3/2003 18:06	8X	42345	0305351-20
SE50-01-SB-001 (1.0-1.5)	108-88-3	Toluene	75	U	ug/Kg	75	38	6/4/2003 10:54	8X	42320	0305351-13
SE50-01-SB-001 (13.0-13.5)	108-88-3	Toluene	860	U	ug/Kg	860	430	6/4/2003 11:33	8X	42325	0305351-14
SE50-01-SB-001 (15.5-16.0)	108-88-3	Toluene	80	U	ug/Kg	80	40	6/3/2003 16:50	8X	42330	0305351-15
SE50-01-SB-101 (1.0-1.5)	108-88-3	Toluene	75	U	ug/Kg	75	38	6/4/2003 12:11	8X	42335	0305351-18

fs_Sample_ID_Client	fs_CAS_Number	fs_Analyte	ff_Result	fs_Flag	fs_Units	ff_PQL	ff_SDL	ft_Date_Analysis	fs_Fraction	bwk_Result_ID	fs_Sample_ID_Lab
ATOM-01-SD-01	FP	Flash Point (Setaflash)	200	>	degrees F			5/16/2003 0:00	FP	42236	0305162-07
CWAN-01-SD-01	FP	Flash Point (Setaflash)	200	>	degrees F			5/16/2003 0:00	FP	42240	0305162-11
DEAD-01-SD-01	FP	Flash Point (Setaflash)	200	>	degrees F			5/16/2003 0:00	FP	42232	0305162-03
EC50-01-SD-01	FP	Flash Point (Setaflash)	200	>	degrees F			5/16/2003 0:00	FP	42238	0305162-09
GRJN-01-SD-01	FP	Flash Point (Setaflash)	200	>	degrees F			5/16/2003 0:00	FP	42242	0305162-13
HRDR-01-SD-01	FP	Flash Point (Setaflash)	200	>	degrees F			5/16/2003 0:00	FP	42230	0305162-01
HRRT-01-SD-01	FP	Flash Point (Setaflash)	200	>	degrees F			5/16/2003 0:00	FP	42234	0305162-05
MNNW-01-SD-01	FP	Flash Point (Setaflash)	200	>	degrees F			5/16/2003 0:00	FP	42239	0305162-10
NE50-01-SD-01	FP	Flash Point (Setaflash)	200	>	degrees F			5/16/2003 0:00	FP	42243	0305162-14
NW70-01-SD-01	FP	Flash Point (Setaflash)	200	>	degrees F			5/16/2003 0:00	FP	42241	0305162-12
OSRC-02-SD-01	FP	Flash Point (Setaflash)	200	>	degrees F			5/16/2003 0:00	FP	42233	0305162-04
RAM0-01-SD-01	FP	Flash Point (Setaflash)	200	>	degrees F			5/16/2003 0:00	FP	42231	0305162-02
SE50-01-SD-01	FP	Flash Point (Setaflash)	200	>	degrees F			5/16/2003 0:00	FP	42237	0305162-08
SE70-01-SD-01	FP	Flash Point (Setaflash)	200	>	degrees F			5/16/2003 0:00	FP	42235	0305162-06
ATOM-01-SD-01	IT15-49-4	Oil Range Organics (C24-C40)	570		mg/Kg	45	45	5/14/2003 21:34	T8	42261	0305162-07
ATOM-01-SD-01DL	68334-30-5	Diesel Range Organics (C12-C24)	860	D	mg/Kg	220	220	5/16/2003 9:19	T8	42298	0305162-07DL
B051303GSVSLE	68334-30-5	Diesel Range Organics (C12-C24)	10	U	mg/Kg	10	10	5/14/2003 13:29	T8	42300	B051303GSVSLE
B051303GSVSLE	IT15-49-4	Oil Range Organics (C24-C40)	40	U	mg/Kg	40	40	5/14/2003 13:29	T8	42301	B051303GSVSLE
CWAN-01-SD-01	68334-30-5	Diesel Range Organics (C12-C24)	150		mg/Kg	11	11	5/14/2003 23:26	T8	42271	0305162-11
CWAN-01-SD-01	IT15-49-4	Oil Range Organics (C24-C40)	150		mg/Kg	44	44	5/14/2003 23:26	T8	42272	0305162-11
DEAD-01-SD-01	68334-30-5	Diesel Range Organics (C12-C24)	13	U	mg/Kg	13	13	5/14/2003 16:36	T8	42248	0305162-03
DEAD-01-SD-01	IT15-49-4	Oil Range Organics (C24-C40)	51	U	mg/Kg	51	51	5/14/2003 16:36	T8	42249	0305162-03
EC50-01-SD-01	IT15-49-4	Oil Range Organics (C24-C40)	58		mg/Kg	47	47	5/14/2003 22:12	T8	42264	0305162-09
EC50-01-SD-01DL	68334-30-5	Diesel Range Organics (C12-C24)	1500	D	mg/Kg	240	240	5/16/2003 7:07	T8	42294	0305162-09DL
GRJN-01-SD-01	68334-30-5	Diesel Range Organics (C12-C24)	35		mg/Kg	10	10	5/15/2003 0:41	T8	42279	0305162-13
GRJN-01-SD-01	IT15-49-4	Oil Range Organics (C24-C40)	140		mg/Kg	40	40	5/15/2003 0:41	T8	42280	0305162-13
HRDR-01-SD-01	68334-30-5	Diesel Range Organics (C12-C24)	1000	D	mg/Kg	57	57	5/15/2003 5:38	T8	42289	0305162-01
HRDR-01-SD-01	IT15-49-4	Oil Range Organics (C24-C40)	2400	D	mg/Kg	230	230	5/15/2003 5:38	T8	42290	0305162-01
HRRT-01-SD-01	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	5/14/2003 17:50	T8	42255	0305162-05
HRRT-01-SD-01DL	68334-30-5	Diesel Range Organics (C12-C24)	230	D	mg/Kg	51	51	5/16/2003 8:13	T8	42296	0305162-05DL
MNNW-01-SD-01	68334-30-5	Diesel Range Organics (C12-C24)	60		mg/Kg	10	10	5/14/2003 22:49	T8	42267	0305162-10
MNNW-01-SD-01	IT15-49-4	Oil Range Organics (C24-C40)	80		mg/Kg	42	42	5/14/2003 22:49	T8	42268	0305162-10
NE50-01-SD-01	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	5/15/2003 1:18	T8	42283	0305162-14
NE50-01-SD-01DL	68334-30-5	Diesel Range Organics (C12-C24)	1800	D	mg/Kg	210	210	5/16/2003 9:52	T8	42299	0305162-14DL
NW70-01-SD-01	68334-30-5	Diesel Range Organics (C12-C24)	69		mg/Kg	10	10	5/15/2003 0:03	T8	42275	0305162-12
NW70-01-SD-01	IT15-49-4	Oil Range Organics (C24-C40)	41	U	mg/Kg	41	41	5/15/2003 0:03	T8	42276	0305162-12
OSRC-02-SD-01	IT15-49-4	Oil Range Organics (C24-C40)	50	U	mg/Kg	50	50	5/14/2003 17:13	T8	42252	0305162-04
OSRC-02-SD-01DL	68334-30-5	Diesel Range Organics (C12-C24)	1200	D	mg/Kg	250	250	5/16/2003 7:40	T8	42295	0305162-04DL
RAM0-01-SD-01	68334-30-5	Diesel Range Organics (C12-C24)	16		mg/Kg	10	10	5/14/2003 14:43	T8	42244	0305162-02
RAM0-01-SD-01	IT15-49-4	Oil Range Organics (C24-C40)	42	U	mg/Kg	42	42	5/14/2003 14:43	T8	42245	0305162-02
SE50-01-SD-01	IT15-49-4	Oil Range Organics (C24-C40)	270	U	mg/Kg	270	270	5/15/2003 4:24	T8	42286	0305162-08
SE50-01-SD-01DL	68334-30-5	Diesel Range Organics (C12-C24)	25000	D	mg/Kg	2700	2700	5/16/2003 6:34	T8	42293	0305162-08DL
SE70-01-SD-01	IT15-49-4	Oil Range Organics (C24-C40)	290		mg/Kg	48	48	5/14/2003 20:57	T8	42258	0305162-06
SE70-01-SD-01DL	68334-30-5	Diesel Range Organics (C12-C24)	1000	D	mg/Kg	240	240	5/16/2003 8:46	T8	42297	0305162-06DL

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14. ABSTRACT
In calendar year 2005-2007, WSMR completed remediation at the following 11 diesel fuel contaminated sites; SE-50, SE-70, ORC Commo, Cowan, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch, Atom and Denver. WSMR completed excavation at the sites with confirmation sample collection indicating no remaining contamination left on site above NMED TPH Screening Levels. Results of the excavations are documented in this ACA report.

15. SUBJECT TERMS
AST, diesel fuel, Cowan, SE-50, SE-70, ORC Commo, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch, Atom, Denver, excavation, remediation, confirmation sample, TPH DRO, VOC, SVOC, disposal, backfill, clean fill, contaminated soil.

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REVISED ACCELERATED CORRECTIVE ACTION COMPLETION REPORT FOR REMEDIATION OF DIESEL CONTAMINATED SOIL AT MULTIPLE SITES: SWMUs 166, and 199-214
(CCWS Sites 27, 29-32, 34-39, 42, 43, and 53), WHITE SANDS MISSILE RANGE
(FACILITY ID # NM2750211235)

Submitted to:

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

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Submitted by:

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EXECUTIVE SUMMARY

In this report, White Sands Missile Range (WSMR) documents compliance activities conducted at locations on WSMR where contamination of soil from leaking above ground storage tanks (AST) was reported to have occurred. Compliance activities including investigation, remediation, documentation and reporting efforts for these sites are completed pursuant to WSMR's Resource Conservation and Recovery Act (RCRA) permit (WSMR Facility ID # NM2750211235) as administered by the New Mexico Environment Department (NMED) Hazardous Waste Bureau (HWB). The remedial actions addressed in this report were planned for and completed under the U.S. Army's Compliance Cleanup (CC) Program.

During a range-wide AST survey conducted in 1997-1999, WSMR personnel noted potential contamination from diesel ASTs at various locations on WSMR. Following the survey, WSMR personnel performed preliminary investigations at 16 locations on the range. At the time of the preliminary investigation conducted in May 2003, it was noted that the ASTs had been removed from all 16 sites. The preliminary investigation determined contamination had occurred to varying degrees at 14 of the 16 sites. Of this number, WSMR determined that 11 of the sites had diesel contamination above the November 2005 NMED Total Petroleum Hydrocarbon (TPH) Screening Guidelines. The remaining sites had contamination well below TPH Screening Guidelines and were determined to not require remediation.

In January 2004, WSMR submitted to the NMED HWB results of the preliminary investigation along with a petition to add these sites to the WSMR permit. Following a technical review of the WSMR report titled *"Addition of New Sites to the WSMR Solid Waste Management Unit/Corrective Action Unit Section of the Hazardous Waste Management Annual Unit Audit Listing" (January 2004)*, the NMED HWB submitted a letter dated 22 November 2004 which requested that WSMR submit a work plan detailing further investigation and remediation of each site. WSMR submitted a Voluntary Corrective Measures (VCM) work plan, drafted to meet the requirements of the NMED HWB in remediating the 11 diesel contaminated sites, to NMED HWB on 17 January 2006. The work plan is titled "*Voluntary Corrective Measures Implementation Work Plan, Diesel Contaminated Soil at 16 Above Ground Storage Tank Sites*."

The actions taken at the diesel contaminated sites were originally planned as VCMs, however, due to changes in regulations (20.4.2.208 NMAC; 8-18-2006), the action was re-named an Accelerated Corrective Action (ACA).

The approach and implementation for the ACA was to complete the following tasks for the 11 diesel contaminated sites:

- contaminated soil removal down to concentrations below the November 2005 NMED TPH Screening Guidelines and NMED Soil Screening Levels for residential exposure,
- confirmation sample collection in the floor and side walls of each excavation to show soil concentrations are below November 2005 NMED TPH Screening Guidelines and NMED Soil Screening Level (SSL) for residential exposure, and
- backfill of each excavation to existing grade with clean soil.

The ACA activities addressed in this report were planned for and conducted under the Army's CC Program. Cleanup activities directed at contamination primarily resulting from recent or current operations are separately funded and managed under the Army CC Program. Sites managed under the CC Program are given CC Identification (CCWS) numbers which are included along with Solid Waste Management Unit (SWMU) numbers for full site identification. Based on fiscal year 2005 funding, WSMR was able to complete remediation at two of the eleven contaminated sites in December 2005. The two sites are SE-50 (SWMU 208; CCWS 34) and SE-70 (SWMU 205; CCWS 31). Additional funding in fiscal year 2006 allowed remediation of the Oscura Range Center (ORC) Commo site (SWMU 203; CCWS 29) during June 2006. Remedial activities at these sites are detailed in the September 2006 report titled "*Voluntary Corrective Measures Report for Remediation of Diesel Contaminated Soil at the SE-50, SE-70, and ORC Commo Sites on White Sands Missile Range*."

Crews completed excavation at the eight remaining sites (Cowan, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch-01, Hardin Ranch-02, and Atom-02) during June-August 2007 with confirmation sample collection and analysis indicating that no contamination above November 2005 NMED Screening Guidelines was still

present at those sites. Results of the remediation activities are documented in this ACA report. Additionally, WSMR continued and completed excavation activities at Denver Site which was not included in the above listed work plan or preliminary investigation. Researchers took previous investigations and remedial actions at Denver Site not previously associated with this project. Excavation originally completed in January 2006 did not completely remove diesel contaminated soil due to potential interference with WSMR Range Road 316. During planning for remediation under this ACA, WSMR decided to complete the contaminated soil removal at Denver Site and resurface the roadway.

WSMR received a Notice of Disapproval (NOD) dated 7 August 2009 on the July 2008 Report titled "*Accelerated Corrective Action Completion Report for Remediation of Diesel Contaminated Soil (Multiple Sites: SWMUs 166 and 199-214)".* WSMR responded to these comments and have published them in this revised report. WSMR's comment response table is included.

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LIST OF ACRONYMS

ACA	Accelerated Corrective Action
AST	Above-Ground Storage Tank
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylene
CCP	Compliance Cleanup Program
CCWS	Compliance Cleanup White Sands
DRO	diesel range organics
ft	feet
HSWA	Hazardous and Solid Waste Amendment
HWB	Hazardous Waste Bureau
HWSF	Hazardous Waste Storage Facility
mg/kg	milligram per kilogram
NMED	New Mexico Environment Department
ORC	Oscura Range Center
RCRA	Resource Conservation and Recovery Act
SSL	soil screening level
SVOC	semi-volatile organic compound
SWMU	Solid Waste Management Unit
TCLP	Toxicity Characteristic Leaching Procedure
TPH	total petroleum hydrocarbon
VCA	Voluntary Corrective Action
VCM	Voluntary Corrective Measure
VOC	volatile organic compound
WSMR	White Sands Missile Range
WSNM	White Sands National Monument

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REVISED ACCELERATED CORRECTIVE ACTION COMPLETION REPORT FOR REMEDIATION OF DIESEL CONTAMINATED SOIL AT MULTIPLE SITES: SWMUs 166, and 199-214 (CCWS Sites 27, 29-32, 34-39, 42, 43, and 53), WHITE SANDS MISSILE RANGE (FACILITY ID # NM2750211235)

1.0 INTRODUCTION

In this report, White Sands Missile Range (WSMR) documents compliance activities conducted at locations on WSMR where contamination of soil from leaking above ground storage tanks (AST) was reported to have occurred. Compliance activities including investigation, remediation, documentation and reporting efforts for these sites are completed pursuant to WSMR's Resource Conservation and Recovery Act (RCRA) permit (WSMR Facility ID # NM2750211235) as administered by the New Mexico Environment Department (NMED) Hazardous Waste Bureau (HWB). The remedial actions addressed in this report were planned for and completed under the U.S. Army's Compliance Cleanup (CC) Program. The sites are listed below:

- Hardin Ranch-01 (SWMU 199; CCWS 27) CA
- Hardin Ranch-02 (SWMU 200; CCWS 27) CA
- Ram Site (SWMU 201; CCWS 42) NCA
- Dead Horse Site (SWMU 202; CCWS 43) NCA
- ORC Commo (SWMU 203; CCWS 29) CA
- Harriett Site (SWMU 204; CCWS 30) CA
- SE-70 Site (SWMU 205; CCWS 31) CA
- Atom-01 (SWMU 206; CCWS 32) NCA
- Atom-02 (SWMU 207; CCWS 32) CA
- SE-50 Site (SWMU 208; CCWS 34) CA
- EC-50 Site (SWMU 209; CCWS 35) CA
- Minnow Site (SWMU 210; CCWS 36) NCA
- Cowan Site (SWMU 211; CCWS 37) CA
- NW-70 Site (SWMU 212; CCWS 53) NCA
- Gran Jean Site (SWMU 213; CCWS 38) CA
- NE-50 Site (SWMU 214; CCWS 39) CA
- ~~Denver Site (SWMU 166; CCWS 18)~~

CA – Corrective Action required and completed

NCA – No Corrective Action required.

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During a range-wide AST survey conducted in 1997-1999, WSMR personnel noted potential contamination from diesel ASTs at various locations on WSMR. Following the survey, WSMR personnel

performed preliminary investigations at 16 locations on the range. The scope of the preliminary investigation was to provide an initial site assessment of the extent of diesel related contamination at each site. WSMR presented the results of this investigation in a letter report titled "*Initial Investigation at Sixteen AST Sites,"* dated 26 November 2003. At the time of the preliminary investigation, conducted in May 2003, personnel noted that ASTs had been removed from all 16 sites. The preliminary investigation determined contamination had occurred to varying degrees at 14 of the 16 sites. WSMR determined that 11 of the contaminated sites had total petroleum hydrocarbons (TPH) concentrations above the November 2005 NMED TPH Screening Guidelines. The remaining sites had contamination well below TPH Screening Guidelines and were determined to not require remediation. Of the original 16 sites, WSMR determined that Ram, Atom 1, Dead Horse, Minnow, and NW-70 sites did not require remediation based on results of the preliminary investigation.

WSMR submitted results of the preliminary investigation along with a petition titled *"Addition of New Sites to the WSMR Solid Waste Management Unit/Corrective Action Unit Section of the Hazardous Waste Management Annual Unit Audit Listing, January 2004,"* to the NMED HWB. Following a technical review of the WSMR petition, NMED HWB submitted a letter dated 22 November 2004 which requested that WSMR submit a work plan detailing further investigation and remediation of each site. Following this reporting, the sites were added as Solid Waste Management Units (SWMU) to WSMR's RCRA permit.

WSMR submitted a Voluntary Corrective Measures (VCM) work plan, titled, "*Voluntary Corrective Measures Implementation Work Plan, Diesel Contaminated Soil at 16 Above Ground Storage Tank Sites,"* (WTS, 2005) to NMED HWB on 17 January 2006. The VCM work plan was intended to meet the requirements of NMED HWB in remediating the 11 diesel contaminated sites that were found to exceed NMED TPH Screening Guidelines.

The actions taken at the diesel contaminated sites were originally planned as VCMs, however, due to changes in NMED's regulations (20.4.2.208 NMAC; 8-18-2006), the plan was re-named an Accelerated Corrective Action (ACA). The ACA activities addressed in this report were planned for and conducted under the Army's CC Program. Cleanup activities directed at contamination primarily resulting from recent or current operations are separately funded and managed under the Army CC Program. Sites managed under the CC Program are given CC Identification (CCWS) numbers which are included along with SWMU numbers for full site identification. Based on fiscal year 2005 funding, WSMR was able to complete remediation at contaminated sites SE-50 (SWMU 208; CCWS 34) and SE-70 (SWMU 205; CCWS 31) in December 2005. Additional funding in fiscal year 2006 allowed remediation of the Oscura Range Center (ORC) Commo site (SWMU 203; CCWS 29) during June 2006. Remedial activities at these sites are detailed in the September 2006 report titled "*Voluntary Corrective Measures Report for Remediation of Diesel Contaminated Soil at the SE-50, SE-70, and ORC Commo Sites on White Sands Missile Range,*" and are included in this report for complete documentation.

Excavation was completed at the eight remaining sites (Cowan, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch-01, Hardin Ranch-02, and Atom-02) during June-August 2007. Confirmation sample collection and analysis indicated no contamination above NMED Screening Guidelines was present at those sites. Results of the remediation activities are documented in this report. Additionally, WSMR continued and completed excavation activities at Denver Site (SWMU 166; CCWS 18) which was not included in the WTS (2005) work plan. Previous investigations and remedial actions were taken at Denver Site and are not previously associated with this project. Excavation originally completed in January 2006 did not completely remove diesel contaminated soil due to potential interference with WSMR Range Road 316. During planning for remediation for this ACA, WSMR decided to complete the contaminated soil removal at Denver site and resurface the roadway. Excavation of Denver Site was completed under this project according to the WTS (2005) work plan. A separate work plan for completion of remediation at Denver Site was not completed.

1.1 Objectives and Scope

The primary objectives of this report are to:

- Document the investigations and corrective actions completed to date at the following sites: Denver, Hardin Ranch-01 and - 02, ORC Commo, Harriett, SE-70, Atom-02, SE-50, EC-50, Cowan, Gran Jean, and NE-50 sites,

- Demonstrate that the ACA has achieved the completion criteria as described in the work plan "*Voluntary Corrective Measures Implementation Work Plan, Diesel Contaminated Soil at 16 Above Ground Storage Tank Sites.*"

WSMR outlined the approach for all field activities at the diesel contaminated sites in the November 2005 "*Voluntary Corrective Measures Implementation Work Plan, Diesel Contaminated Soil at 16 Above Ground Storage Tank Sites.*" The work plan outlines the approach for excavation, disposal of contaminated soils, and collection of confirmation samples. The work plan also describes backfill, following confirmation (by laboratory analysis) that clean-up goals were achieved.

In an effort to decrease costs associated with further characterization of the extent of contamination at each site, WSMR used a proactive approach for contaminated soil removal to concentrations below NMED TPH Screening Guidelines and Soil Screening Levels (November 2005). Field personnel used the Petroflag ® Test Kit to screen samples for hydrocarbons at the edges and base of each excavation prior to collection of confirmation samples in an effort to determine the required extent of excavation. The Petroflag® meter used to run samples has a range up to 2,000 mg/kg using a standard 10 g soil sample. Any concentration above this will register on the meter as "off scale". The method measurement range using the Petroflag ® test kit is from 10 – 10,000 mg/kg. The higher range (> 2,000 mg/kg) can be measured using a dilution (1 g soil sample) and multiplying the meter result by 10. For this project, when a reading of "off scale" was obtained, further Petroflag ® field analysis for a more accurate determination of TPH concentration > 2,000 mg/kg was not warranted. Any determination above NMED TPH Screening Guidelines warranted further excavation until the site was cleaned to below NMED standards.

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Following favorable Petroflag ® results (results less than the November 2005 TPH Screening Guidelines) field personnel collected confirmation samples from each excavation (base and sidewalls) for laboratory analysis to verify that contamination above the applicable screening levels were removed. The Petroflag ® screening tool was not used for the SE-50, SE-70, or the ORC Commo excavations due to availability to the field crew.

1.2 Location and Background of White Sands Missile Range

WSMR is a US Army test facility, the majority of which is situated within the Tularosa Basin, with areas along the western and northwestern boundary extending into the Jornada del Muerto Basin. WSMR is located in New Mexico, spanning across Doña Ana, Socorro, Lincoln, Otero, and Sierra counties. The WSMR Main Post area is located at the southwestern corner of the installation, approximately 27 miles east-northeast of Las Cruces, NM and 45 miles north of El Paso, Texas. WSMR headquarters and most installation support activities are located at the Main Post area.

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

1.2.1 Location and Background of the Remediated Sites

The sites are located at various locations across WSMR as shown in figure 1. These sites have served as support installations for WSMR's ongoing military mission. Originally, an AST was located at each site to provide diesel fuel for portable generators. At the time of the May 2003 preliminary investigation, personnel noted that -ASTs had been removed from each of the sites. The dates of these removals are not known.

During the 1997-1999 Range-wide AST survey of WSMR, personnel noted that ASTs had leaked diesel fuel. In February 1999, WSMR verbally notified the NMED Ground Water Quality Bureau chief of the

releases in accordance with New Mexico Administrative Code, Chapter 6.2, Section 1203 of Title 20.

Following the preliminary investigation, NMED HWB requested WSMR to provide a work plan detailing additional investigation and plans for remedial action. Following submittal of the work plan, WSMR chose to proceed with remediation of the sites under an ACA. WSMR selected this option to expedite clean closure of each site.

The former AST sites have been listed as SWMUs on table 4-1 (SWMU's Requiring Corrective Action) of WSMR's draft Resource Conservation and Recovery Act (RCRA) Permit (NM2750211235) dated 11 June 2007.

2.0 ENVIRONMENTAL SETTING

2.1 Climate

The Tularosa Basin within WSMR is located approximately 4,000 ft above mean sea level and is considered semi-arid. The region's climate is characterized by abundant sunshine throughout the year with relatively low humidity and a mild winter season. The average annual rainfall is approximately 12 inches, with most occurring during late summer storms, accompanied by hail and localized flash flooding during severe events. Snowfall is infrequent and rarely results in a deep or persistent snow cover. During summer months, the temperature ranges from an average high of 93º F to an average low of 65° F. During winter months, the average high is 59° F and the average low is 30° F.

2.2 Geology

The nature of the sedimentary deposits varies both laterally and vertically throughout the Tularosa Basin. Coarse-grained, poorly sorted sediments deposited near mountain fronts grade into fine-grained, well sorted sediments towards the center of the basin (Kelly, 1973). The majority of the sites discussed in this report consist of sediments deposited further from the mountain fronts and generally can contain a greater percentage of clay and gypsum. Site specific lithology is discussed in the following text for each site.

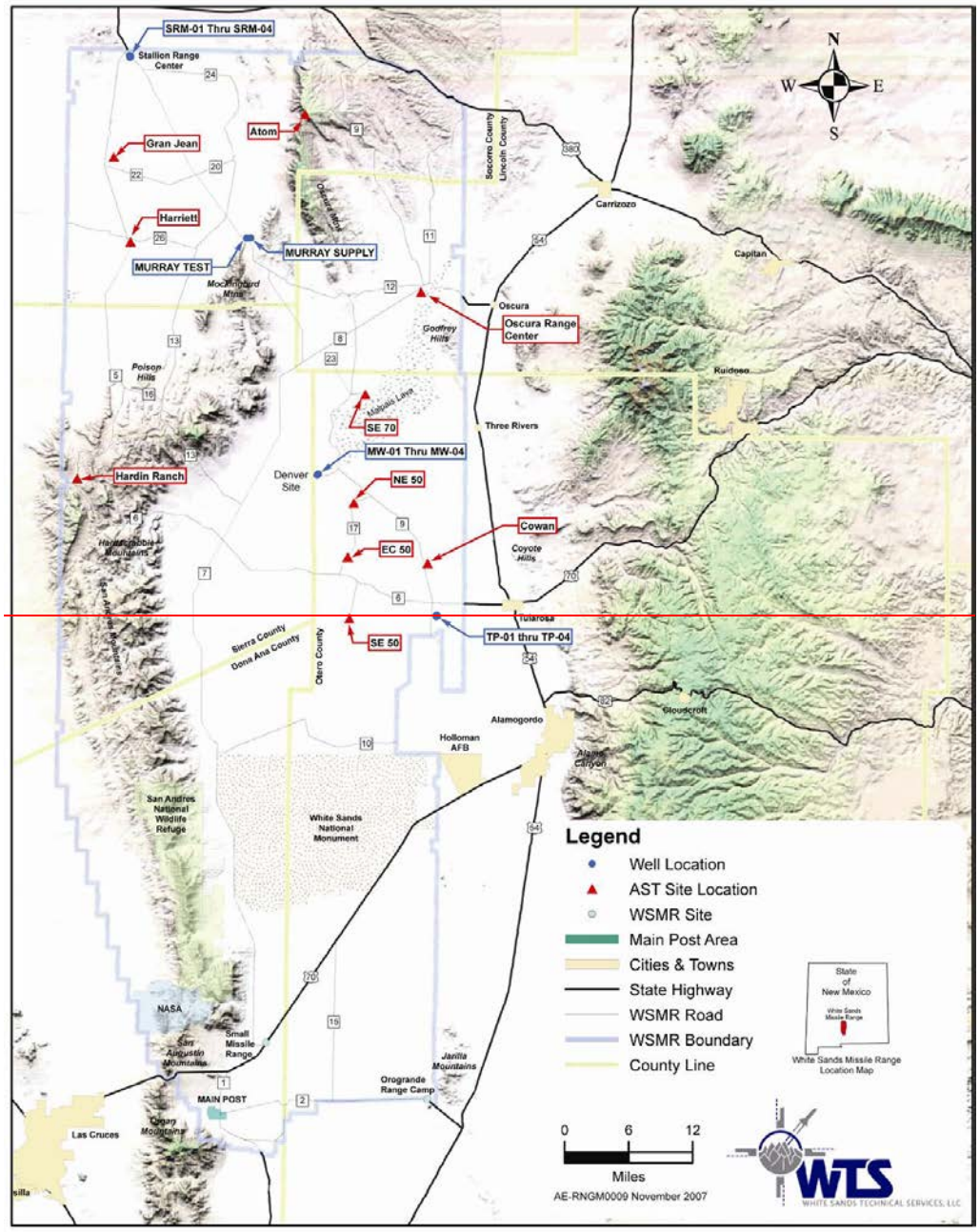

FIGURE 1.
SITE LOCATIONS ON WHITE SANDS MISSILE RANGE.

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2.3 Hydrology

2.3.1 Surface Water

There is no surface water at the sites, nor any significant features of seasonal surface water runoff. Topsoil conditions are generally favorable for rapid infiltration, and the majority of precipitation can be presumed to infiltrate locally to deeper subsurface layers or be lost to evapotranspiration.

2.3.2 Site Hydrogeological Profile

~~An estimated depth to ground water at Cowan, SE-50, EC-50, and NE-50 is 25-35 ft bgs based on wells at Denver Site (Denver MW-01 to MW-04 located to the north) and wells at Tula Gate Site (TP-02 to TP-04 located to the east). Depth to ground water at Denver Site is approximately 30 ft below ground surface (bgs). The ground water flow direction is not known but is expected to be roughly to the south for this region located near the center of the Tularosa Basin. An estimated depth to ground water at Gran Jean and Harriett is greater than 150 ft bgs based on monitoring wells located at Stallion Range Center (SRM-1 to SRM-4) to the north and supply wells located to the east (Murray Test and Murray Supply). Ground water at Atom Site and Hardin Ranch likely resides in fractured bedrock. Depth to water at these sites is unknown.~~No monitoring wells or supply wells were located sufficiently close enough to the remediation sites to determine depth to water, with the exception of the Denver site. Based on wells located at the site, depth to ground water is 26 feet below ground surface.

3.0 RESULTS OF CORRECTIVE ACTION

3.1 Denver Site (SWMU 166)

Denver Site was not included in the November 2005 "*Voluntary Corrective Measures Implementation Work Plan, Diesel Contaminated Soil at 16 Above Ground Storage Tank Sites*." Excavation originally completed in January 2006 did not completely remove diesel contaminated soil due to potential interference with WSMR Range Road 316. During planning for remediation for this ACA, WSMR decided to complete the contaminated soil removal at Denver Site and resurface the roadway if needed. The following sections discuss the previous action taken at Denver Site and the completed soil excavation conducted in July 2007 under this ACA.

3.1.1 Preliminary Investigations/Remediation (WTS, 2006)

During February 1999, several preliminary subsurface hand auger investigations were completed to estimate the horizontal and vertical extent of diesel contamination in the soil at Denver Site. From the hand auger investigations, two plumes of contamination were identified: beneath the former tank location, and beneath the equipment rack where generators were located.

Because the complete extent of contamination beneath the equipment rack was not be defined by the hand auger borings, a hollow stem auger drill rig was used to complete this effort, and to install piezometers and groundwater monitoring wells at the site.

The following tables denote the preliminary investigations results performed at the site. This work is described in more detail in the preliminary report (MEVATEC, 1999). Sample locations are shown in Figure 2.

During February 1999, a total of five hand auger borings were completed at the former tank location to determine the horizontal and vertical extent of diesel contamination. Table 1A shows results from the former tank location at Denver Site.

Table 1A. Detected DRO Results from the Denver AST Location. February 1999.

Sample Identification	White Sands Chemistry Laboratory

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	Analytical Results (ppm)	Detection Limit (ppm)
NMED TPH Screening Level	**520**	
Center Borehole		
depth 6"-12"	9,430	5
depth 4.5'-5.0'	14,500	5
depth 9.5'-10.0'	115	5
depth 14.5'-15.0'	71	5
depth 19.5'-20.0'	38	5
North Borehole	No detection above laboratory detection limits	
South Borehole	No detection above laboratory detection limits	
East Borehole		
East, depth 4.5'-5.0'	7	5
East, depth 9.0'-9.5'	5	5
West Borehole	No detection above laboratory detection limits	

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During removal of the product lines, significant diesel contamination was identified in the soil beneath the equipment rack. The contamination was located beneath a 90-degree connection in the product lines, approximately 2-ft bgs. During 18-22 February 1999, a total of ten additional hand auger borings were completed at the equipment rack to determine the horizontal and vertical extent of diesel contamination. Table 1B lists DRO results from samples collected beneath the product line.

Table 1B. Detected DRO Results from Beneath the Denver Product Line. February 1999.

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Sample Identification	White Sands Chemistry Laboratory	
	Analytical Results (ppm)	Detection Limit (ppm)
NMED TPH Screening Level	**520**	
Center Borehole (ER-C)		
ER-C, depth 3.5'-4.0'	5,840	5
ER-C, depth 9.5'-10.0'	44,400	5
ER-C, depth 14.5'-15.0'	7,760	5
ER-C, depth 19.5'-20.0'	12,900	5
ER-C, depth 23.5'-24.0'	9,640	5
West Boreholes (ER-West & ER-W2)		
ER, West, depth 4.5'-5.0'	11	5
ER, West, depth 9.5'-10.0'	7,590	5
ER, West, depth 14.5'-15.0'	4,080	5
ER-W2, depth 6"-12"	7	5
ER-W2, depth 14.5'-15.0'	5	5
East Boreholes (ER-E & ER-E2)		
ER-E, depth 6"-12"	431	5
ER-E, depth 4.5'-5.0'	61	5
ER-E2, depth 10.0'-15.0'	63	5
North Boreholes (ER-N & 316-North1)		
ER-N, depth 1.0'-1.5'	9	5
ER-N, depth 4.5'-5.0'	10	5
ER-N, depth 9.5'-10.0'	5	5
South Boreholes (ER-S, ER-S2, & ER-S3)		
ER-S, depth 6"-12"	1,520	5
ER-S, depth 4.5'-5.0'	2,800	5
ER-S, depth 9.5'-10.0'	153	5

ER-S2, depth 4.5'-5.0'	6	5
ER-S2, depth 9.5'-10.0'	1,880	5
ER-S3, depth 9.5'-10.0'	11	5

Using the results of the previous investigations, a hollow-stem auger drill rig was used to further define the horizontal and vertical extent of diesel contamination by completing additional soil borings at the Denver site. Table 1C summarizes DRO detections from the additional soil borings.

Table 1C. Detected DRO Results, Additional Soil Borings (1999).

Sample Identification	Trace Analysis Inc.		White Sands Chemistry Lab	
	Analytical Results (mg/kg)	Detection Limit (mg/kg)	Analytical Results (mg/kg)	Detection Limit (mg/kg)
NMED TPH Screening Level	**520**			
Soil Boring 05				
31010-SB-05-(4.5-5.0)	9,500	50	No sample	--
31010-SB-05-(9.5-10.0)	38,000	50	No sample	--
31010-SB-05-(14.5-15.0)	12,000	50	7,490	5
31010-SB-05-(19.5-20.0)	2,100	50	No sample	--
31010-SB-05-(24.5-25.0)	1,000	50	No sample	--
31010-SB-05-(29.5-30.0)	700	50	No sample	--
Soil Boring 06	**No detection above laboratory detection limits**			
Soil Boring 07				
31010-SB-07-(24.5-25.0)	110	50	No sample	--
Soil Boring 08				
31010-SB-08-(29.5-30.0)	840	50	No sample	--
Soil Boring 09				
31010-SB-09-(24.5-25.0)	1,200	50	No sample	--
Soil Boring 10	**No detection above laboratory detection limits**			
Soil Boring 11	**No detection above laboratory detection limits**			
Soil Boring 12	**No detection above laboratory detection limits**			
Soil Boring 13	**No detection above laboratory detection limits**			
Playa Lake	**No detection above laboratory detection limits**			

Following the previously described site investigations, WSMR performed an RFI at the Denver site (Mevatec, 2002). This latest investigation took place from February through April, 2002. It involved advancing a total of ten soil borings in the vicinities of the former diesel AST and the fueling rack, collecting soil samples from the new soil borings. The soil samples were analyzed for VOCs (including MTBE), SVOCs (including naphthalene and phenanthrene), and RCRA metals (including lead). Table 1D (Attachment 1) lists detected results from the RFI sampling event. Sample locations are shown on Figure 2.

Remediation efforts carried out during the January 2006 VCA at Denver Site were based on the *Final Work Plan Voluntary Corrective Action at the Denver Site on White Sands Missile Range* (BAE Systems, 2004). Results of the January 2006 Voluntary Corrective Action (VCA) are detailed in the June 2006

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report "*Voluntary Corrective Action Completion Report Former Diesel AST at Denver Site (SWMU 166) White Sands Missile Range Facility ID NM2750211235*" and summarized in this section.

The areas of excavation were delineated based on borehole locations (figure 2) still visible from past investigations and GPS coordinates obtained from a handheld GPS unit. Excavation, disposal, sampling, and backfill took place 16 through 21 January 2006. Once the excavations had reached the initial limits, researchers collected confirmation samples from the walls and floor of each excavation. Results of initial sampling (table 1) analyzed by the WSMR Lab indicated additional excavation along the north side-wall at the former equipment rack/generator location was warranted. Crews removed an additional 2 ft of contaminated soil from the entire face of the north side-wall. Due to the proximity of the road surface and the potential of damage resulting from sloughing in the excavation, WSMR decided to cease excavation at that point, collect an additional confirmation sample from the north side-wall, and begin backfilling the excavation. Based on the findings of prior investigations, researchers assumed the vast majority of the concentrated contamination had been removed.

Approximately 420 cubic yards of contaminated soil was removed during the January 2006 VCA at Denver Site. The excavation at the former location of the AST reached a depth of 10 ft while the excavation at the former equipment rack reached a depth of approximately 21 ft. Contaminated soil was loaded onto 20 cubic yard tractor trailers and transported from the site. Rhino Environmental Services, Inc. transported the contaminated soil to their treatment facility on Highway 54 in Otero County, N M.

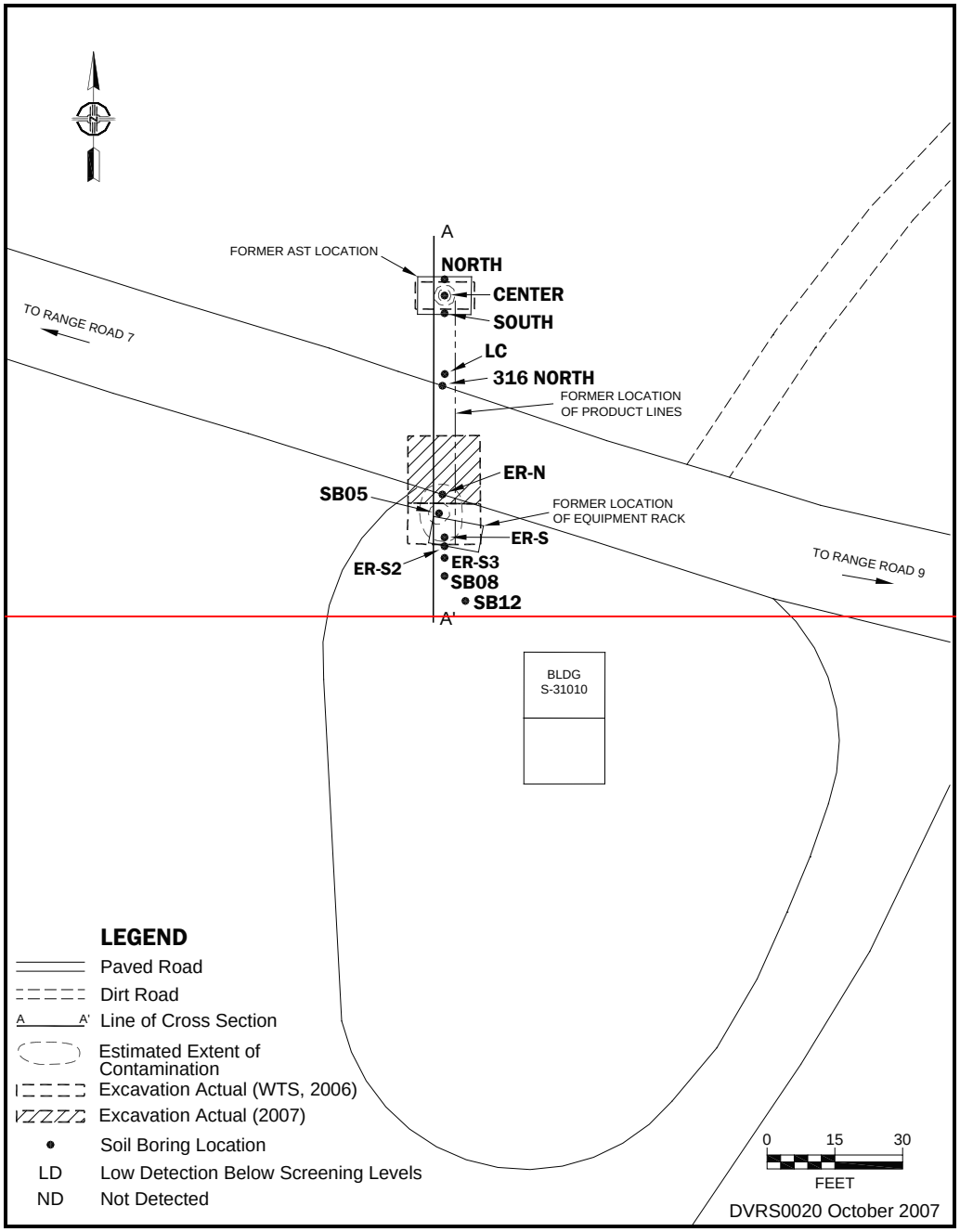

FIGURE 2. PLAN VIEW MAP OF THE DENVER SITE.

WSMR carried out confirmation sampling at each of the excavation sites on 17 January 2006 (table 1E). No Volatile Organic Compounds (VOCs) or Semi-Volatile Organic Compounds (SVOCs) were detected above November 2005 NMED Residential SSLs. Results of TPH Diesel Range Organics (DRO) analysis confirmed the excavation at the former AST location was complete and no contamination from the diesel fuel was still present. TPH DRO results from the former generator location indicated contamination above NMED TPH Screening Guidelines (8,650 mg/kg) was still present on the north side wall of the excavation. As stated above, WSMR decided at that time to halt the excavation due to the potential for damage to WSMR Range Road 316. The site was backfilled on 21 January 2006.

TABLE 1E. INITIAL CONFIRMATION SAMPLING DENVER SITE

Sample ID	Analyte	Concentration (mg/kg)
SWMU-166-AST-101	TPH-DRO (EPA 418.1)	<10
SWMU-166-AST-102	TPH-DRO (EPA 418.1)	<10
SWMU-166-AST-103	TPH-DRO (EPA 418.1)	<10
SWMU-166-AST-104	TPH-DRO (EPA 418.1)	<10
SWMU-166-AST-105	TPH-DRO (EPA 418.1)	<10
SWMU-166-GEN-101	TPH-DRO (EPA 418.1)	8,650
SWMU-166-GEN-102	TPH-DRO (EPA 418.1)	26
SWMU-166-GEN-103	TPH-DRO (EPA 418.1)	10
SWMU-166-GEN-104	TPH-DRO (EPA 418.1)	<10
SWMU-166-GEN-105	TPH-DRO (EPA 418.1)	<10

3.1.2 Results of Corrective Action Completion

WSMR conducted remediation completion at Denver Site from 6 July 2007 – 12 July 2007. Crews first commenced excavation close to the Range Road 316 roadway. The location of the previous excavation was evident by obvious settling seen at the site from the previous backfill in January 2006. Diesel contaminated soil was evident at this location. The excavation was extended to the north, east and west, following the contamination. The excavation was not extended in the southern direction due to field evidence of clean soil/backfill in that direction. The excavation was extended in the contaminated soil direction until no physical evidence remained of further contamination in that direction. The excavation extended into the roadway approximately 10 ft, requiring destruction of the pavement. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 3.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. The excavation was completed using a backhoe. Additionally, a Petroflag ® Test Kit was used to screen samples at the edges and base of the excavation. Crews ultimately extended the excavation at the former AST at Denver Site to a depth of approximately 20 ft bgs. The sides of the excavation measured approximately 18 ft X 15 ft. Eight test kits were run using the Petroflag ® system (table 2). Results ranged from 0 mg/kg to off scale (>2,000 mg/kg) full range hydrocarbons. Excavation continued in the direction of soil samples having analysis greater than the 520 mg/kg TPH Residential Screening Guideline until results indicated lower concentrations. Excavation was halted following results of the Petroflag analysis indicating the sides and base of the excavation were clean. Personnel completed soil staging, transport, backfill, and grading as described in Sections 3.1.2.1 and 3.1.2.2. Photographs 1-4 show the Denver Site excavation.

Table 2. Petroflag ® Field Screening Results for Denver Site.

Field Sample Location	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Contaminated soil stockpile	>2,000	Not applicable
South side wall at 10 feet bgs	0	No further excavation to south
North side wall at 17 feet bgs	>2,000	Further excavation to north
Base sample near south side	108	No further excavation down
East side wall at 17 feet bgs	382	No further excavation to east
Base sample near north side	0	No further excavation down
North side wall at 15 feet bgs	60	No further excavation to north
West side wall at 15 feet bgs	7	No further excavation to west

PHOTOGRAPH 1.
SURFACE CRACKING AT DENVER SITE INDICATED EXTENT OF THE PREVIOUS JANUARY 2006 EXCAVATION.
The July 2007 excavation began near this point and continued in all directions until no evidence of contamination was discernable. Photograph taken looking west**.**

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PHOTOGRAPH 2.
INITIAL STAGES OF EXCAVATION AT DENVER SITE.
Photograph taken looking north.

PHOTOGRAPH 3.
DENVER SITE EXCAVATION NEAR COMPLETION.
Photograph taken looking north-west.

PHOTOGRAPH 4.
TRAFFIC CONTROL MEASURES TAKEN AT DENVER SITE DURING EXCAVATION.
Photograph taken looking east.

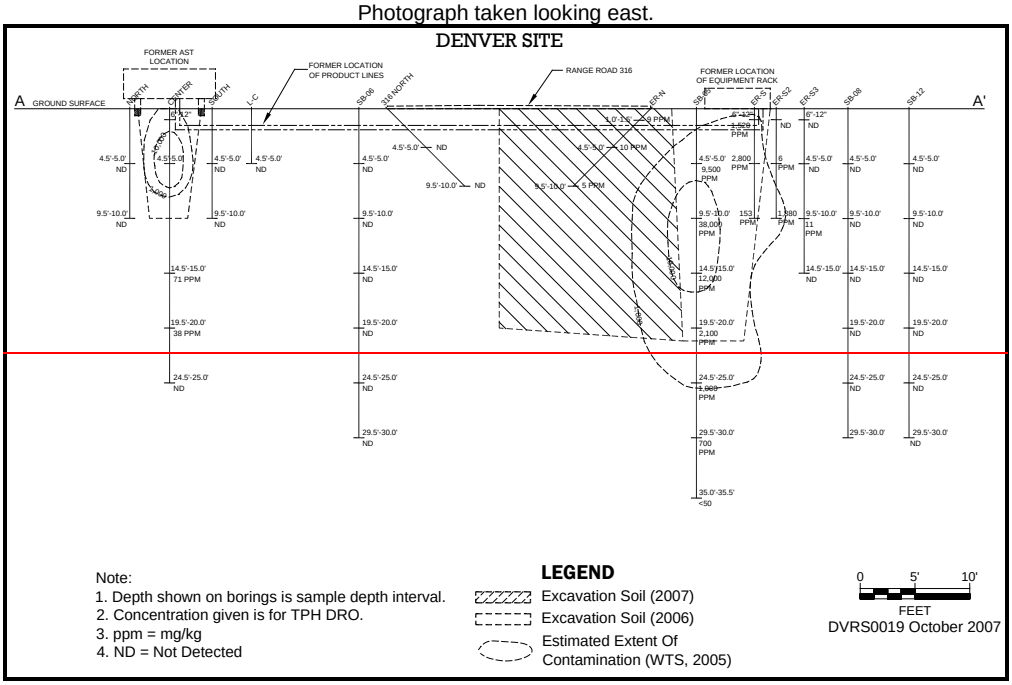

FIGURE 3. APPROXIMATE EXTENT OF EXCAVATION AT DENVER SITE.
The final excavation dimensions were approximately 18 ft X 15 ft X 20 ft.

3.1.2.1 Soil Staging and Transport

Crews placed excavated contaminated soil directly at a polyethylene sheeting staging area immediately by the excavation (photograph 5). Clean backfill material was staged at a similar unlined location at the site. Transport vehicles (trucks hauling 20-cubic-yard belly-dump trailers) arriving at the site during field work would first drop a load of clean backfill material and then proceed to be loaded with diesel-contaminated material. Covers were then placed over the open trailer tops and the diesel-contaminated soil shipment tracked by use of a non-hazardous waste manifest. Original copies of the waste manifests are on file with WSMR's Environment and Safety Directorate. Photocopies of the waste manifests are included in Appendix A.

3.1.2.2 Backfill and Grading

Crews obtained borrow material from one off-WSMR source selected by the excavation and disposal contractor. The source was sampled for total RCRA metals prior to being accepted by WSMR for use. The analytical results of this test are shown in table 3~~2~~ with the laboratory report included in appendix B.

Based on the analytical results of these samples, the borrow location (Rhino Environmental Services, Inc. Land Farm) were approved for use for this site. Following confirmation of successful remediation, personnel filled the excavation with the approved backfill material and compacted it using water, heavy equipment packing, roll-over, and a portable compactor. Personnel field tested and laboratory tested the backfilled excavation for density and moisture beneath the roadway to meet project specifications for repavement. Terracon of Las Cruces, NM, completed the testing. Results of testing are included in appendix D. Following compacting, Alamo Earth Work and Paving of Alamogordo, NM, repaved the section of roadway impacted by the excavation. The completed site is shown in photograph 6.

PHOTOGRAPH 5.
SOIL STAGING LOCATION AT DENVER SITE.

Photograph taken looking south-west.

TABLE 32. RESULTS OF TOTAL RCRA METALS ANALYSIS FOR CLEAN BACKFILL				
Analyte	**Method**	**Clean Fill Results mg/kg**	**NMED Soil Screening Level mg/kg**	**Maximum Concentration for TCLP mg/l**
Total Arsenic	6010B	<0.25	3.9	5.0
Total Barium	6010B	35.3	5,450	100.0
Total Cadmium	6010B	<0.25	74.1	1.0
Total Chromium	6010B	5.76	234	5.0
Total Lead	6010B	8.46	400	5.0
Total Selenium	6010B	<0.5	391	1.0
Total Silver	6010B	<0.25	391	5.0
Total Mercury	7471A	< 0.02	23	0.2

PHOTOGRAPH 6.
DENVER SITE AFTER COMPLETION OF BACKFILL AND REPAVING.

Photograph taken looking south-east.

3.1.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from the site, it is reported that 240 cubic yards of contaminated soil was removed from Denver during the July 2007 ACA. This material was taken to a licensed landfarm in Otero County, NM (DP-1051) (Rhino Environmental Services) for further remediation and handling under the requirements and operating procedures of that facility. Combined with the previous excavation conducted in January 2006, at total of 660 cubic yards of contaminated soil was removed from Denver Site.

3.1.4 Verification of Remediation

Prior to excavation backfill, Trace Analysis of Lubbock, Texas, analyzed confirmation soil samples to verify that clean-up objectives were met. The confirmation sidewall sample locations were preferentially selected in locations most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Personnel collected samples directly from the backhoe bucket after directing the operator where to excavate the sample. Personnel then transferred discrete soil samples from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 4~~3~~. Detected organic compounds are listed in table 5. Additionally, personnel collected an equipment blank using Type II water poured over the sample bowls following decontamination and analyzed for the above listed contaminants. No contaminants of concern were detected that would indicate the sampling equipment would contaminate subsequent samples. Confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding November 2005 NMED Residential Soil Screening Levels. Metals are not expected to be associated with diesel fuel, however, WSMR analyzed for RCRA metals to determine their concentrations at the site. They detected no TPH DRO in any confirmation samples at a reporting limit of 50 mg/kg nor did they detect any VOCs or SVOCs in any confirmation samples from the Denver Site excavation with the exception of bis(2-ethylhexyl)phthalate.

Bis(2-ethylhexyl)phthalate was detected in two samples at a highest concentration of 2.96 mg/kg ~~in one confirmation sample~~.~~.~~ ~~This~~ These two detections ~~is~~ are likely a laboratory artifact and not the result of contamination from the site. The NMED SSL for bis(2-ethylhexyl)phthalate (June 2006) is 347 mg/kg. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at concentrations above regulatory levels.

TABLE 4~~3~~. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS DENVER SITE

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0166-CF-001-5.0 South side wall sample at 5 ft	<50	<0.250	<2	3.40	<0.200	<0.500	<0.040	<1.00	<2.00
0166-CF-002-20.0 Base sample near south wall at 20 ft	<50	<0.250	<2	227	<0.200	5.36	<0.040	<1.00	<2.00

0166-CF-003-20.0 East side wall sample at 20 ft	<50	<0.250	<2	29	<0.200	1.97	<0.040	<1.00	<2.00
0166-CF-004-20.0 Base sample near north wall at 20 ft	<50	<0.250	<2	420	0.425	8.40	<0.040	<1.00	<2.00
0166-CF-104-20.0 Duplicate of -004	<50	<0.250	<2	340	0.373	7.67	<0.040	<1.00	<2.00
0166-CF-005-20.0 North side wall sample at 20 ft	<50	<0.250	<2	48.9	0.202	4.77	<0.040	<1.00	<2.00
0166-CF-006-15.0 West side wall sample at 15 ft	<50	<0.250	<2	23.7	<0.200	0.896	<0.040	<1.00	<2.00
< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).									

TABLE 5. LABORATORY ORGANIC DETECTIONS DENVER SITE

Sample ID	Test	Method	Units	Parameter	Result	SS
0166-CF-002-20.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	0.566	347
0166-CF-001-5.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	2.96	347

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3.2 Hardin Ranch (SWMUs 199-200)

3.2.1 Preliminary Investigation (BAE Systems, 2003)

The AST survey performed at Hardin Ranch Site (photograph 7) identified two separate potential environmental release areas associated with two separate ASTs [Hardin-01 (SWMU 199; CCWS 27) and Hardin-02 (SWMU 200; CCWS 27)]. The preliminary investigation at the site identified noticeable odors and the presence of free product in the shallow subsurface. Soils at the site generally appear to be silty clays down to at least 13.5 ft bgs. Approximate depth to ground water at this site is unknown. ~~Personnel located no reliable data from wells pertaining to this area.~~Hardin Ranch is a former ranch property that is now in the possession of WSMR and is contained within WSMR property. WSMR knows of no wells located in the vicinity of Hardin Ranch. No private wells exist in the area.

PHOTOGRAPH 7.
HARDIN RANCH SITE, PRELIMINARY INVESTIGATION.
Photograph taken looking west.

Analysis of soil samples obtained from direct push borings at the Hardin-01 location detected DRO as high as 71,000 mg/kg (soil boring HRDR-01-SB-01), exceeding the TPH screening guideline for residential direct exposure of 520 mg/kg. Researchers detected toluene, ethylbenzene, xylenes at the site, but none at concentrations exceeding the corresponding residential Soil Screening Level.

Analysis of soil samples at the Hardin-02 release site detected DRO as high as 1,400 mg/kg (soil boring HRDR-02-SB-03), also exceeding the residential screening guideline, but analytical results from borings in this area generally describe a low volume release. Analytical results suggested a significant level of contamination by diesel fuel, with multiple detections of DRO exceeding the NMED TPH residential screening guideline of 520 mg/kg for diesel fuel.

3.2.1.1 Extent of Contamination from the Preliminary Investigation

Hardin Ranch Site has two former AST locations that were underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 4 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. It was originally estimated that approximately 67 cubic yards of contaminated soil was beneath Hardin-01 Site and 56 cubic yards of contaminated soil beneath Hardin-02 Site. Actual excavation dimensions are shown superimposed over the original estimate on figure 4. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 5. Table 6 lists detected anaytes from the preliminary investigation.

TABLE 6. PRELIMINARY INVESTIGATION DETECTED RESULTS HARDIN RANCH SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED
HRDR-01-SD-01	HRDR01	surface	5/6/2003	Flash Point (Setaflash)	200	>	degrees F	NE
HRDR-01-SD-01	HRDR01	surface	5/6/2003	Diesel Range Organics (C12-C24)	1000	D	mg/Kg	520
HRDR-01-SD-01	HRDR01	surface	5/6/2003	Oil Range Organics (C24-C40)	2400	D	mg/Kg	2,500
HRDR-01-SB-001-(2.5-3.0)DL	HRDR01-SB01	02.5-3.0	5/26/2003	Diesel Range Organics (C12-C24)	1200	D	mg/Kg	520
HRDR-01-SB-001-(2.5-3.0)	HRDR01-SB01	02.5-3.0	5/26/2003	Bromofluorobenzene	101		µg/Kg	NE
HRDR-01-SB-001-(2.5-3.0)	HRDR01-SB01	02.5-3.0	5/26/2003	Oil Range Organics (C24-C40)	63		mg/Kg	2,500
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Bromofluorobenzene	130		µg/Kg	NE
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	2-Methylnaphthalene	43000	D	µg/Kg	NE
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Acenaphthene	4700	D	µg/Kg	3,440,000
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Fluorene	5600	D	µg/Kg	2,290,000
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Naphthalene	5000	D	µg/Kg	45,000
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Phenanthrene	22000	D	µg/Kg	1,830,000
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Diesel Range Organics (C12-C24)	36000	D	mg/Kg	520
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	2-Methylnaphthalene	38000	E	µg/Kg	NE
HRDR-01-SB-001-(7.5-8.0)DL	HRDR01-SB01	07.5-8.0	5/26/2003	Pyrene	610	JD	µg/Kg	1,720,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Toluene	170	P	µg/Kg	5,570,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Acenaphthene	3700		µg/Kg	3,440,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Ethyl Benzene	2900		µg/Kg	69,600
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Fluoranthene	390		µg/Kg	2,290,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Fluorene	4300		µg/Kg	2,290,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	m,p-Xylene	11000		µg/Kg	1,090,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Naphthalene	4700		µg/Kg	45,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	o-Xylene	6900		µg/Kg	9,550,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Phenanthrene	18000		µg/Kg	1,830,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Pyrene	820		µg/Kg	1,720,000
HRDR-01-SB-001-(7.5-8.0)	HRDR01-SB01	07.5-8.0	5/26/2003	Oil Range Organics (C24-C40)	520		mg/Kg	2,500
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	2-Methylnaphthalene	100000	D	µg/Kg	NE
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Acenaphthene	2900	D	µg/Kg	3,440,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Fluorene	3800	D	µg/Kg	2,290,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Naphthalene	27000	D	µg/Kg	45,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Phenanthrene	27000	D	µg/Kg	1,830,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Diesel Range Organics (C12-C24)	71000	D	mg/Kg	520
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	2-Methylnaphthalene	78000	E	µg/Kg	NE
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Ethylbenzene	3200	E	µg/Kg	69,600
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	m,p-Xylene	6300	E	µg/Kg	1,090,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	o-Xylene	4900	E	µg/Kg	9,550,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Pyrene	390	J	µg/Kg	1,720,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Ethylbenzene	5000		µg/Kg	69,600
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	m,p-Xylene	16000		µg/Kg	1,090,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	o-Xylene	9400		µg/Kg	9,550,000
HRDR-01-SB-001-(10.5-11)DL	HRDR01-SB01	10.5-11.0	5/26/2003	Toluene	510		µg/Kg	5,570,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Acenaphthene	2400		µg/Kg	3,440,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Fluorene	2600		µg/Kg	2,290,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Naphthalene	25000		µg/Kg	45,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Phenanthrene	23000		µg/Kg	1,830,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Toluene	490		µg/Kg	5,570,000
HRDR-01-SB-001-(10.5-11.0)	HRDR01-SB01	10.5-11.0	5/26/2003	Oil Range Organics (C24-C40)	620		mg/Kg	2,500

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TABLE 6. PRELIMINARY INVESTIGATION DETECTED RESULTS HARDIN RANCH SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED
HRDR-01-SB-001-(13-13.5)DL	HRDR01-SB01	13.0-13.5	5/26/2003	Diesel Range Organics (C12-C24)	1400	D	mg/Kg	520
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	2-Methylnaphthalene	1700		µg/Kg	NE
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	Acenaphthene	120		µg/Kg	3,440,000
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	Bromofluorobenzene	100		µg/Kg	NE
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	Fluorene	130		µg/Kg	2,290,000
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	Naphthalene	190		µg/Kg	45,000
HRDR-01-SB-001-(13.0-13.5)	HRDR01-SB01	13.0-13.5	5/26/2003	Phenanthrene	750		µg/Kg	1,830,000
HRDR-01-SB-003-(3.5-4.0)	HRDR01-SB03	03.5-4.0	5/26/2003	Diesel Range Organics (C12-C24)	94		mg/Kg	520
HRDR-01-SB-003-(7.5-8.0)DL	HRDR01-SB03	07.5-8.0	5/26/2003	Diesel Range Organics (C12-C24)	20000	D	mg/Kg	520
HRDR-01-SB-003-(7.5-8.0)	HRDR01-SB03	07.5-8.0	5/26/2003	Oil Range Organics (C24-C40)	260		mg/Kg	2,500
HRDR-01-SB-003-(11-11.5)DL	HRDR01-SB03	11.0-11.5	5/26/2003	Diesel Range Organics (C12-C24)	16000	D	mg/Kg	520
HRDR-01-SB-003-(11.0-11.5)	HRDR01-SB03	11.0-11.5	5/26/2003	Oil Range Organics (C24-C40)	240		mg/Kg	2,500
HRDR-01-SB-004-(7.5-8.0)	HRDR01-SB04	07.5-8.0	5/26/2003	Oil Range Organics (C24-C40)	73		mg/Kg	2,500
HRDR-02-SB-001-(2.5-3.0)	HRDR02-SB01	02.5-3.0	5/26/2003	Bromofluorobenzene	95		µg/Kg	NE
HRDR-02-SB-001-(2.5-3.0)	HRDR02-SB01	02.5-3.0	5/26/2003	Diesel Range Organics (C12-C24)	40		mg/Kg	520
HRDR-02-SB-001-(2.5-3.0)	HRDR02-SB01	02.5-3.0	5/26/2003	Oil Range Organics (C24-C40)	100		mg/Kg	2,500
HRDR-02-SB-001-(7.5-8.0)	HRDR02-SB01	07.5-8.0	5/26/2003	Bromofluorobenzene	100		µg/Kg	NE
HRDR-02-SB-001-(7.5-8.0)	HRDR02-SB01	07.5-8.0	5/26/2003	Oil Range Organics (C24-C40)	59		mg/Kg	2,500
HRDR-02-SB-001-(10.0-10.5)	HRDR02-SB01	10.0-10.5	5/26/2003	Bromofluorobenzene	94		µg/Kg	NE
HRDR-02-SB-001-(10.0-10.5)	HRDR02-SB01	10.0-10.5	5/26/2003	Diesel Range Organics (C12-C24)	18		mg/Kg	520
HRDR-02-SB-003-(3.5-4.0)DL	HRDR02-SB03	03.5-4.0	5/26/2003	Diesel Range Organics (C12-C24)	850	D	mg/Kg	520
HRDR-02-SB-003-(3.5-4.0)	HRDR02-SB03	03.5-4.0	5/26/2003	Oil Range Organics (C24-C40)	150		mg/Kg	2,500
HRDR-02-SB-003-(7.5-8.0)DL	HRDR02-SB03	07.5-8.0	5/26/2003	Diesel Range Organics (C12-C24)	470	D	mg/Kg	520
HRDR-02-SB-003-(7.5-8.0)	HRDR02-SB03	07.5-8.0	5/26/2003	Oil Range Organics (C24-C40)	80		mg/Kg	2,500
HRDR-02-SB-003-(10-10.5)DL	HRDR02-SB03	10.0-10.5	5/26/2003	Diesel Range Organics (C12-C24)	1400	D	mg/Kg	520
HRDR-02-SB-003-(10.0-10.5)	HRDR02-SB03	10.0-10.5	5/26/2003	Oil Range Organics (C24-C40)	80		mg/Kg	2,500
HRDR-02-SB-004-(2.0-2.5)	HRDR02-SB04	02.0-2.5	5/26/2003	Diesel Range Organics (C12-C24)	37		mg/Kg	520
HRDR-02-SB-104-(2.0-2.5)	HRDR02-SB04	02.0-2.5	5/26/2003	Diesel Range Organics (C12-C24)	140		mg/Kg	520
HRDR-02-SB-104-(2.0-2.5)	HRDR02-SB04	02.0-2.5	5/26/2003	Oil Range Organics (C24-C40)	66		mg/Kg	2,500

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

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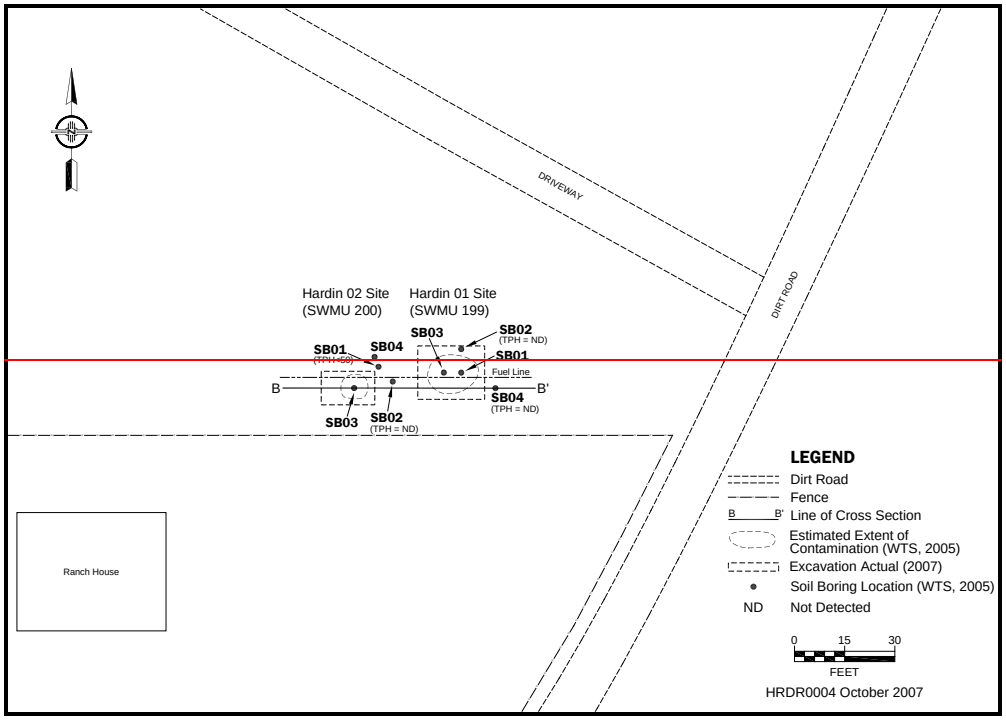

FIGURE 4. PLAN VIEW MAP OF THE HARDIN RANCH SITE.

3.2.2 Results of Corrective Action (2006-2007 ACA)

WSMR completed remediation at Hardin Ranch from 24 July 2007 – 30 July 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of each excavation, Hardin-01 and Hardin-02 were delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 5.

WSMR completed excavation at Hardin Ranch in two stages (as two separate excavations). Preliminary investigation results indicated that contamination at the two sites was separated by an area of clean soil. Excavation at the site confirmed that the two sites were separate. Excavation at Hardin-01 was started first and excavation proceeded until the furthest extent of contaminated soil in the northern and western direction (in the direction of Hardin-02) was taken out. It was then decided to move to the Hardin-02 location to try and complete excavation there for logistical reasons (complete excavation at Hardin-02 prior to becoming inaccessible due to required continued excavation at the Hardin-01 site to the west and south). Crews completed excavation at the Hardin-02 site on 26 July with Petroflag ® confirmation results indicating clean base and sidewalls. Excavation continued at Hardin-01 until clean side walls were obtained to the south and west. Excavation was completed at Hardin-01 on 26 July 2007.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. Crews completed excavation at each site using a backhoe and used a Petroflag ® Test Kit to screen samples at the edges and base of the excavation (table 7). The excavation at the former AST at Hardin-01 was ultimately extended to a depth of approximately 14 ft bgs. The sides of the excavation

measured approximately 20 ft X 16 ft. Three test kits were run using the Petroflag ® system at Hardin-01. Results ranged from 113 mg/kg to 2,453 mg/kg full range hydrocarbons. The 2,453 mg/kg result was obtained using a 1 gram diluted sample in the field. Petroflag® results higher than NMED THP Screening Guidelines initiated further excavation. Photographs 8 and 9 show the Hardin-01 excavation.

TABLE 7. PETROFLAG ® FIELD SCREENING RESULTS FOR HARDIN RANCH SITE.

Field Sample Location (ID)	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Hardin Ranch-01		
North side wall at 10feet bgs (North 01)	2,453	Further excavation to north
East side wall at 11 feet bgs (East 01)	113	No further excavation to east
North side wall at 10feet bgs (North 02)	133	No further excavation to north
Hardin Ranch-02		
South side wall sample at 7 feet (South 01)	2,354	Further excavation to south
South side wall sample at 7 feet (South 02)	203	No further excavation to south
North side wall at 10feet bgs (North 03)	718	Further excavation to north
East side wall at 8 feet bgs (East 02)	96	No further excavation to north
West side wall at 11 feet bgs (West 01)	109	No further excavation to west
North side wall at 10feet bgs (North 04)	143	No further excavation to north

PHOTOGRAPH 8. BEGINNING EXCAVATION AT THE HARDIN-01 SITE.
Photograph taken looking west.

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PHOTOGRAPH 9.
NEAR COMPLETION OF EXCAVATION AT HARDIN-01 (FOREGROUND);
CONTINUING EXCAVATION AT HARDIN-02 (BACKGROUND).
Photograph taken looking west.

Crews ultimately extended the excavation at the former AST at Hardin-02 to a depth of approximately 12 ft bgs. The sides of the excavation measured approximately 16 ft X 10 ft and personnel ran six test kits using the Petroflag ® system at Hardin-02. Results ranged from 96 mg/kg to 2,354 mg/kg full range hydrocarbons. Petroflag ® results higher than NMED THP Screening Guidelines initiated further excavation. Photographs 10 and 11 show the Hardin-02 excavation.

PHOTOGRAPH 10. BEGINNING EXCAVATION AT HARDIN-02 SITE;
HARDIN-01 EXCAVATION SHOWN TO LEFT IN PHOTOGRAPH.

Photograph taken looking south.

PHOTOGRAPH 11.
NEAR COMPLETION OF EXCAVATION AT HARDIN-02 SITE.
Photograph taken looking west.

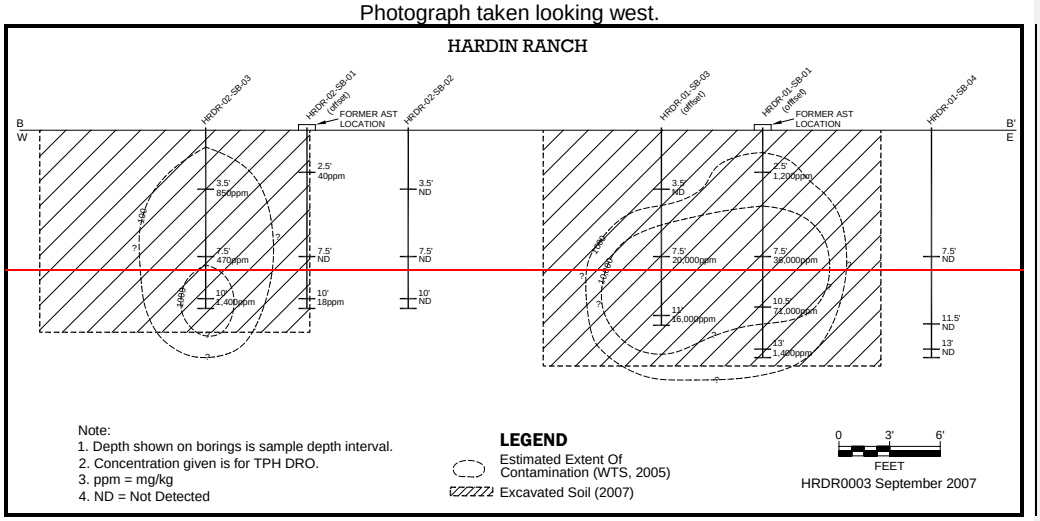

FIGURE 5. APPROXIMATE EXTENT OF EXCAVATIONS AT HARDIN RANCH.
The final excavation dimensions were approximately 20 ft X 16 ft X 14 ft at Hardin-01 and 16 ft X 10 ft X 12 ft at Hardin-02. Dashed line in figure denotes estimated extent of contamination from the work plan.

3.2.2.1 Soil Staging and Transport

Personnel placed excavated contaminated soil directly at a polyethylene sheeting staging area immediately by the excavation (photograph 12). Clean backfill material was stockpiled at a similar unlined location at the site. Transport vehicles (trucks hauling 20-cubic yard belly-dump trailers) arriving at the

site during field work would first drop a load of clean backfill material and then proceed to be loaded with diesel-contaminated material. Covers were then placed over the open trailer tops and the diesel-contaminated soil shipment tracked by use of a non-hazardous waste manifest. Original copies of the waste manifests used are on file with WSMR's Environmental Compliance. Photocopies of the waste manifests are included in appendix A.

PHOTOGRAPH 12. SOIL STAGING LOCATION AT HARDIN RANCH.
Photograph taken looking west.

3.2.2.2 Backfill and Grading

Borrow material was obtained from one off-WSMR source selected by the excavation and disposal contractor. The source was sampled for total RCRA metals prior to being accepted by WSMR for use. The analytical results of this test are shown in table 3~~2~~ with the laboratory report included in appendix B.

Based on the analytical results of these samples, the borrow location Rhino Environmental Services, Inc. Land Farm, located in Otero County, NM (DP-1051) was approved for Hardin site. Following confirmation of successful remediation, crews filled the excavation with the approved backfill material and compacted it using heavy equipment packing and roll-over, with the final completion status shown in photograph 13.

PHOTOGRAPH 13. HARDIN RANCH SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking west.

3.2.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from each site, it is reported that WSMR removed a total of 220 cubic yards of contaminated soil from Hardin Ranch-01 and Hardin Ranch-02. Approximately 120 cubic yards was estimated for removal based on the preliminary investigation. This material was taken to Rhino Environmental Services, Inc. Land Farm (DP-1051) for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 1,000 mg/kg and was non-ignitable.

3.2.4 Verification of Remediation

To verify that clean-up objectives were met, an analytical laboratory (Trace Analysis of Lubbock. Texas) analyzed confirmation soil samples prior to excavation backfill. As stipulated in the work plan, samples were collected from the bottom of each excavation, from each sidewall, and one duplicate sample per excavation. Sidewall samples were taken preferentially, selecting the location most likely to contain residual diesel contamination in any sidewall, based on observation during excavation. Personnel collected confirmation samples directly from the backhoe bucket after directing the operator where to dig the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH diesel range organics (DRO), and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table ~~4~~8. Additionally, an equipment blank was collected using Type II water poured over the sample bowls following decontamination. Researchers detected no contaminants of concern that would indicate the sampling equipment would contaminate subsequent samples. All confirmation sample laboratory results are included in appendix C.

With the exception of arsenic, results of chemical analysis of confirmation samples indicate no contaminants were detected that exceed NMED Residential Soil Screening Levels. At Hardin-02, arsenic was detected in two samples above the NMED SSL of 3.9 mg/kg. The highest concentration of arsenic at Hardin-02 is 4.83 mg/kg.

At Hardin-01, researchers detected arsenic in one sample that was above the NMED Residential SSL of 3.9 mg/kg. The exceeding arsenic detection was reported as 17.8 mg/kg. However, these detections were from samples collected at the 10 ft depth, which are well below the residential exposure scenario depth of 0-2 ft bgs and is therefore of no concern. Residential exposure to soil, as described by NMED, is expected to occur during home maintenance activities, yard work and landscaping, and outdoor play activities. Contaminant intake is assumed to occur via three exposure pathways – direct ingestion, dermal absorption, and inhalation of volatiles and fugitive dusts. A depth of zero to two feet bgs is listed by NMED as the approximate depth of potential exposure to residential receptors. A pathway does not exist at this site for residential exposure to arsenic. NMED describes construction worker exposure as exposures to surface and subsurface soils (at depths of zero to 10 feet below ground surface) during excavation, maintenance and building construction projects (intrusive operations). A construction worker is assumed to be exposed to contaminants via the following pathways: incidental soil ingestion, dermal contact with soil, and inhalation of contaminated outdoor air (volatile and particulate emissions). The 17.8 mg/kg detection (10 feet bgs) was above the NMED SSL for construction worker of 17.7 mg/kg. Based on four arsenic confirmation samples, collected at 10 feet bgs at the Hardin Ranch site, the mean concentration for this interval is 7.14 mg/kg. The mean concentration is below the NMED construction worker SSL. For the forseeable future, the construction worker exposure pathway is not complete. No future activities are planned for this location, located on WSMR, that would lead to excavation and potential exposure to construction workers at the site.

The DAF20 for arsenic is 58.3 mg/kg which is well above the highest detection of 17.8 mg/kg of arsenic on-site. Based on this factor, is not expected that the concentration of arsenic is high enough to leach to ground water.

The presence of arsenic in soil across the site at concentrations above background can not be fully explained. WSMR asserts that there are no known anthropogenic sources for arsenic on White Sand Missile Range. Arsenic was not managed as a waste and no arsenic-containing materials are known to have been used at this site. The observed arsenic is likely naturally-occurring.

–TPH DRO was not detected in the Hardin-01 and Hardin-02 confirmation samples at a reporting limit of 50 mg/kg. No VOCs or SVOCs were detected in any confirmation samples from the Hardin Ranch excavations. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at levels above human health concern.

TABLE ~~4~~8. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS HARDIN RANCH SITE

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
Hardin Ranch-01									
0199-CF-001-10.0 West side wall sample at 10 ft	<50	<0.250	2.47	125	1.39	19.4	<0.040	<1.00	<2.00
0199-CF-002-10.0 South side wall sample at 10 ft	<50	<0.250	17.8	140	1.57	19.2	<0.040	<1.00	<2.00
0199-CF-003-14.0 Base sample at 14 ft	<50	<0.250	3.25	124	1.45	21.9	<0.040	<1.00	<2.00
0199-CF-103-14.0 Duplicate of -003 sample	<50	<0.250	2.98	139	1.50	21.8	<0.040	<1.00	<2.00
0199-CF-004-10.0 North side wall sample at 10 ft	<50	<0.250	3.44	156	1.48	21.5	<0.040	<1.00	<2.00
0199-CF-005-11.0 East side wall sample at 11 ft	<50	<0.250	3.27	178	1.44	20.6	<0.040	<1.00	<2.00
Hardin Ranch-02									

0200-CF-001-12.0 Base sample at 12 ft	<50	<0.250	4.02	133	1.54	22.1	<0.040	<1.00	<2.00
0200-CF-101-12.0 Duplicate of -001 sample	<50	<0.250	3.32	128	1.39	19.9	<0.040	<1.00	<2.00
0200-CF-002-11.0 South side wall sample at 11 ft	<50	<0.250	3.42	144	1.65	22.6	<0.040	<1.00	<2.00
0200-CF-003-8.0 East side wall sample at 8 ft	<50	<0.250	3.49	140	1.46	20.7	<0.040	<1.00	<2.00
0200-CF-004-11.0 West side wall sample at 11 ft	<50	<0.250	3.88	136	1.40	20.1	<0.040	<1.00	<2.00
0200-CF-005-10.0 North side wall sample at 10 ft	<50	<0.250	4.83	176	1.47	18.9	<0.040	<1.00	<2.00
< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).									

3.3 ORC Commo (SWMU 203)

3.3.1 Preliminary Investigation (BAE Systems, 2003)

The Range-wide AST survey identified a surface stain beneath the location of a former AST at Oscura Commo Site (SWMU 203; CCWS 29). A stained area of gravel with clay was located during the preliminary investigation (photograph 14). Based on examination of cores from the preliminary investigation, soils at Oscura Commo Site appear to generally be clays with some minor silt and sand down to 16 ft bgs. Approximate depth to ground water at this site is unknown. ~~An estimated depth to ground water at this site is greater than 60 ft bgs based on a well (ORC Prod) located to the northwest at Oscura Range Center.~~

PHOTOGRAPH 14.
OSCURA COMMO SITE.
Photograph taken looking south.

Four soil borings were made at this site using a direct push geoprobe. Concentrations of DRO were quantified at 1,400 mg/kg in samples taken from 8 ft bgs in the first boring (soil boring ORC-SB-01), presumed to be made at the point of origin of the release. This concentration exceeded the 520 mg/kg NMED residential TPH screening guideline for diesel fuel. Personnel detected no DRO above reporting limits of 12 mg/kg at greater depth in the initial soil boring.

Extent of Contamination from the Preliminary Investigation

ORC Commo Site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 6 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. The full extent of contamination was not determined during the preliminary investigation. Further site characterization through soil sampling (with the exception of confirmation samples) was not completed. The determination of furthest extent of contamination and remediation was accomplished through excavation and soil removal (Section 3.3.2). It was originally estimated that approximately 30 cubic yards of contaminated soil was beneath the ORC Commo site. Actual excavation

dimensions are shown superimposed over the original estimate on figure 6. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 7. Table 9 lists detected analytes from the preliminary investigation.

TABLE 9. PRELIMINARY INVESTIGATION DETECTED RESULTS ORC COMMO SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
OSRC-02-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	NE
OSRC-02-SD-01DL	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	1200	D	mg/Kg	520
OSRC-02-SB-001-(1.5-2.0)	SB01	01.5-2.0	5/24/2003	Diesel Range Organics (C12-C24)	170		mg/Kg	520
OSRC-02-SB-001-(1.5-2.0)	SB01	01.5-2.0	5/24/2003	Bromofluorobenzene	102		µg/Kg	NE
OSRC-02-SB-001-(8.0-8.5)DL	SB01	08.0-8.5	5/24/2003	Diesel Range Organics (C12-C24)	1400	D	mg/Kg	520
OSRC-02-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/24/2003	Oil Range Organics (C24-C40)	460		mg/Kg	2,500
OSRC-02-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/24/2003	Bromofluorobenzene	98		µg/Kg	NE
OSRC-02-SB-001-(11.5-12.0)	SB01	11.5-12.0	5/24/2003	Bromofluorobenzene	102		µg/Kg	NE
OSRC-02-SB-001-(15.5-16)	SB01	15.5-16.0	5/24/2003	Bromofluorobenzene	100		µg/Kg	NE
OSRC-02-SB-002-(4.0-4.5)	SB02	04.0-4.5	5/24/2003	Oil Range Organics (C24-C40)	61		mg/Kg	2,500
OSRC-02-SB-003-(1.0-1.5)	SB03	01.0-1.5	5/24/2003	Diesel Range Organics (C12-C24)	25		mg/Kg	520
OSRC-02-SB-003-(5.0-5.5)	SB03	05.0-5.5	5/24/2003	Diesel Range Organics (C12-C24)	14		mg/Kg	520

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

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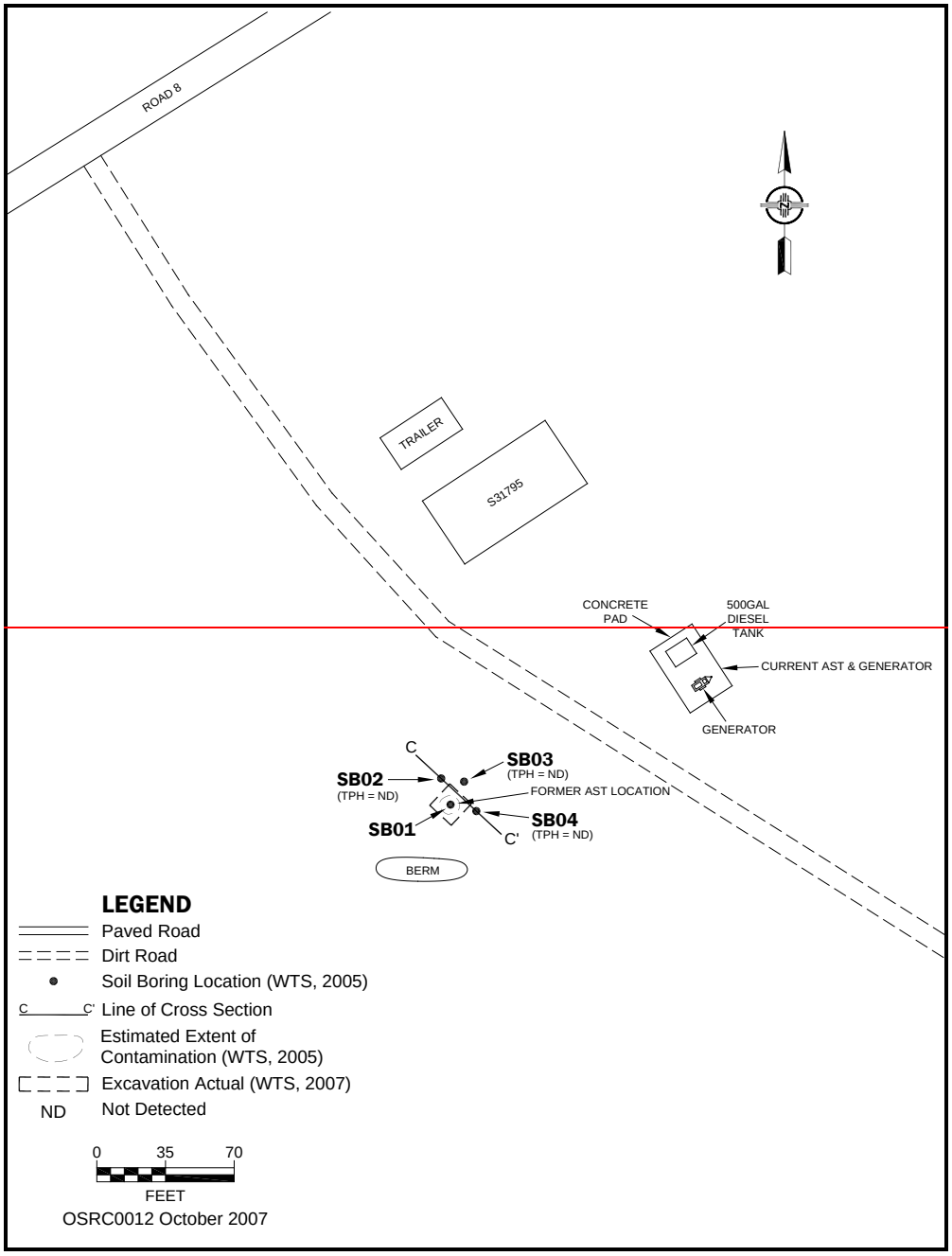

FIGURE 6. PLAN VIEW MAP OF THE ORC COMMO SITE.

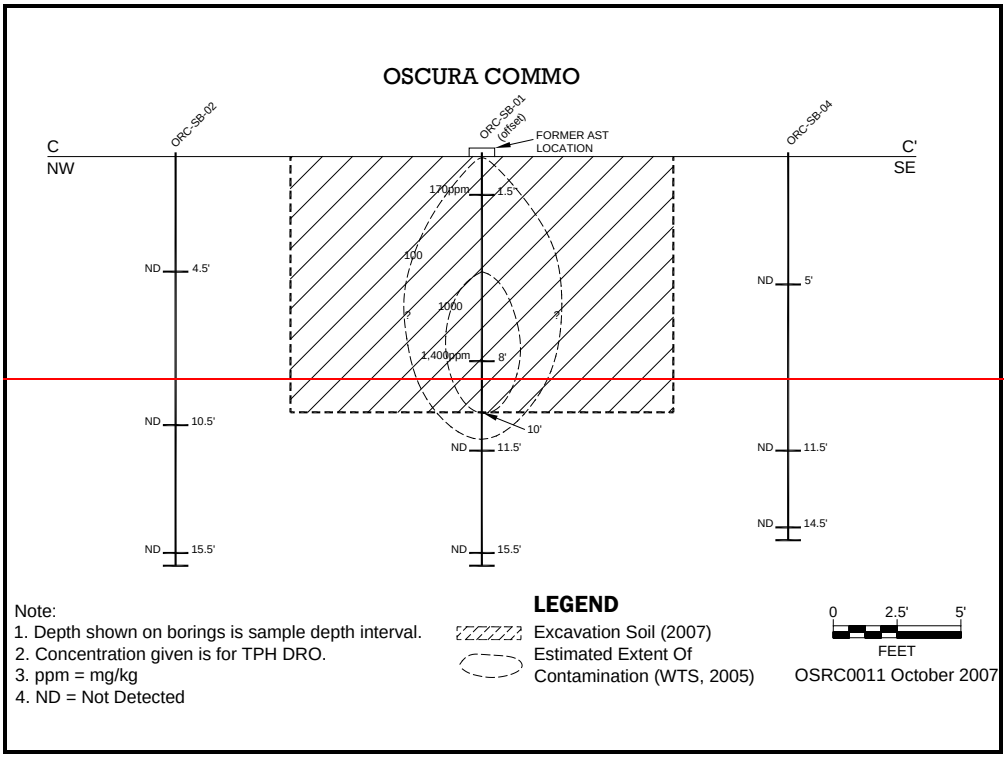

FIGURE 7. APPROXIMATE EXTENT OF EXCAVATIONS AT ORC COMMO SITE.
The final excavation dimensions were approximately 15 ft X 15 ft X 10 ft.
Dashed line in figure denotes estimated extent of contamination from the work plan.

3.3.2 Results of Corrective Action

WSMR completed remediation at the ORC Commo Site from 19-28 June 2006. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation were delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. Petroflag ® analysis was not run on samples from this site. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 7.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation was extended accordingly. The excavation at the former AST at ORC Commo was ultimately extended to a depth of approximately 10 ft bgs. The sides of the excavation measured 15 ft X 15 ft. Photograph 15 shows the ORC Commo excavation.

Personnel completed soil transport, backfill, and grading as described in sections 3.2.2.1 and 3.2.2.2. Soil was not staged at ORC Commo. Soil was excavated and placed directly into the dump trucks for transport. Photograph 16 shows the ORC Commo completion after backfill.

PHOTOGRAPH 15. EXCAVATION AT ORC COMMO SITE.
Photograph taken looking west.

PHOTOGRAPH 16. ORC COMMO SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking south.

3.3.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from the ORC Commo site, it is reported that 80 cubic yards of contaminated soil was removed. Crews took this material to DP-1051 for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 177 mg/kg and was non-ignitable.

3.3.4 Verification of Remediation

To verify that clean-up objectives were met, an analytical laboratory (Trace Analysis of Lubbock. Texas) analyzed confirmation soil samples prior to excavation backfill. As stipulated in the work plan, personnel collected samples from the bottom of the excavation and one from each sidewall. They took one duplicate sample per excavation. Samples were collected from sidewalls preferentially, selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to take the sample. Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 10~~5~~. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. TPH DRO was not detected above the laboratory reporting limit of 50 mg/kg in any of the samples. No VOCs or SVOCs were detected in any confirmation samples from the ORC Commo excavation. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at levels above regulatory concern.

TABLE 10~~5~~. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS ORC COMMO SITE.

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Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
OSRC-0203-CS-001 Base sample	<50	0.734	<1.00	47.6	0.910	9.12	<0.040	4.94	<1.00
OSRC-0203-CS-101 Duplicate of Base sample	<50	0.782	<1.00	44.6	0.944	9.05	<0.040	5.11	<1.00
OSRC-0203-CS-002 ~~W~~Northwest side wall sample at 10 ft	<50	0.324	<1.00	168	2.05	20.3	<0.040	15.6	<1.00
OSRC-0203-CS-003 Southwest side wall sample at 7 ft	<50	0.322	<1.00	196	2.04	19.6	<0.040	15.9	<1.00
OSRC-0203-CS-004 South~~E~~east side wall sample at 8 ft	<50	0.351	<1.00	162	2.04	20.3	<0.040	15.4	<1.00
OSRC-0203-CS-005 Northeast side wall sample at 10 ft	<50	0.343	<1.00	176	2.29	22.7	<0.040	17.9	<1.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

3.4 Harriett Site (SWMU 204)

3.4.1 Preliminary Investigation (BAE Systems, 2003)

The AST survey identified surface stains beneath the location of a former AST at the Harriett site (SWMU 204; CCWS 30). This stain was located during the preliminary investigation (photograph 17). Based on examination of cores from the direct push probe, soils at Harriett site appear to generally consist of fine-to-medium-grained sands with clay from the surface down to 4 ft bgs. From 4 to 12 ft bgs, fine- to medium-grained quartz sands were encountered. Beyond 12 ft bgs, researchers encountered clayey-very-fine-to-fine-grained-gypsiferous sands with possible caliche down to 16 ft bgs. An estimated depth to water at this site is greater than 150 ft bgs based on the Murray Test Well located approximately eight miles to the east and the SRM wells located approximately 20 miles to the north at Stallion Range Center.

PHOTOGRAPH 17.
STAINED SOILS AT SITE OF FORMER AST, HARRIETT SITE.

Crews initially made four soil borings at this site using the direct push geoprobe, and made an additional three a week later during additional investigation. Concentrations of DRO were quantified as high as 3,400 mg/kg in samples taken from the first boring which were presumed to be made at the point of origin of the release (soil boring HRRT-SB-01). Samples taken from this borehole all had detectable levels of DRO, but only trace levels (13 mg/kg) were detected in a sample taken at 15.5 ft bgs. DRO was quantified at 2,300 mg/kg at 7.5 ft bgs in a boring made approximately 5 ft northwest and downhill of the initial boring (soil boring HRRT-SB-03). No DRO was detected above reporting limits in samples taken from a boring made approximately 9 ft north and downhill from that boring (soil boring HRRT-SB-02). Trace levels (11 mg/kg) of DRO were also detected at 7.5 and 11.5 ft bgs in a boring (HRRT-SB-06) made ~~approximately 10~~8 ft east of the initial boring.

Extent of Contamination from the Preliminary Investigation

Harriett Site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 8 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the original estimated horizontal extent of contamination. It was originally estimated that approximately 110 cubic yards of contaminated soil was beneath Harriett Site. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 9. Detected analytes from the preliminary investigation are listed in Table 11.

TABLE 11. PRELIMINARY INVESTIGATION DETECTED RESULTS HARRIETT SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NM
HRRT-01-SD-01	NA	surface	5/6/2003	Flash Point (Setaflash)	200	>	degrees F	69,600
HRRT-01-SD-01DL	NA	surface	5/6/2003	Diesel Range Organics (C12-C24)	230	D	mg/Kg	520
HRRT-01-SB-001-(3.5-4.0)	SB01	03.5-4.0	5/27/2003	Diesel Range Organics (C12-C24)	180		mg/Kg	520
HRRT-01-SB-101-(3.5-4.0)	SB01	03.5-4.0	5/27/2003	Diesel Range Organics (C12-C24)	210		mg/Kg	520
HRRT-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Diesel Range Organics (C12-C24)	3400	D	mg/Kg	520
HRRT-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Chrysene	20	J	µg/Kg	48,100
HRRT-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Oil Range Organics (C24-C40)	100		mg/Kg	2,500
HRRT-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Pyrene	84		µg/Kg	1,720,000
HRRT-01-SB-001-(12-12.5)DL	SB01	12.0-12.5	5/27/2003	Diesel Range Organics (C12-C24)	1100	D	mg/Kg	520
HRRT-01-SB-001-(15.5-16.0)	SB01	15.5-16.0	5/27/2003	Diesel Range Organics (C12-C24)	13		mg/Kg	520
HRRT-01-SB-003-(7.5-8.0)DL	SB03	07.5-8.0	5/27/2003	Diesel Range Organics (C12-C24)	2300	D	mg/Kg	520
HRRT-01-SB-003-(14.5-15.0)	SB03	14.5-15.0	5/27/2003	Diesel Range Organics (C12-C24)	17		mg/Kg	520
HRRT-01-SB-004-(11.5-12.0)	SB04	11.5-12.0	5/27/2003	Diesel Range Organics (C12-C24)	54		mg/Kg	520
HRRT-01-SB-004-(14.5-15.0)	SB04	14.5-15.0	5/27/2003	Diesel Range Organics (C12-C24)	44		mg/Kg	520
HRRT-01-SB-006 (7.5-8.0)	SB06	07.5-8.0	5/29/2003	Diesel Range Organics (C12-C24)	11		mg/Kg	520
HRRT-01-SB-006 (11.5-12.0)	SB06	11.5-12.0	5/29/2003	Diesel Range Organics (C12-C24)	11		mg/Kg	520

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

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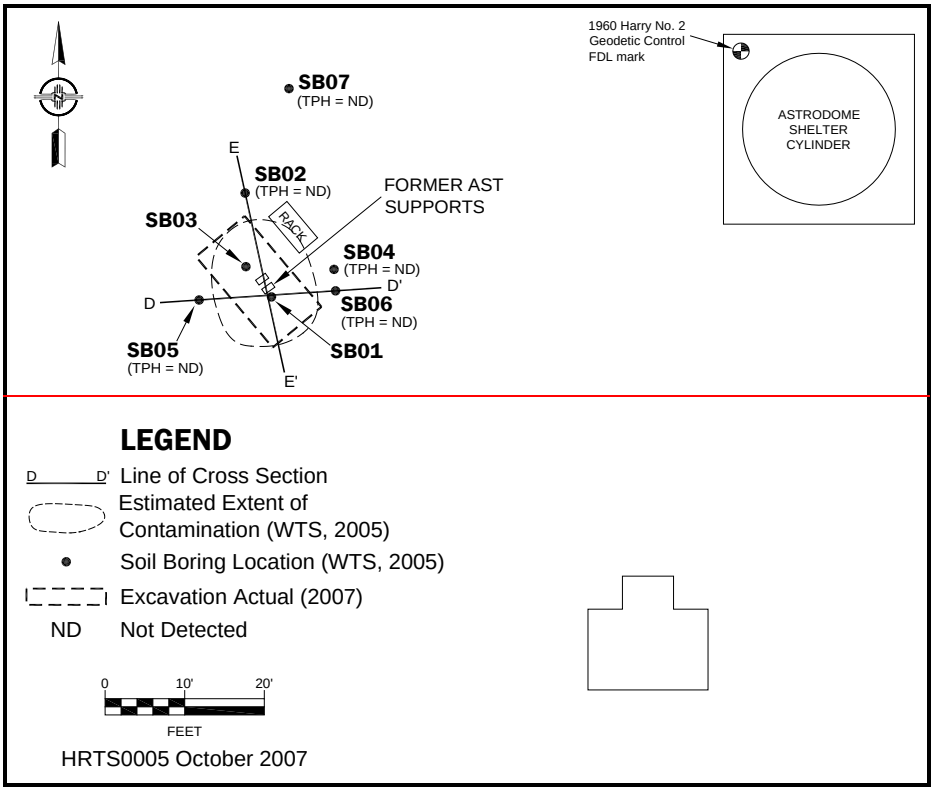

FIGURE 8. PLAN VIEW MAP OF THE HARRIETT SITE.

3.4.2 Results of Corrective Action

Personnel completed remediation at the Harriett Site from 19 July 2007 – 31 July 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation was delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, personnel extended excavation in the appropriate direction until no physical evidence remained of further contamination in that direction. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 9. Excavation at Harriett Site was completed in two stages. From 19 July through 23 July, excavation proceeded in the north, east, and west directions from the center point of the spill until clean soil was obtained. Excavation proceeded to the south until the excavation neared a marked fiber optic line. It was determined at this time to halt excavation until either confirmation samples showed no further excavation was needed or if needed, personnel from WSMR's communications directorate could supervise. The first confirmation samples (discussed in section 3.4.4) indicated further excavation to the south was warranted. Excavation was completed on 31 July 2007 under supervision to ensure the fiber optic cable was not damaged. Excavation to the south continued until clean soil was reached with verification from an additional confirmation sample.

Site personnel conducted physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. Excavation at the site was completed using a backhoe. Additionally, a Petroflag ® Test Kit was used to screen samples at the edges and base of the excavation. Personnel ultimately extended

excavation at the former AST at Harriett to a depth of approximately 14.5 ft bgs. The sides of the excavation measured approximately 8 ft X 15 ft. Six test kits were run using the Petroflag ® system (table 12). Results ranged from 59 mg/kg to 2,190 mg/kg full range hydrocarbons. PetroFlag ® results greater than 520 mg/kg (TPH Screening Level) elicited further excavation. Personnel completed soil staging, transport, backfill, and grading as described in sections 3.2.2.1 and 3.2.2.2. Photographs ~~17~~18-~~20~~ 21 show the Harriett excavation.

TABLE 12. PETROFLAG ® FIELD SCREENING RESULTS FOR HARRIETT SITE.

Field Sample Location (ID)	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Southeast side wall at 11 feet bgs (SE01)	59	No further excavation to southeast
Base sample center at 10 feet (Base01)	211	Field crew decided to excavate further
Northeast side wall at 8 feet bgs (NE01)	59	No further excavation to northeast
Base sample center at14.5 feet (Base02)	98	No further excavation down
Northwest side wall at 13 feet (NW01)	79	No further excavation to northwest
Southwest side wall at 10feet bgs (SW01)	2,190	Further excavation to southwest

PHOTOGRAPH 18. BEGINNING EXCAVATION AT THE HARRIETT SITE.
Photograph taken looking west.

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PHOTOGRAPH 19. CONTINUING EXCAVATION AT HARRIETT SITE.
Photograph taken looking west.

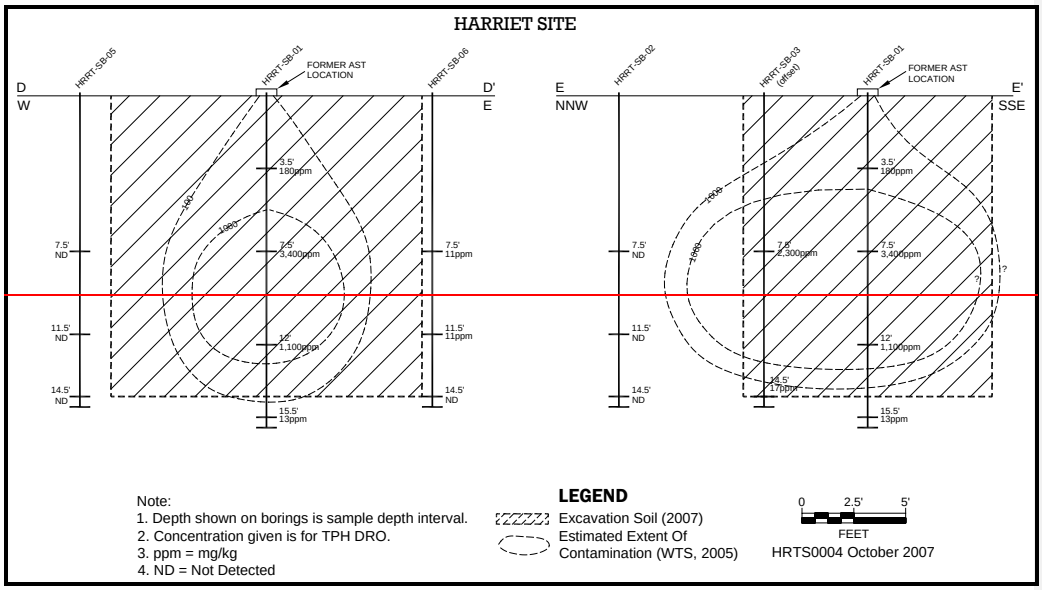

FIGURE 9. APPROXIMATE EXTENT OF EXCAVATIONS AT HARRIETT SITE.
The final excavation dimensions were approximately 8 ft X 15 ft X 14.5 ft. Dashed line in figure denotes estimated extent of contamination from the work plan.

PHOTOGRAPH 20. SOIL STAGING LOCATION AT HARRIETT.
Photograph taken looking north-east.

PHOTOGRAPH 21. HARRIETT SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking west.

3.4.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from each site, it is reported that 92 cubic yards of contaminated soil was removed from Harriett Site which was lower than the estimate of 110 cubic yards from the preliminary investigation. This material was taken to DP-1051for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 230 mg/kg and was non-ignitable.

3.4.4 Verification of Remediation

To verify that clean-up objectives were met, Trace Analysis analyzed confirmation soil samples prior to excavation backfill. As stipulated in the work plan, personnel collected samples from the bottom of the excavation, from each sidewall, and one duplicate sample per excavation. Samples taken from the excavation floors were collected as closely to the lateral centers of the diesel spills as possible.
Crews took samples from sidewalls and preferentially selected the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to excavate the sample.
Soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. There were no ~~significant~~ detections of VOCs or SVOCs from the site. ~~All VOC and SVOC results were either non-detect (below laboratory reporting limits) or well below November 2005 NMED Soil Screening Levels.~~ Confirmation sample results for TPH DRO and RCRA metals are listed in table 13~~6~~. Additionally, an equipment blank was collected using Type II water poured over the sample bowls following decontamination and analyzed. Personnel did not detect any contaminants of concern that would indicate the sampling equipment would contaminate subsequent samples. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels with the exception of on DRO sample from the south side-wall. Three confirmation samples were collected from the south side-wall. The first sample (0204-CF-005-13.0) had a TPH DRO laboratory detection of 113 ppm. A corresponding Petroflag ® analysis was 2,190 mg/kg full range hydrocarbons. Due to the difference in result, a resample (0204-CF-006-13.0) for laboratory analysis was collected which resulted in 5,150 mg/kg DRO. Following further excavation to the south to remove the additional contaminated soil, a third confirmation sample (0204-CF-007-10.0) collected resulted in a DRO concentration of 50 mg/kg indicating that contamination on the south side wall had been fully removed. TPH DRO was not detected in any other confirmation samples at a reporting limit of 50 mg/kg. Personnel did not detect VOCs or SVOCs in any confirmation samples from the Harriett excavation. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at concentrations above regulatory concern.

TABLE 13~~6~~. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS HARRIETT SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0204-CF-001-12.0 Northeast side wall sample at 12 ft	<50	<0.250	<2	64.6	<0.200	5.37	<0.040	<1.00	<2.00
0204-CF-002-14.5 Base sample at 14.5 ft	<50	<0.250	<2	63.3	0.551	7.52	<0.040	<1.00	<2.00

0204-CF-102-14.5 Duplicate of -002 sample	<50	<0.250	2.09	67.4	0.542	7.90	<0.040	<1.00	<2.00
0204-CF-003-13.0 North~~W~~west side wall sample at 13 ft	<50	<0.250	<2	85.6	0.512	6.42	<0.040	<1.00	<2.00
0204-CF-004-13.0 South~~E~~east side wall sample at 13 ft	<50	<0.250	<2	29.1	<0.200	4.60	<0.040	<1.00	<2.00
0204-CF-005-13.0 First southwest side wall sample at 12 ft	113	<0.250	2.16	58.8	0.411	7.76	<0.040	<1.00	<2.00
0204-CF-006-13.0 Resample of southwest side wall sample at 13 ft	5,150	<0.250	<2	101	0.301	5.59	<0.040	<1.00	<2.00
0204-CF-007-10.0 Southwest side wall sample at 10 ft after further excavation	<50	<0.250	<2	27.2	0.220	3.76	<0.040	<1.00	<2.00
< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).									

3.5 SE-70 (SWMU 205)

3.5.1 Preliminary Investigation (BAE Systems, 2003)

The Range-wide AST survey identified a surface stain beneath the former site of an AST at SE-70 Site (SWMU 205; CCWS 31) (photograph 22). This stained area was not visible during the May 2003 preliminary investigation, but laboratory analysis of a soil sample taken at 1.5 ft bgs at that time quantified DRO at 1,000 mg/kg. Based on examination of cores from the preliminary investigation, soils at the site appear to be clayey, silty, gypsiferous fine-grained sands with clay content generally increasing with depth down to 10 ft bgs. The geoprobe also repeatedly encountered shallow refusals in soils at the site. Approximate depth to ground water at this site is unknown. ~~An estimate of depth to ground water at this site is greater than 60 ft bgs based on a well (ORC Prod) located to the northwest at Oscura Range Center.~~

PHOTOGRAPH 22.
FORMER LOCATION OF AST, SE-70 SITE.
Photograph taken looking south-west.

Five soil borings were made at this site during the preliminary investigation. Only low levels (150 mg/kg) of DRO were detected in laboratory analysis of samples taken from the boring (soil boring SE-70-SB-01) at the presumed point of release-, but this boring also could not be extended beyond 6 ft bgs. Laboratory analysis of samples taken from soil borings made approximately 10 ft west and approximately 10 ft south of the initial boring at the presumed point of release quantified DRO at 9,100 mg/kg (soil boring SE-70-SB-03) and 21,000 mg/kg (soil boring SE-70-SB-04), respectively.

Extent of Contamination from the Preliminary Investigation

SE-70 Site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 10 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. Personnel estimated that approximately 80 cubic yards of contaminated soil was beneath the SE-70 site. Actual excavation dimensions are shown superimposed over the original estimate on figure 10. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 11. Table 14 lists detected analytes from the preliminary investigation.

TABLE 14. PRELIMINARY INVESTIGATION DETECTED RESULTS SE-70 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
SE70-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	69,600
SE70-01-SD-01DL	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	1000	D	mg/Kg	520
SE70-01-SD-01	NA	surface	5/7/2003	Oil Range Organics (C24-C40)	290		mg/Kg	2,500
SE70-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/24/2003	Diesel Range Organics (C12-C24)	150		mg/Kg	520
SE70-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/24/2003	Bromofluorobenzene	101		µg/Kg	NE
SE70-01-SB-001-(5.5-6.0)	SB01	05.5-6.0	5/24/2003	Oil Range Organics (C24-C40)	66		mg/Kg	2,500
SE70-01-SB-001-(5.5-6.0)	SB01	05.5-6.0	5/24/2003	Bromofluorobenzene	102		µg/Kg	NE
SE70-01-SB-002-(5.0-5.5)	SB02	05.0-5.5	5/24/2003	Oil Range Organics (C24-C40)	210		mg/Kg	2,500
SE70-01-SB-002-(9.5-10.0)	SB02	09.5-10.0	5/24/2003	Oil Range Organics (C24-C40)	130		mg/Kg	2,500
SE70-01-SB-003-(1.0-1.5)DL	SB03	01.0-1.5	5/24/2003	Diesel Range Organics (C12-C24)	9100	D	mg/Kg	520
SE70-01-SB-003-(3.5-4.0)DL	SB03	03.5-4.0	5/24/2003	Diesel Range Organics (C12-C24)	520	D	mg/Kg	520
SE70-01-SB-004-(0.5-1.0)	SB04	0.5-1.0	5/24/2003	Diesel Range Organics (C12-C24)	3900	D	mg/Kg	520
SE70-01-SB-004-(3.0-3.5)	SB04	03.0-3.5	5/24/2003	Diesel Range Organics (C12-C24)	21000	D	mg/Kg	520
SE70-01-SB-005-(1.0-1.5)	SB05	01.0-1.5	5/24/2003	Bromofluorobenzene	100		µg/Kg	NE
SE70-01-SB-005-(2.5-3.0)	SB05	02.5-3.0	5/24/2003	Oil Range Organics (C24-C40)	90		mg/Kg	2,500

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

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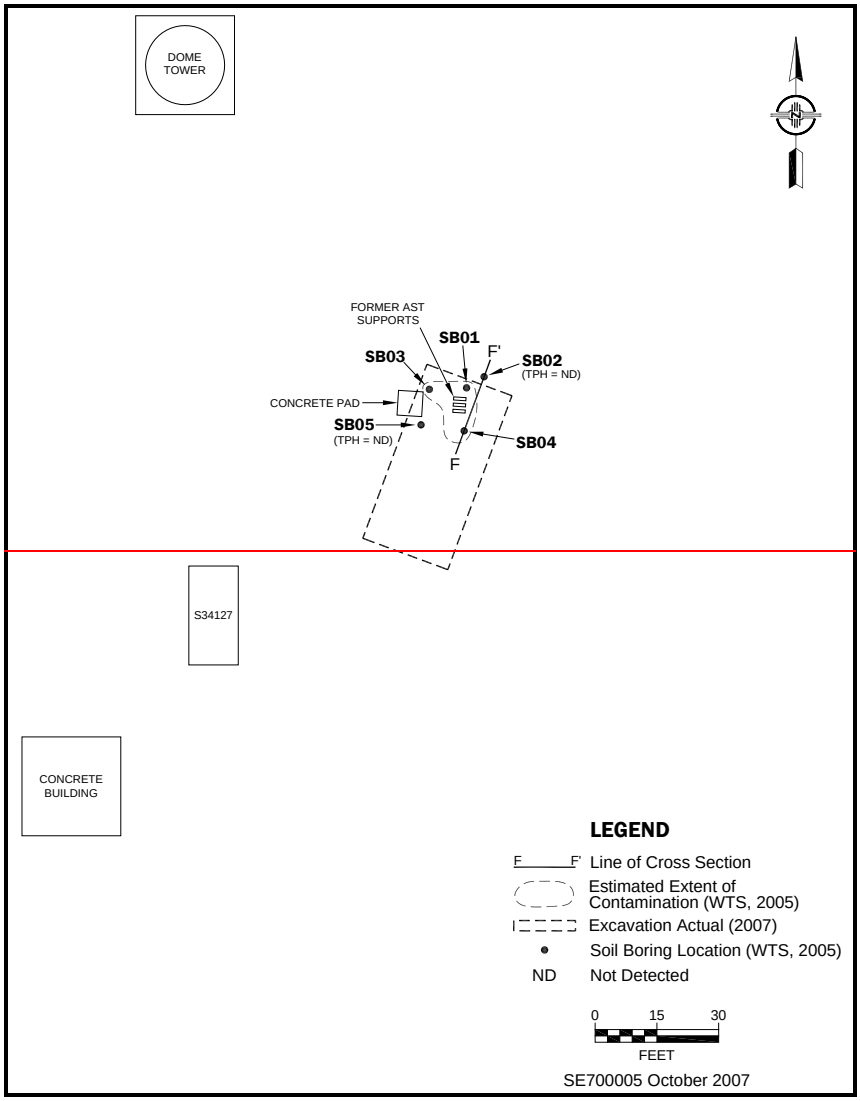

FIGURE 10. PLAN VIEW MAP OF THE SE-70 SITE.

3.5.2 Results of Corrective Action

WSMR completed remediation at SE-70 from 20-23 December 2005. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation were delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. The Petroflag ® test kit was not available to the field crew at the time of this excavation, therefore, no Petroflag ® analysis was run. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 11.

Site personnel conducted physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. Crews ultimately extended excavation at the former AST at SE 70 to a depth of approximately 5 ft bgs. The sides of the excavation measured 45 ft X 22 ft. Photographs 23 and 24 show the SE-70 excavation. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2 (photographs 25-26).

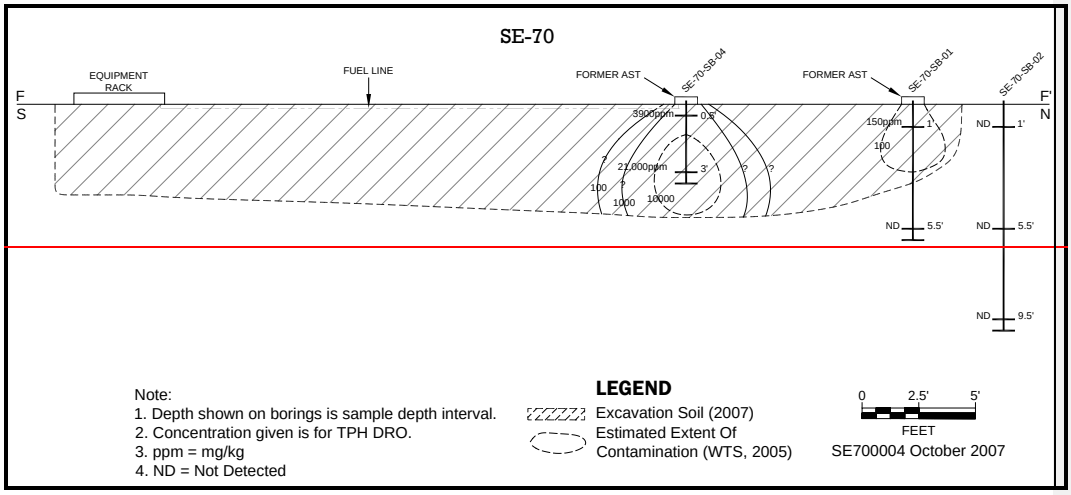

FIGURE 11. APPROXIMATE EXTENT OF EXCAVATIONS AT SE-70 SITE.
The final excavation dimensions were approximately 45 ft X 22 ft X 5 ft.
Dashed line in figure denotes estimated extent of contamination from the work plan.

PHOTOGRAPH 23. BEGINNING EXCAVATION AT SE-70 SITE.

Photograph taken looking south-east.

PHOTOGRAPH 24. COMPLETED EXCAVATION AT SE-70 SITE.
Photograph taken looking south.

PHOTOGRAPH 25. SOIL STAGING LOCATION AT SE-70.

Photograph taken looking west.

PHOTOGRAPH 26. SE-70 SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking south.

3.5.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from SE-70 Site, it was reported that crews removed 200 cubic yards of contaminated soil. This material was taken to DP-1051 for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 3,830 mg/kg and was non-ignitable.

3.5.4 Verification of Remediation

To verify that clean-up objectives were met, Trace Analysis analyzed confirmation soil samples prior to excavation backfill. As stipulated in the work plan, personnel collected samples from the bottom of the excavation, one from each sidewall, and one duplicate sample per excavation. Samples were collected from sidewalls preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to take the sample. Personnel collected discrete soil samples from the bucket into a stainless steel bowl for prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 15~~7~~. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. TPH DRO was not detected above the laboratory reporting limit of 50 mg/kg in any of the samples. No VOCs or SVOCs were detected in any confirmation samples from the SE-70 excavation. No relevant data quality exceptions were noted that could mask VOC or SVOC detections. Results of confirmation sampling indicate that the majority of contamination was removed from the site and

that no contaminants of concern related to diesel fuel are still present on site.

TABLE 15~~7~~. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS SE-70 SITE.

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Sample ID / Location	TPH DRO mg/kg	Total mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
SE70-0205-CS-001 Base sample near northeast side	<50.0	<0.050	<2.00	8.58	<0.100	<0.500	<0.040	<1.00	<1.00
SE70-0205-CS-101 Duplicate of Base sample	<50.0	<0.050	<2.00	8.48	<0.100	<0.500	<0.040	<1.00	<1.00
SE70-0205-CS-002 Base sample near southwest side	<50.0	<0.050	<2.00	7.79	<0.100	<0.500	<0.040	<1.00	<1.00
SE70-0205-CS-003 Northeast side wall sample at 3 ft	<50.0	<0.050	<2.00	18.2	0.224	<0.500	<0.040	<1.00	<1.00
SE70-0205-CS-004 North~~W~~west side wall sample at 5 ft	<50.0	<0.050	<2.00	28.2	0.286	<0.500	<0.040	<1.00	<1.00
SE70-0205-CS-005 Southwest side wall sample at 4 ft	<50.0	<0.050	<2.00	72.9	2.25	15.9	<0.040	90.5	<1.00
SE70-0205-CS-006 Southe~~E~~ast side wall sample at 5 ft	<50.0	<0.050	<2.00	47.2	0.404	<0.500	<0.040	1.70	<1.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

3.6 Atom Site (SWMUs 206-207)

3.6.1 Preliminary Investigation (BAE Systems, 2003)

The survey identified two separate potential release areas associated with two separate ASTs at Atom Site (photograph 27), both of which had been removed at the time of the survey. The preliminary investigation identified a tan-yellow area with no vegetation and another area with a noticeable hydrocarbon odor. Based on examination of cores from the direct push probe, soils at the site appear to consist of alternating layers of maroon and yellow-brown clays down to 8 ft bgs. No wells have been drilled at North Oscura Peak (where the atom sites are located). It is likely, however, that water migrating downward through the soil encounters dipping limestone layers. It is believed that unsaturated flow through the limestone is primarily along fractures and bedding planes where the groundwater ultimately enters the Precambrian basement rock below the sedimentary rock. Almost all of the groundwater in the rocks of Pennsylvanian age occur in fractures in the limestone and appears in springs, shallow wells, and collection galleries on the back slope. These sources yield only very small quantities of water (Davis and Busch, 1965). Another investigation indicated conclusively that potable ground water at North Oscura Peak is not sufficiently plentiful to warrant attempting development of other than very small supplies in a few localities (Weir, 1965).

The limited amount of water and/or fuel that migrates downward through the soil would encounter dipping limestone layers adding an easterly component to the flow direction because unsaturated flow through the limestone is primarily along fractures and bedding planes. Where the groundwater ultimately enters the Precambrian basement rock below the sedimentary rock, the fracture-flow regime causes flow direction to be unpredictable locally. The elevation of the regional aquifer is below the ground surface in both the Tularosa and Jornada del Muerto Basins. Therefore, the depth to regional groundwater (if it exists) below the landfill site is in excess of 1,700 feet.

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Analysis of soil samples obtained from direct push borings (soil borings Atom-01-SB-01 through Atom-01-SB-03) at Atom-01 Site locations detected no DRO concentrations above reporting limits at the presumed point of release and only trace levels, no higher than 15 mg/kg in three borings made around the presumed point of release, were detected.

Analysis of soil samples at the Atom-02 potential release site detected DRO as high as 13,000 mg/kg in a sample taken at 4 ft bgs at the presumed point of release (soil boring Atom-02-SB-01). Researchers detected a concentration of 1,300 mg/kg in a sample taken at a depth of 7.5 ft bgs in this boring, but the boring was not extended further due to limitations of the geoprobe. A concentration of 780 mg/kg of DRO was quantified in a diluted sample prepared from soil taken 3.5 ft bgs in a boring approximately 10 ft down slope (east-northeast) (soil boring Atom-02-SB-02) but was not detected at 7.5 ft bgs with a reporting limit of 11 mg/kg. In a boring made approximately 12 ft further down slope (soil boring Atom-02-SB-04), DRO was quantified at 6,100 mg/kg in a sample taken 3.5 ft bgs and was not detected above an 11 mg/kg reporting limit at 6.5 ft bgs.

PHOTOGRAPH 27. FORMER LOCATION OF AST, ATOM SITE;
Buildings in Background were demolished at some time prior to remediation.
Photograph taken looking south-west.

Extent of Contamination from the Preliminary Investigation

Atom Site has two former AST locations. Based on the preliminary investigation soil borings, only one of the AST locations (Atom-02) (SWMU 207; CCWS 32) was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. A surface soil sample (Atom01-SD-01DL) at the Atom-01 site during the preliminary investigation (prior to installation of soil borings) had a DRO concentration of 860 mg/kg. However, the excavation encompassed the location of the high surface sample concentration. Figure 12 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the original estimated horizontal extent of contamination based on the preliminary investigation. The furthest extent of contamination was not determined during the preliminary investigation. Further site characterization through soil sampling (with the exception of confirmation samples) was not completed. The determination of furthest extent of contamination and remediation was accomplished through excavation and soil removal (Section 3.6.2).

Actual excavation dimensions are shown superimposed over the original estimate on figure 12. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 13. Table 16 shows detected analytes from the preliminary investigation.

TABLE 16. PRELIMINARY INVESTIGATION DETECTED RESULTS ATOM SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
ATOM-01-SD-01	Atom 1	surface	5/28/2003	Flash Point (Setaflash)	200	>	degrees F	NE
ATOM-01-SD-01DL	Atom 1	surface	5/28/2003	Diesel Range Organics (C12-C24)	860	D	mg/Kg	520
ATOM-01-SD-01	Atom 1	surface	5/28/2003	Oil Range Organics (C24-C40)	570		mg/Kg	2,500
ATOM-01-SB-003-(3.5-4.0)	Atom 1 SB03	03.5-4.0	5/28/2003	Diesel Range Organics (C12-C24)	13		mg/Kg	520
ATOM-01-SB-003-(3.5-4.0)	Atom 1 SB03	03.5-4.0	5/28/2003	Oil Range Organics (C24-C40)	130		mg/Kg	2,500
ATOM-01-SB-004-(1.0-1.5)	Atom 1 SB04	01.0-1.5	5/28/2003	Diesel Range Organics (C12-C24)	15		mg/Kg	520
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	Diesel Range Organics (C12-C24)	13000	D	mg/Kg	520
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	2-Methylnaphthalene	22000	D	µg/Kg	NE
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	Acenaphthene	2200	D	µg/Kg	3,440,000
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	Fluorene	3500	D	µg/Kg	2,290,000
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	Naphthalene	4500	D	µg/Kg	45,000
ATOM-02-SB-001-(3.5-4.0)DL	Atom 2 SB01	03.5-4.0	5/28/2003	Phenanthrene	7100	D	µg/Kg	1,830,000
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	2-Methylnaphthalene	13000	E	µg/Kg	NE
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Oil Range Organics (C24-C40)	370		mg/Kg	2,500
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Acenaphthene	1600		µg/Kg	3,440,000
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Fluorene	2600		µg/Kg	2,290,000
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Naphthalene	4100		µg/Kg	45,000
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Phenanthrene	5900		µg/Kg	1,830,000
ATOM-02-SB-001-(3.5-4.0)	Atom 2 SB01	03.5-4.0	5/28/2003	Pyrene	240		µg/Kg	1,720,000
ATOM-02-SB-001-(7.5-8.0)DL	Atom 2 SB01	07.5-8.0	5/28/2003	Diesel Range Organics (C12-C24)	1300	D	mg/Kg	520
ATOM-02-SB-001-(7.5-8.0)	Atom 2 SB01	07.5-8.0	5/28/2003	Anthracene	34	J	µg/Kg	17,200,000
ATOM-02-SB-001-(7.5-8.0)	Atom 2 SB01	07.5-8.0	5/28/2003	2-Methylnaphthalene	47		µg/Kg	NE
ATOM-02-SB-001-(7.5-8.0)	Atom 2 SB01	07.5-8.0	5/28/2003	Acenaphthene	49		µg/Kg	3,440,000
ATOM-02-SB-001-(7.5-8.0)	Atom 2 SB01	07.5-8.0	5/28/2003	Fluorene	54		µg/Kg	2,290,000
ATOM-02-SB-001-(7.5-8.0)	Atom 2 SB01	07.5-8.0	5/28/2003	Phenanthrene	54		µg/Kg	1,830,000
ATOM-02-SB-002-(3.5-4.0)DL	Atom 2 SB02	03.5-4.0	5/28/2003	Diesel Range Organics (C12-C24)	780	D	mg/Kg	520
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Fluoranthene	27	J	µg/Kg	2,290,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Ethyl Benzene	140	P	µg/Kg	69,600
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	o-Xylene	51	P	µg/Kg	9,550,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	2-Methylnaphthalene	2900		µg/Kg	NE
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Acenaphthene	260		µg/Kg	3,440,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Fluorene	400		µg/Kg	2,290,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	m,p-Xylene	240		µg/Kg	1,090,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Naphthalene	280		µg/Kg	45,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Phenanthrene	1200		µg/Kg	1,830,000
ATOM-02-SB-002-(3.5-4.0)	Atom 2 SB02	03.5-4.0	5/28/2003	Pyrene	98		µg/Kg	1,720,000
ATOM-02-SB-004-(3.5-4.0)DL	Atom 2 SB04	03.5-4.0	5/28/2003	Diesel Range Organics (C12-C24)	6100	D	mg/Kg	520
ATOM-02-SB-104-(3.5-4.0)DL	Atom 2 SB04	03.5-4.0	5/28/2003	Diesel Range Organics (C12-C24)	5900	D	mg/Kg	520
ATOM-02-SB-004-(3.5-4.0)	Atom 2 SB04	03.5-4.0	5/28/2003	Oil Range Organics (C24-C40)	68		mg/Kg	2,500
ATOM-02-SB-104-(3.5-4.0)	Atom 2 SB04	03.5-4.0	5/28/2003	Oil Range Organics (C24-C40)	51		mg/Kg	2,500

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

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3.6.2 Results of Corrective Action

WSMR completed remediation at Atom Site from 31 July 2007 – 13 August 2007. Researchers noted that buildings and vegetation present on site during the preliminary investigation had been removed. Accurate location of the site was obtained using GPS coordinates collected during the preliminary investigation. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation were delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 13.

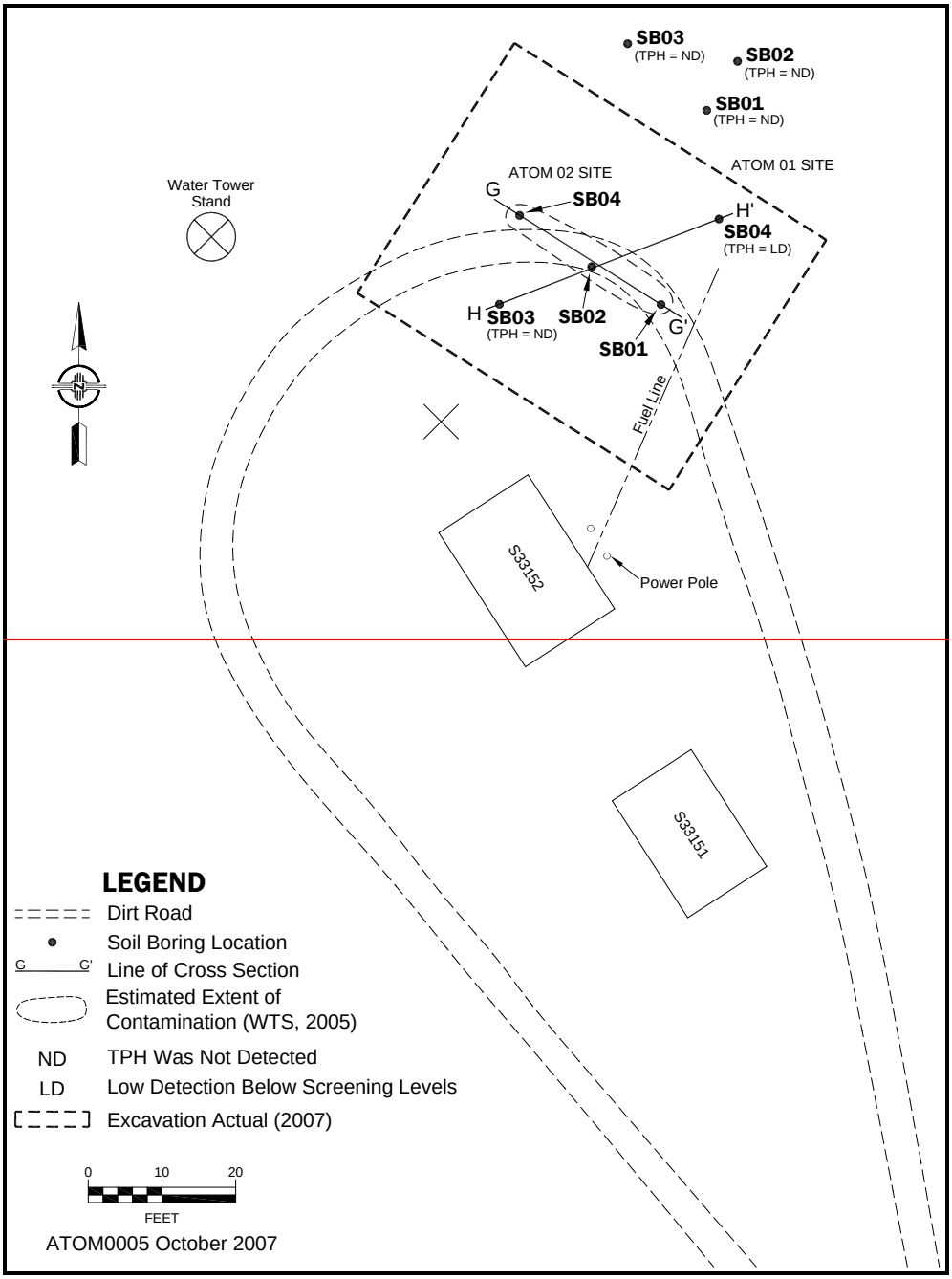


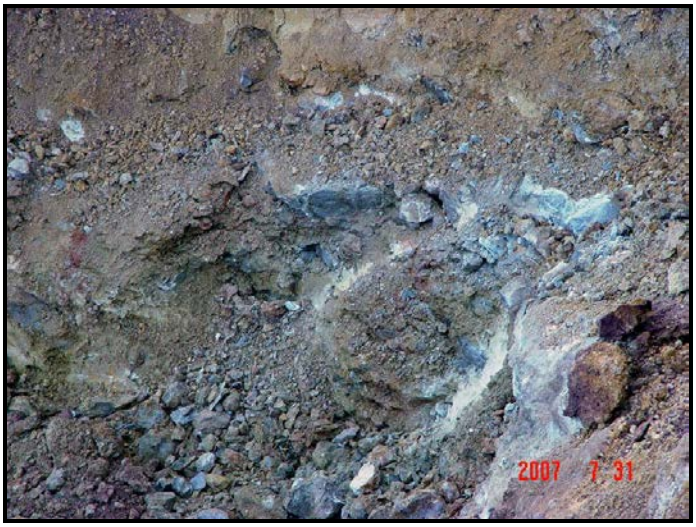
FIGURE 12. PLAN VIEW MAP OF THE ATOM SITE

Site personnel used physical observations including visual (staining or wetted soil) and olfactory

(hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. Excavation at the site was completed using an excavator (trackhoe). Additionally, personnel used a Petroflag ® Test Kit to screen samples at the edges and base of the excavation. The excavation at the former AST at Atom was ultimately extended to a depth of approximately 9 ft bgs. Limestone bedrock was encountered during excavation between 8 and 9 ft bgs (photograph 28). The sides of the excavation measured approximately 40 ft X 50 ft. ~~Seven~~ Six test kits were run using the Petroflag ® system (table 17). Results ranged from 0 mg/kg to 228 mg/kg full range hydrocarbons, which was well below the 520 mg/kg TPH Screening Guideline. Following results of the Petroflag® analysis, excavation at the site was halted. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2. Photographs 28-31 show the Atom excavation.

TABLE 17. PETROFLAG® FIELD SCREENING RESULTS FOR ATOM SITE.

Field Sample Location (ID)	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Base sample southeast side at 8 feet (Base01)	203	No further excavation down
Northwest side wall at 5 feet (NW01)	58	No further excavation to northwest
Northeast side wall at 8 feet bgs (NE01)	20	No further excavation to northeast
Southwest side wall at 7feet bgs (SW01)	0	No further excavation to southwest
Base sample northwest side at 8 feet (Base02)	228	No further excavation down
Northeast side wall at 7 feet bgs (NE02)	0	No further excavation to northeast



PHOTOGRAPH 28. LIMESTONE BEDROCK (REGOLITH) ENCOUNTERED DURING EXCAVATION.
Photograph taken looking south-west.

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PHOTOGRAPH 29. EXCAVATION AT THE ATOM SITE.
Photograph taken looking north-east.

PHOTOGRAPH 30.
COMPLETED EXCAVATION AT ATOM SITE AND SOIL STOCKPILE.
Photograph taken looking south-east.

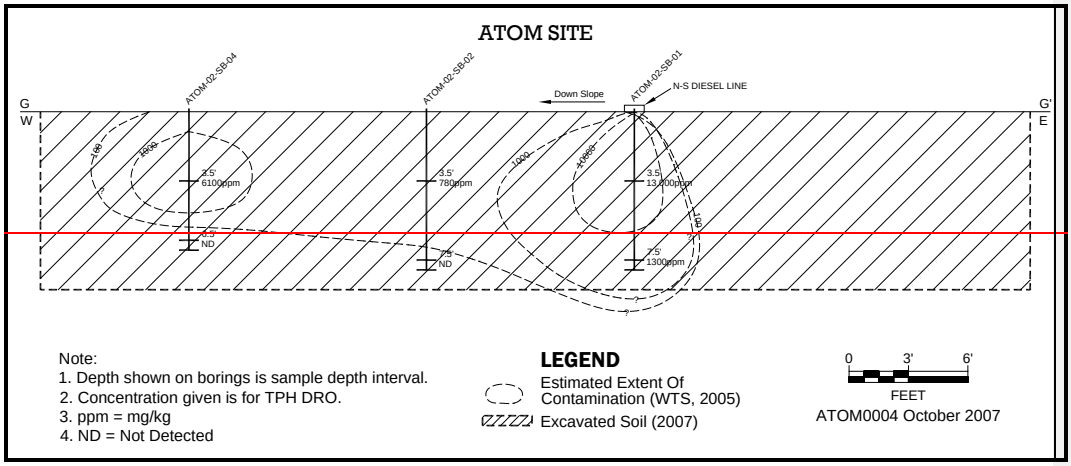

FIGURE 13. APPROXIMATE EXTENT OF EXCAVATIONS AT ATOM SITE.
The final excavation dimensions were approximately 40 ft X 50 ft X 9 ft. Dashed line in figure denotes estimated extent of contamination from the work plan.

PHOTOGRAPH 31.
ATOM SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking north-east.

3.6.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from the site, it was reported that crews removed 600 cubic yards of contaminated soil from Atom Site. WSMR originally estimated that 110 cubic yards of contaminated soil would require removal. This material was taken to DP-1051for further remediation and handling under the

requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 860 mg/kg and was non-ignitable.

3.6.4 Verification of Remediation

To verify that clean-up objectives were met, Trace Analysis analyzed confirmation soil samples prior to excavation backfill. As stipulated in the work plan, personnel collected samples from the bottom of the excavation, from each sidewall, and one duplicate sample per excavation. Personnel collected samples from sidewalls preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to collect the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 18~~8~~. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. Metals are not expected to be associated with diesel fuel, however, WSMR analyzed for RCRA metals to determine their concentrations at the site. Personnel did not detect TPH DRO in the confirmation samples at a reporting limit of 50 mg/kg. No VOCs or SVOCs were detected in the confirmation samples from the Atom excavation. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Contaminated soil was excavated and followed out to its extent based on field observations by site personnel. Confirmation sample locations were collected based on those field observations at the site during excavation activities. WSMR asserts that samples collected represent potential contamination at the site. Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at concentrations above regulatory concern.

TABLE 18~~8~~. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS ATOM SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0207-CF-001-6.0 North~~W~~est side wall sample at 6 ft	<50	<0.250	<2	103	2.08	27.6	<0.040	<1.00	<2.00
0207-CF-002-6.0 Southe~~E~~ast side wall sample at 6 ft	<50	<0.250	<2	38.6	0.865	20.7	<0.040	<1.00	<2.00
0207-CF-003-7.0 Southwest side wall sample at 7 ft	<50	<0.250	<2	38.9	2.13	28.1	<0.040	<1.00	<2.00
0207-CF-004-8.0 Base sample near northw~~w~~est wall at 8 ft	<50	<0.250	3.53	37.7	1.40	12.6	0.0762	<1.00	<2.00
0207-CF-005-8.0 Northeast side wall sample at 8 ft	<50	<0.250	<2	36.8	0.790	15.5	0.0752	<1.00	<2.00
0207-CF-006-9.0 Base sample near northeast wall at 9 ft	<50	<0.250	<2	30.0	0.620	17.2	<0.040	<1.00	<2.00
0207-CF-106-9.0 Duplicate of -006	<50	<0.250	<2	31.8	0.657	17.9	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

3.7 SE-50 (SWMU 208)

3.7.1 Preliminary Investigation (BAE Systems, 2003)

The Range-wide AST survey identified a surface stain beneath the former site of an AST at SE-50 (SWMU 208; CCWS 34). Personnel identified a diesel-saturated zone (photograph 32) beneath the surface in the preliminary investigation (photograph 33), and a soil sample taken at 1.5 ft bgs during that investigation contained 25,000 mg/kg DRO, exceeding the 520 mg/kg NMED TPH residential screening guideline for diesel fuel. Soils at the site appear to be fine to medium-grained sands down to approximately 7 ft bgs. Below this, alternating layers of clay and sand exist down to 16 ft bgs. Approximate depth to ground water at this site is unknown. ~~An estimated depth to ground water at this site is 20 to 30 ft bgs based on wells at Denver Site (Denver MW-01 to MW-04 located to the north) and wells at Tula Gate (TP-02 to TP-04 located to the east).~~

PHOTOGRAPH 32. DIESEL-SATURATION IN SHALLOW SUBSURFACE AT SE-50.

PHOTOGRAPH 33. FORMER LOCATION OF AST, SE-50 SITE.
Photograph taken looking north-west.

Only two soil borings were made at this site due to difficulties penetrating the sand with the direct push probe. Laboratory analysis of samples taken from the boring (soil boring SE-50-SB-01) made at the presumed point of release detected DRO at concentrations of 13,000 mg/kg and 26,000 mg/kg at 1 ft bgs and 13 ft bgs, respectively. No TPH was detected in a sample taken at 15.5 ft bgs in the same boring. No TPH was detected above reporting limits of 12 mg/kg for DRO in analysis of samples taken from the second boring (soil boring SE-50-SB-02), approximately 20 ft west of the first boring.

Extent of Contamination from the Preliminary Investigation

SE-50 site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 14 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. It was originally estimated that approximately 60 cubic yards of contaminated soil underlies the SE-50 site. Actual excavation dimensions are shown superimposed over the original estimate on figure 14. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 15. Table 19 lists detected results from the preliminary investigation.

TABLE 19. PRELIMINARY INVESTIGATION DETECTED RESULTS SE-50 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
SE50-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	NE
SE50-01-SD-01DL	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	25000	D	mg/Kg	520
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Diesel Range Organics (C12-C24)	13000	D	mg/Kg	520
SE50-01-SB-101 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Diesel Range Organics (C12-C24)	8800	D	mg/Kg	520
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Acenaphthene	1300	D	µg/Kg	3,440,000
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Fluorene	910	D	µg/Kg	2,290,000
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Phenanthrene	1400	D	µg/Kg	1,830,000
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Pyrene	740	D	µg/Kg	1,720,000
SE50-01-SB-101 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Acenaphthene	1700	D	µg/Kg	3,440,000
SE50-01-SB-101 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Fluorene	790	D	µg/Kg	2,290,000
SE50-01-SB-101 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Phenanthrene	920	D	µg/Kg	1,830,000
SE50-01-SB-101 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Pyrene	400	D	µg/Kg	1,720,000
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Benzo[a]anthracene	33	J	µg/Kg	4,810
SE50-01-SB-001 (1.0-1.5)DL	SB01	01.0-1.5	5/22/2003	Chrysene	100	JD	µg/Kg	48,100
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Oil Range Organics (C24-C40)	160		mg/Kg	2,500
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Oil Range Organics (C24-C40)	75		mg/Kg	2,500
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Acenaphthene	1100		µg/Kg	3,440,000
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Chrysene	85		µg/Kg	48,100
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Fluorene	390		µg/Kg	2,290,000
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Phenanthrene	1100		µg/Kg	1,830,000
SE50-01-SB-001 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Pyrene	790		µg/Kg	1,720,000
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Acenaphthene	900		µg/Kg	3,440,000
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Chrysene	59		µg/Kg	48,100
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Fluorene	400		µg/Kg	2,290,000
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Phenanthrene	580		µg/Kg	1,830,000
SE50-01-SB-101 (1.0-1.5)	SB01	01.0-1.5	5/22/2003	Pyrene	380		µg/Kg	1,720,000
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Diesel Range Organics (C12-C24)	26000	D	mg/Kg	520
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	2-Methylnaphthalene	36000	D	µg/Kg	NE
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Acenaphthene	2900	D	µg/Kg	3,440,000
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Fluorene	4500	D	µg/Kg	2,290,000
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Naphthalene	6200	D	µg/Kg	45,000
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Phenanthrene	12000	D	µg/Kg	1,830,000
SE50-01-SB-001(13.0-13.5)D	SB01	13.0-13.5	5/22/2003	Pyrene	950	D	µg/Kg	1,720,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	2-Methylnaphthalene	29000	E	µg/Kg	NE
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Chrysene	130	J	µg/Kg	48,100
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Oil Range Organics (C24-C40)	170		mg/Kg	2,500
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Acenaphthene	1900		µg/Kg	3,440,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Ethyl Benzene	1400		µg/Kg	69,600
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Fluorene	3000		µg/Kg	2,290,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	m,p-Xylene	4000		µg/Kg	1,090,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Naphthalene	5500		µg/Kg	45,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	o-Xylene	2100		µg/Kg	9,550,000

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TABLE 19. PRELIMINARY INVESTIGATION DETECTED RESULTS SE-50 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Phenanthrene	10000		µg/Kg	1,830,000
SE50-01-SB-001 (13.0-13.5)	SB01	13.0-13.5	5/22/2003	Pyrene	1000		µg/Kg	1,720,000
SE50-01-SB-001 (15.5-16.0)	SB01	15.5-16.0	5/22/2003	2-Methylnaphthalene	32	J	µg/Kg	NE
SE50-01-SB-001 (15.5-16.0)	SB01	15.5-16.0	5/22/2003	Phenanthrene	28	J	µg/Kg	1,830,000

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

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3.7.2 Results of Corrective Action

WSMR completed remediation at SE-50 from 14-23 December 2005. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation were delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, crews extended excavation in the appropriate direction until no physical evidence remained of further contamination in that direction. Petroflag ® analysis was not run on samples from this site. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 15.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and they extended excavation accordingly. The excavation at the former AST at SE-50 was ultimately extended to a depth of approximately 15 ft bgs. The sides of the excavation measured 20 ft X 15 ft. Photographs 34 and 35 show the SE-50 excavation. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2 (photographs 36-37).

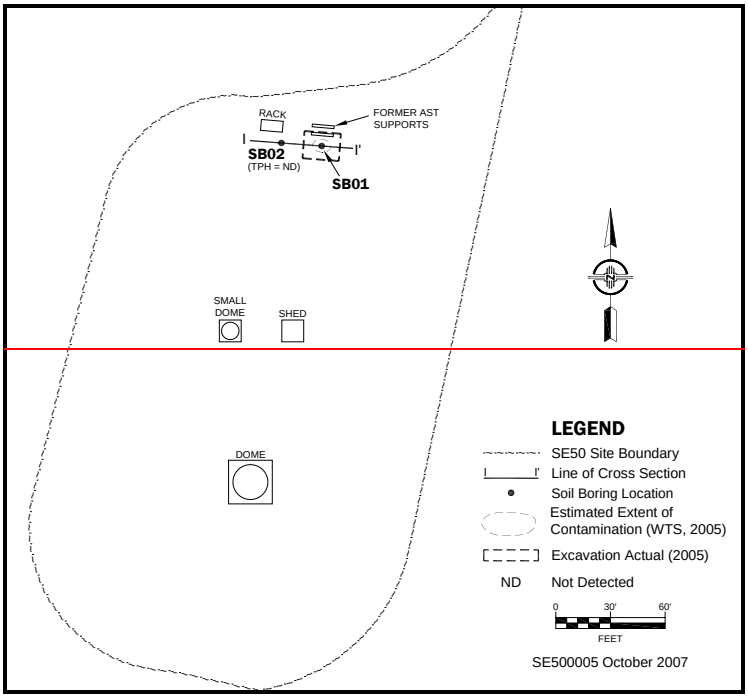

FIGURE 14. PLAN VIEW MAP OF THE SE-50 SITE.

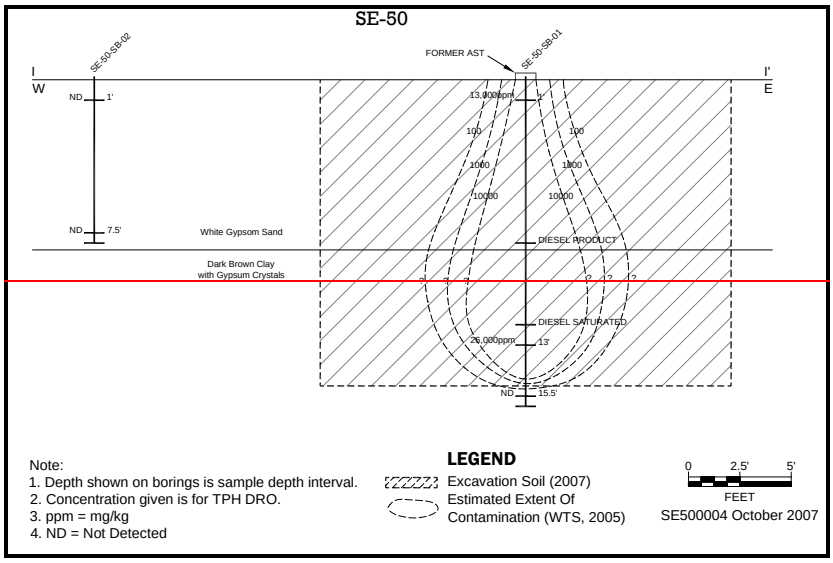

FIGURE 15. APPROXIMATE EXTENT OF EXCAVATIONS AT SE-50 SITE.
The final excavation dimensions were approximately 20 ft X 15 ft X 15 ft.
Dashed line in figure denotes estimated extent of contamination from the work plan.

PHOTOGRAPH 34.
BEGINNING EXCAVATION AT SE-50 SITE.
Photograph taken looking south.

PHOTOGRAPH 35.
COMPLETED EXCAVATION AT SE-50 SITE.
Photograph taken looking north-west.

PHOTOGRAPH 36.
SOIL STAGING LOCATION AT SE-50.
Photograph taken looking north-east.

PHOTOGRAPH 37.
SE-50 SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking west.

3.7.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from the SE-50 site, it is reported that crews removed 160 cubic yards of contaminated soil. This material was taken to DP-1051for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 2,050 mg/kg and was non-ignitable.

3.7.4 Verification of Remediation

To verify that clean-up objectives were met, site personnel collected confirmation soil samples and analyzed by analytical laboratory (Trace Analysis of Lubbock, Texas) prior to excavation backfill.
As stipulated in the work plan, samples were collected from the bottom of the excavation, one from each sidewall, and one duplicate sample per excavation. Samples taken from sidewalls were taken preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Personnel collected confirmation samples directly from the backhoe bucket after directing the operator where to take the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table 20~~9~~. Organic detections are shown in table 21. No relevant data quality exceptions were noted that could mask VOC or SVOC detections. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. TPH DRO was detected in two confirmation samples at a highest concentration of 64 mg/kg. TPH was not detected above the laboratory reporting limit of 50 mg/kg in any of the remaining samples. No VOCs or SVOCs were detected in any confirmation samples from the SE-50 excavation with the exception of di-n-octylphthalate. Di-n-octylphthalate was detected at 0.703 mg/kg in the confirmation sample collected from the base of the excavation. The Environmental Protection Agency Region 6 Human Health Screening Level (residential) for di-n-octylphthalate is 2,400 mg/kg. A NMED Soil Screening Level was not listed in the November 2005 Soil Screening Level Guidelines. Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site.

TABLE 20~~9~~. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS SE-50 SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
SE50-0208-CS-001 Base sample	<50.0	<0.050	<2.00	109	1.46	6.19	<0.040	6.60	<1.00
SE50-0208-CS-101 Duplicate of Base sample	<50.0	<0.050	<2.00	78.2	1.29	5.40	<0.040	3.97	<1.00
SE50-0208-CS-002 East side wall sample at 8 ft	<50.0	<0.050	<2.00	77.0	1.89	9.15	<0.040	3.97	<1.00
SE50-0208-CS-003 North side wall sample at 8 ft	51.4	<0.050	<2.00	21.4	0.327	1.27	<0.040	1.16	<1.00
SE50-0208-CS-004 West side wall sample at 8 ft	<50.0	<0.050	<2.00	50.2	0.637	3.01	<0.040	2.97	<1.00
SE50-0208-CS-005 South side wall sample at 8 ft	64.0	<0.050	<2.00	57.9	0.910	4.48	<0.040	2.94	<1.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

TABLE 21. LABORATORY ORGANIC DETECTIONS CONFIRMATION SAMPLES SE-50 SITE.						
Sample ID	Test	Method	Units	Parameter	Result	SSL
SE50-0208-CS-001	Semivolatiles	S 8270C	mg/Kg	Di-n-octylphthalate	0.703	2,400

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3.8 EC-50 Site (SWMU 209)

3.8.1 Preliminary Investigation (BAE Systems, 2003)

The Range-wide AST survey identified surface stains beneath an inactive AST at the EC-50 site (SWMU 209; CCWS 35) (photograph 38). Based on WSMR's examination of cores from the direct push probe, the upper 3 ft of soil appears to consist of fine to medium-grained sands with some clay and silt, underlain by a layer of mixed fine-grained sand, silt and clay with possible gypsum or caliche down to approximately 7 ft bgs to 8 ft bgs. Beneath this layer is a thin layer of fine to medium-grained sand, approximately 0.5 to 1 foot thick, with alternating layers of mixed sandy-clays and clayey-sands beneath down to a depth of 15 ft bgs.

PHOTOGRAPH 38. EC-50 SITE.
Photograph taken looking north-west

WSMR initially completed 5 soil borings at this site using the direct push geoprobe, with an additional 3 borings being made in a follow-up sampling event one week later. Concentrations of DRO were quantified at 4,700 mg/kg and 2,000 mg/kg in soil samples taken at depths of 1 ft bgs and 8 ft bgs, respectively, in the first boring (soil boring EC-50-SB-01), presumed to be the point of origin of the release from the AST. No DRO was detected above the reporting limit of 13 mg/kg in a sample taken at 12 ft bgs in this boring. Concentrations of DRO very similar to those detected in the first boring were detected in borings made approximately 10 ft and 15 ft south of the initial boring (soil borings EC-50-SB-02 and EC-

50-SB-04), with detections occurring as deep as 14.5 ft bgs, the maximum depth sampled. Detections of DRO were also made in a boring (soil boring EC-50-SB-05) made approximately 35 ft south of the initial boring at all depths, although the concentrations were not quantified any higher than at 1,200 mg/kg, reported for a sample prepared from soil taken at 13.5 ft bgs. No DRO was detected above the reporting limit of 12 mg/kg in a soil boring (soil boring EC-50-SB-03) made approximately 10 ft north-northeast of the initial boring.

Extent of Contamination from the Preliminary Investigation

The EC-50 site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 16 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the original estimated horizontal extent of contamination based on the preliminary investigation. It was originally estimated that approximately 280 cubic yards of contaminated soil was present beneath the EC-50 site. Actual excavation dimensions are shown superimposed over the original estimate on figure 16. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 17. Detected analytes from the preliminary investigation are included in table 22.

TABLE 22. PRELIMINARY INVESTIGATION DETECTED RESULTS EC-50 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
EC50-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	≥	degrees F	NE
EC50-01-SD-01DL	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	1500	D	mg/Kg	520
EC50-01-SD-01	NA	surface	5/7/2003	Oil Range Organics (C24-C40)	58		mg/Kg	2,500
EC50-01-SB-001-(1.0-1.5)DL	SB01	01.0-1.5	5/23/2003	Diesel Range Organics (C12-C24)	4700	D	mg/Kg	520
EC50-01-SB-001-(1.0-1.5)DL	SB01	01.0-1.5	5/23/2003	Chrysene	170	D	µg/Kg	48,100
EC50-01-SB-001-(1.0-1.5)DL	SB01	01.0-1.5	5/23/2003	Pyrene	950	D	µg/Kg	1,720,000
EC50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Chrysene	130		µg/Kg	48,100
EC50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Pyrene	810		µg/Kg	1,720,000
EC50-01-SB-001-(8.0-8.5)DL	SB01	08.0-8.5	5/23/2003	Diesel Range Organics (C12-C24)	2000	D	mg/Kg	520
EC50-01-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/23/2003	Pyrene	140	J	µg/Kg	1,720,000
EC50-01-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/23/2003	Oil Range Organics (C24-C40)	52		mg/Kg	2,500
EC50-01-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/23/2003	2-Methylnaphthalene	1900		µg/Kg	NE
EC50-01-SB-001-(8.0-8.5)	SB01	08.0-8.5	5/23/2003	Phenanthrene	2200		µg/Kg	1,830,000
EC50-01-SB-002(12.-12.5)DL	SB02	12.0-12.5	5/23/2003	Diesel Range Organics (C12-C24)	2300	D	mg/Kg	520
EC50-01-SB-002-(14.5-15.0)	SB02	14.5-15.0	5/23/2003	Diesel Range Organics (C12-C24)	18		mg/Kg	520
EC50-01-SB-003-(14.5-15.0)	SB03	14.5-15.0	5/23/2003	Oil Range Organics (C24-C40)	70		mg/Kg	2,500
EC50-01-SB-004-(7.5-8.0)DL	SB04	07.5-8.0	5/23/2003	Diesel Range Organics (C12-C24)	3200	D	mg/Kg	520
EC50-01-SB-004-(7.5-8.0)	SB04	07.5-8.0	5/23/2003	Oil Range Organics (C24-C40)	65		mg/Kg	2,500
EC50-01-SB-004(10.-10.5)DL	SB04	10.0-10.5	5/23/2003	Diesel Range Organics (C12-C24)	1900	D	mg/Kg	520
EC50-01-SB-004(14.5-15.)DL	SB04	14.5-15.0	5/23/2003	Diesel Range Organics (C12-C24)	3700	D	mg/Kg	520
EC50-01-SB-004-(14.5-15.0)	SB04	14.5-15.0	5/23/2003	Oil Range Organics (C24-C40)	83		mg/Kg	2,500
EC50-01-SB-005-(7.5-8.0)	SB05	07.5-8.0	5/23/2003	Diesel Range Organics (C12-C24)	220		mg/Kg	520
EC50-01-SB-005-(13.5-14)DL	SB05	13.5-14.0	5/23/2003	Diesel Range Organics (C12-C24)	1200	D	mg/Kg	520
EC50-01-SB-005-(14.5-15)	SB05	14.5-15.0	5/23/2003	Diesel Range Organics (C12-C24)	160		mg/Kg	520
EC50-01-SB-006 (3.5-4.0)DL	SB06	03.5-4.0	5/30/2003	Diesel Range Organics (C12-C24)	380	D	mg/Kg	520
EC50-01-SB-006 (7.5-8.0)	SB06	07.5-8.0	5/30/2003	Diesel Range Organics (C12-C24)	280		mg/Kg	520
EC50-01-SB-006 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	Diesel Range Organics (C12-C24)	810	D	mg/Kg	520
EC50-01-SB-106 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	Diesel Range Organics (C12-C24)	850	D	mg/Kg	520
EC50-01-SB-006 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	2-Methylnaphthalene	430	D	µg/Kg	NE
EC50-01-SB-006 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	Phenanthrene	580	D	µg/Kg	1,830,000
EC50-01-SB-106 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	2-Methylnaphthalene	480	D	µg/Kg	NE
EC50-01-SB-106 (14.5-15)DL	SB06	14.5-15.0	5/30/2003	Phenanthrene	640	D	µg/Kg	1,830,000
EC50-01-SB-006 (14.5-15.0)	SB06	14.5-15.0	5/30/2003	2-Methylnaphthalene	420		µg/Kg	NE
EC50-01-SB-006 (14.5-15.0)	SB06	14.5-15.0	5/30/2003	Phenanthrene	560		µg/Kg	1,830,000
EC50-01-SB-106 (14.5-15.0)	SB06	14.5-15.0	5/30/2003	2-Methylnaphthalene	450		µg/Kg	NE

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TABLE 22. PRELIMINARY INVESTIGATION DETECTED RESULTS EC-50 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
EC50-01-SB-106 (14.5-15.0)	SB06	14.5-15.0	5/30/2003	Phenanthrene	590		µg/Kg	1,830,000

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

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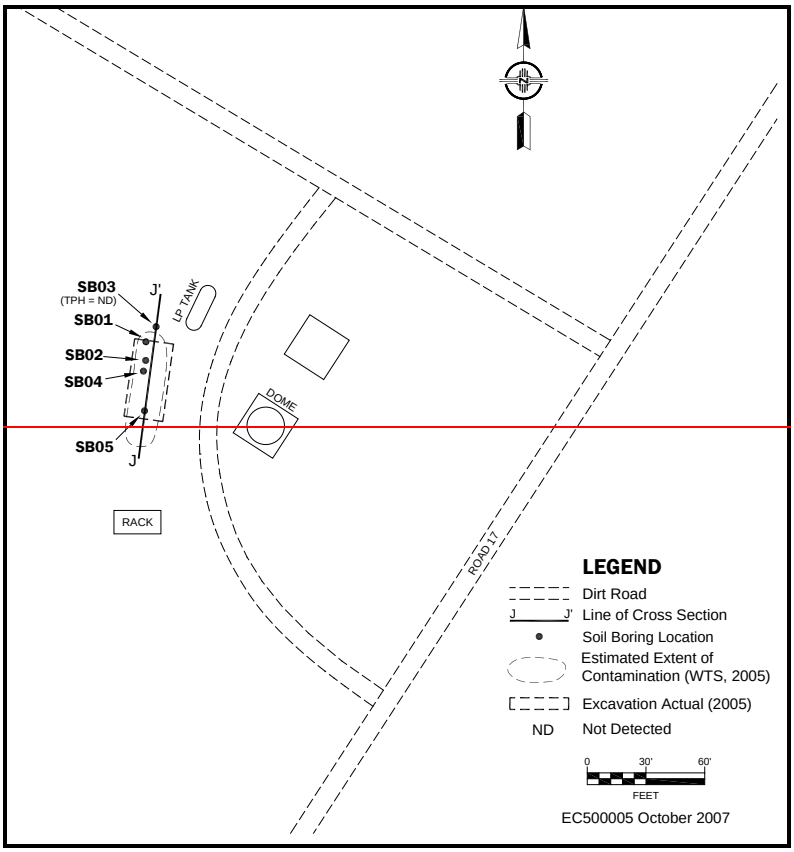

FIGURE 16. PLAN VIEW MAP OF THE EC-50 SITE.

3.8.2 Results of Corrective Action

WSMR completed remediation at EC-50 from 26 June 2007 – 3 July 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation was delineated based on interpolation of results as outlined in the work plan. When site personnel determined contamination extending laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. Clean overburden was removed and set aside to use

for backfill. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 17.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation was extended accordingly. Excavation at the site began using a backhoe. When it became obvious to site personnel that the excavation was extending beyond the original estimate, an excavator (trackhoe) was brought on site to complete excavation. Additionally, a Petroflag ® Test Kit was used to screen samples at the edges and base of the excavation. The excavation at the former AST at EC-50 was ultimately extended to a depth of approximately 32 ft bgs. The sides of the excavation measured approximately 40 ft X 20 ft. Ten test kits were run using the Petroflag ® system (table 23). Results ranged from 16 mg/kg to ~~121~~ 2,526 mg/kg full range hydrocarbons, which was well below the 520 mg/kg TPH Screening Guideline. Following results of the Petroflag analysis, excavation at the site was halted. Photographs 39-42 show the EC-50 excavation. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2.

TABLE 23. PETROFLAG® FIELD SCREENING RESULTS FOR EC-50 SITE.

Field Sample Location (ID)	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Base sample north side at 3 feet (Base01)	2,526	Required further excavation
Base sample near to south wall at 32 feet (Base02)	95	No further excavation down
South side wall at 30 feet (S01)	82	No further excavation to south
North side wall at 20 feet (N01)	68	No further excavation to north
West side wall to south at 20 feet (W01)	112	No further excavation to west
West side wall to north at 10 feet (W02)	121	No further excavation west
South side wall at 25 feet (S02)	116	No further excavation to south
Base sample at 25 feet (Base03)	139	No further excavation down
East side wall to south at 25 feet (E01)	16	No further excavation to east
East side wall to north at 15 feet (E02)	78	No further excavation to east

PHOTOGRAPH 39. BEGINNING EXCAVATION AT THE EC-50 SITE.
Photograph taken looking north.

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PHOTOGRAPH 40. COMPLETED EXCAVATION AT EC-50 SITE.
Photograph taken looking south-east.

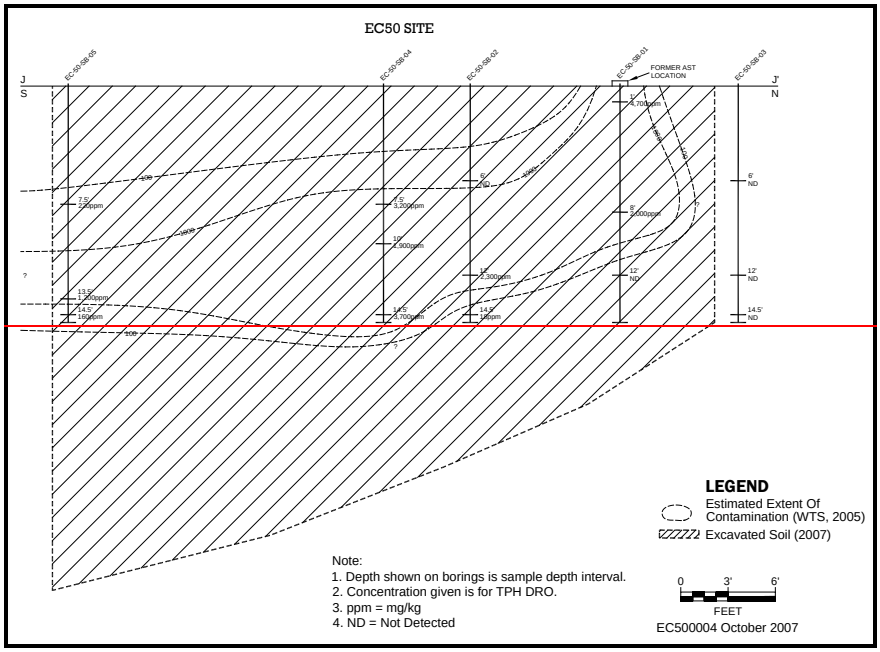

FIGURE 17. APPROXIMATE EXTENT OF EXCAVATIONS AT EC-50 SITE.

The final excavation dimensions were approximately 40 ft X 20 ft X 15-32 ft. Base of excavation slopes from 15 ft bgs at north end to 32 ft bgs at south end.
Dashed line in figure denotes estimated extent of contamination from the work plan.

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PHOTOGRAPH 41. SOIL STAGING LOCATION AT EC-50.
Photograph taken looking south-west.

PHOTOGRAPH 42. EC-50 SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking south.

3.8.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from each site, it is reported that 880 cubic yards (above the estimate from the preliminary investigation of 280 cubic yards) of contaminated soil was removed from EC-50. This material was taken to DP-1051for further remediation and handling under the requirements

and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 1,500 mg/kg and was non-ignitable.

It is noted that on 2 July 2007, during the remediation of the EC-50 site, one load of diesel impacted soil (20 cubic yards) was unintentionally dumped near mile marker 24 on Highway 54 in New Mexico. This was the result of a tire blowout on the dump truck. The excavation subcontractor, Rhino Environmental Services, responded to the spill on 2 July 2007 and removed the impacted soil from the site for disposal at its land farming facility. Confirmation samples were collected from the site. All impacted areas along the highway having TPH concentrations greater than the background (> 50 ppm) were excavated on 30 July 2007. Additional confirmation samples were collected which indicate the impacted soils were removed from the area. Results of this incident are included in the summary report included in appendix A.

3.8.4 Verification of Remediation

To verify that clean-up objectives were met, WSMR collected confirmation soil samples and analyzed by Trace Analysis prior to excavation backfill. As stipulated in the work plan, site personnel collected samples from the bottom of the excavation, from each sidewall, and one duplicate sample per excavation. Samples taken from the excavation floors were collected as closely to the lateral centers of the diesel spills as possible. Samples taken from sidewalls were taken preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. The confirmation sample locations do not reflect contamination shown during the preliminary investigation. The preliminary investigation was only able to complete borings to a total depth of 14.5 feet due to push probe refusal at the site. During excavation, additional contamination was discovered and removed at a depth greater than 14.5 feet. The field crew made a determination to collect confirmation samples at the greater depths based on determination of contamination using the physical methods (visual and olfactory) and results of Petroflag ® analyses.

Due to the size of the excavation, site personnel collected additional samples than planned from the base and sidewalls of the excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to excavate the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table ~~10~~24. Detected organics are listed in table 25. No relevant data quality exceptions were noted that could mask VOC or SVOC detections. Additionally, WSMR collected an equipment blank using Type II water poured over the sample bowls following decontamination and analyzed. No contaminants of concern were detected that would indicate the sampling equipment would contaminate subsequent samples. All confirmation sample laboratory results are included in appendix C.

Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. Metals are not expected to be associated with diesel fuel, however, WSMR analyzed for RCRA metals to determine their concentrations at the site. TPH DRO was detected in one confirmation sample at a concentration of 249 mg/kg, below the TPH Screening Guideline of 520 mg/kg. TPH DRO was not detected at a reporting limit of 50 mg/kg in the remaining confirmation samples. No VOCs or SVOCs were detected in any confirmation samples from the EC-50 excavation with the exception of bis(2-ethylhexyl)phthalate. Bis(2-ethylhexyl)phthalate was detected at a highest concentration of 12.3 mg/kg in one confirmation sample. This detection is likely a laboratory artifact and not the result of contamination from the site. The NMED SSL for bis(2-ethylhexyl)phthalate (June 2006) is 347 mg/kg.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site.

TABLE 24~~10~~. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS EC-50 SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0209-CF-001-32.0 base sample near south wall at 32 ft	249	<0.250	<2	11.2	<0.200	2.02	<0.040	<1.00	<2.00
0209-CF-002-30.0 South side wall sample at 30 ft	<50	<0.250	<2	49.1	<0.200	2.71	<0.040	<1.00	<2.00
0209-CF-003-20.0 North side wall sample at 20 ft	<50	<0.250	<2	175	0.711	8.72	<0.040	<1.00	<2.00
0209-CF-004-20.0 West side sample near south at 20 ft	<50	<0.250	<2	48.0	0.719	5.66	<0.040	<1.00	<2.00
0209-CF-104-20.0 Duplicate of -004	<50	<0.250	2.10	43.7	0.754	5.57	<0.040	<1.00	<2.00
0209-CF-005-10.0 West side sample near north at 10 ft	<50	<0.250	<2	40.7	0.382	4.63	<0.040	<1.00	<2.00
0209-CF-006-25.0 South side wall sample at 25 ft	<50	<0.250	<2	64.8	0.749	4.28	<0.040	<1.00	<2.00
0209-CF-007-15.0 base sample near north wall at ~~15~~ approx. 22 ft. Original sample depth misreported.	<50	<0.250	<2	19.9	0.555	7.67	<0.040	<1.00	<2.00
0209-CF-008-25.0 East side wall sample near south wall at 25 ft	<50	<0.250	2.44	20.5	0.480	1.96	<0.040	<1.00	<2.00
0209-CF-009-15.0 East side wall sample near north wall at 15 ft	<50	<0.250	<2	109	0.436	5.73	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

TABLE 25. LABORATORY ORGANIC DETECTIONS EC-50 SITE

Sample ID	Test	Method	Units	Parameter	Result	SS
0209-CF-003-20.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	12.3	347
0209-CF-104-20.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	0.594	347

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3.9 Cowan Site (SWMU 211)

3.9.1 Preliminary Investigation (BAE Systems, 2003)

The Range-wide AST survey identified a surface stain beneath the former site of an AST at the Cowan site (SWMU 211; CCWS 37). Site personnel noted a stain on surface gravel during the preliminary investigation (photograph 43). Based on examination of cores from the preliminary investigation, soils at the site appear to be silty, fine-grained sands down to approximately 9 ft bgs to 12 ft bgs, with a compact, plastic clay layer with some gypsum underlying this layer down to at least 14 ft bgs. Approximate depth to ground water at this site is unknown. ~~An estimated depth to ground water at this site is 20 to 30 ft bgs based on wells at Denver Site (Denver MW-01 to MW-04 located to the northwest) and wells at Tula Gate Site (TP-02 to TP-04 located to the south).~~

WSMR completed 4 soil borings at this site during the preliminary investigation. Concentrations of DRO were quantified in the first boring (soil boring CWAN-SB-01), presumed to be the point of origin of the release.

A concentration of 11,000 mg/kg was reported for samples taken from both 2.5 ft bgs and 7.5 ft bgs in this boring. This exceeds the NMED TPH residential screening guideline for diesel fuel of 520 mg/kg. Analysis of sample from soil taken at 5 ft bgs in a boring made approximately 7.5 ft north-northeast of the first boring (soil boring CWAN-SB-03) reported a DRO concentration of 6,400 mg/kg, though no detections above the 12 mg/kg reporting limit were made in analysis of samples taken at 2 ft bgs and 12.5 ft bgs in this boring. No DRO was detected above reporting limits in soil borings CWAN-SB-02 and CWAN-SB-04.

PHOTOGRAPH 43. FORMER LOCATION OF AST, COWAN SITE.
Photograph taken looking east.

Extent of Contamination from the Preliminary Investigation

Cowan Site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 18 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. It was originally estimated that approximately 55 cubic yards of contaminated soil was beneath Cowan Site. Actual excavation dimensions are shown superimposed over the original estimate on figure 18. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 19. Table 26 lists detected analytes from the preliminary investigation. The full extent of contamination was not determined during the preliminary investigation. Further site characterization through soil sampling (with the exception of confirmation samples) was not completed. The determination of furthest extent of contamination and remediation was accomplished through excavation and soil removal (Section 3.9.2).

TABLE 26. PRELIMINARY INVESTIGATION DETECTED RESULTS COWAN SITE COWAN SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units		NMED SSL
CWAN-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F		NE
CWAN-01-SD-01	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	150		mg/Kg		52
CWAN-01-SD-01	NA	surface	5/7/2003	Oil Range Organics (C24-C40)	150		mg/Kg		2,50
CWAN-01-SB-001 (2.5-3.0)DL	SB01	02.5-3.0	5/21/2003	Diesel Range Organics (C12-C24)	11000	D	mg/Kg		52
CWAN-01-SB-001 (2.5-3.0)DL	SB01	02.5-3.0	5/21/2003	2-Methylnaphthalene	160	D	µg/Kg		NE
CWAN-01-SB-001 (2.5-3.0)DL	SB01	02.5-3.0	5/21/2003	Phenanthrene	1800	D	µg/Kg	1,830,00	
CWAN-01-SB-001 (2.5-3.0)DL	SB01	02.5-3.0	5/21/2003	Pyrene	220	D	µg/Kg	1,720,00	
CWAN-01-SB-001 (2.5-3.0)DL	SB01	02.5-3.0	5/21/2003	Chrysene	93	JD	µg/Kg		48,10
CWAN-01-SB-001 (2.5-3.0)	SB01	02.5-3.0	5/21/2003	Oil Range Organics (C24-C40)	230		mg/Kg		2,50
CWAN-01-SB-001 (2.5-3.0)	SB01	02.5-3.0	5/21/2003	2-Methylnaphthalene	120		µg/Kg		NE
CWAN-01-SB-001 (2.5-3.0)	SB01	02.5-3.0	5/21/2003	Chrysene	72		µg/Kg		48,10
CWAN-01-SB-001 (2.5-3.0)	SB01	02.5-3.0	5/21/2003	Phenanthrene	1500		µg/Kg	1,830,00	
CWAN-01-SB-001 (2.5-3.0)	SB01	02.5-3.0	5/21/2003	Pyrene	220		µg/Kg	1,720,00	
CWAN-01-SB-001 (7.5-8.0)DL	SB01	07.5-8.0	5/21/2003	Diesel Range Organics (C12-C24)	11000	D	mg/Kg		52
CWAN-01-SB-001 (7.5-8.0)DL	SB01	07.5-8.0	5/21/2003	2-Methylnaphthalene	7100	D	µg/Kg		NE
CWAN-01-SB-001 (7.5-8.0)DL	SB01	07.5-8.0	5/21/2003	Naphthalene	2400	D	µg/Kg		45,00
CWAN-01-SB-001 (7.5-8.0)DL	SB01	07.5-8.0	5/21/2003	Phenanthrene	5200	D	µg/Kg	1,830,00	
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	2-Methylnaphthalene	6500	E	µg/Kg		NE
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	Phenanthrene	3700	E	µg/Kg	1,830,00	
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	Chrysene	36	J	µg/Kg		48,10
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	Oil Range Organics (C24-C40)	190		mg/Kg		2,50
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	Naphthalene	2400		µg/Kg		45,00
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	o-Xylene	110		µg/Kg	9,[illegible]	
CWAN-01-SB-001 (7.5-8.0)	SB01	07.5-8.0	5/21/2003	Pyrene	75		µg/Kg	1,[illegible]	
CWAN-01-SB-003 (5.0-5.5)DL	SB03	05.0-5.5	5/21/2003	Diesel Range Organics (C12-C24)	6400	D	mg/Kg		52
CWAN-01-SB-003 (5.0-5.5)	SB03	05.0-5.5	5/21/2003	Oil Range Organics (C24-C40)	89		mg/Kg		2,50

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

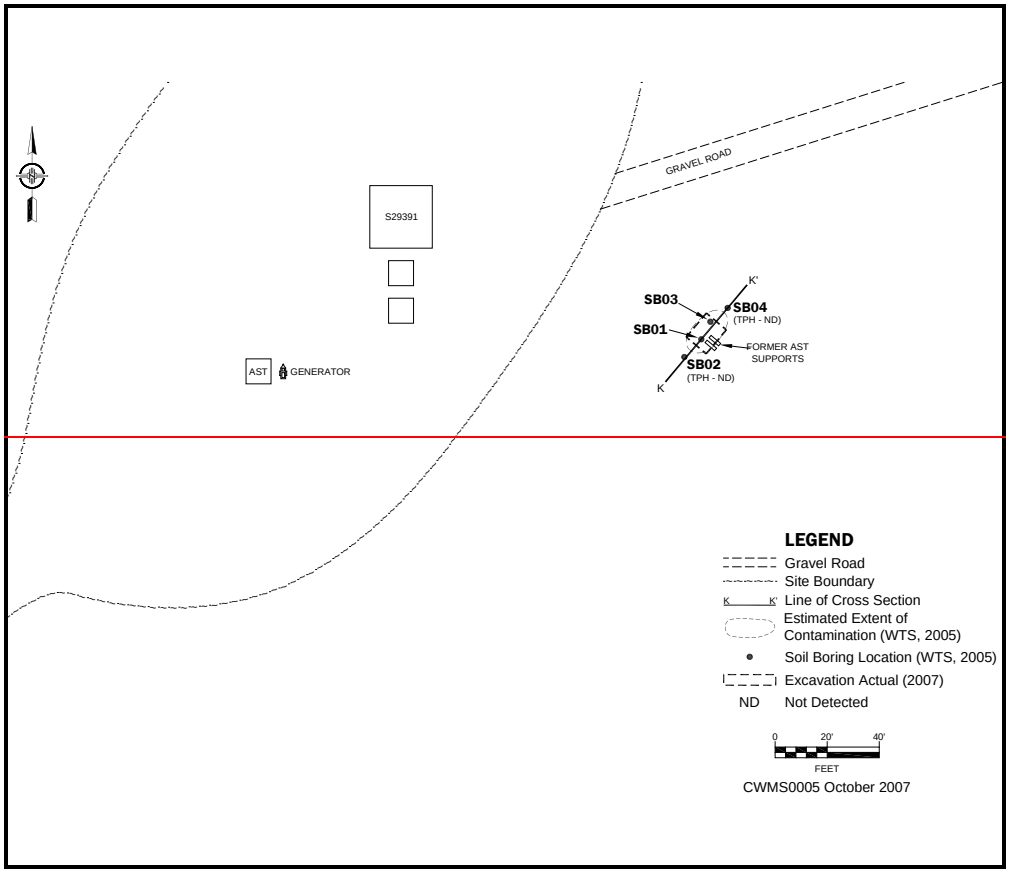

FIGURE 18. PLAN VIEW MAP OF THE COWAN SITE.

3.9.2 Results of Corrective Action

WSMR completed remediation at Cowan Site from 25-26 June 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation was delineated based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, site personnel extended the excavation in the appropriate direction until no physical evidence remained of further contamination in that direction. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 19.

Physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) by site personnel were used to determine when contamination was still present in soil and the excavation extended accordingly. Additionally, a Petroflag ® Test Kit was used to screen samples at the edges and base of the excavation. Site personnel ultimately extended the excavation to a depth of approximately 14 ft bgs. The sides of the excavation measured 12 ft X 10 ft. Five test kits were run using the Petroflag ® system (table 27). Results ranged from 251 mg/kg to 330 mg/kg full range hydrocarbons, which was well below the 520 mg/kg TPH Screening Guideline. Following results of the Petroflag analysis, excavation at the site was halted. Photographs 44 and 45 show the Cowan excavation. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2 (photographs 46-47).

TABLE 27. PETROFLAG® FIELD SCREENING RESULTS FOR COWAN SITE.

Field Sample Location	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Base sample at 14 feet (Base01)	330	No further excavation
Southwest side wall at 10 feet (SW01)	251	No further excavation
Northeast side wall at 10 feet (SW01)	260	No further excavation
Southeast side wall at 10 feet (SE01)	254	No further excavation
Northwest side wall at 10 feet (NW01)	257	No further excavation

PHOTOGRAPH 44. BEGINNING EXCAVATION AT COWAN SITE.

PHOTOGRAPH 45. COMPLETED EXCAVATION AT COWAN SITE.

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Photograph taken looking south-east.

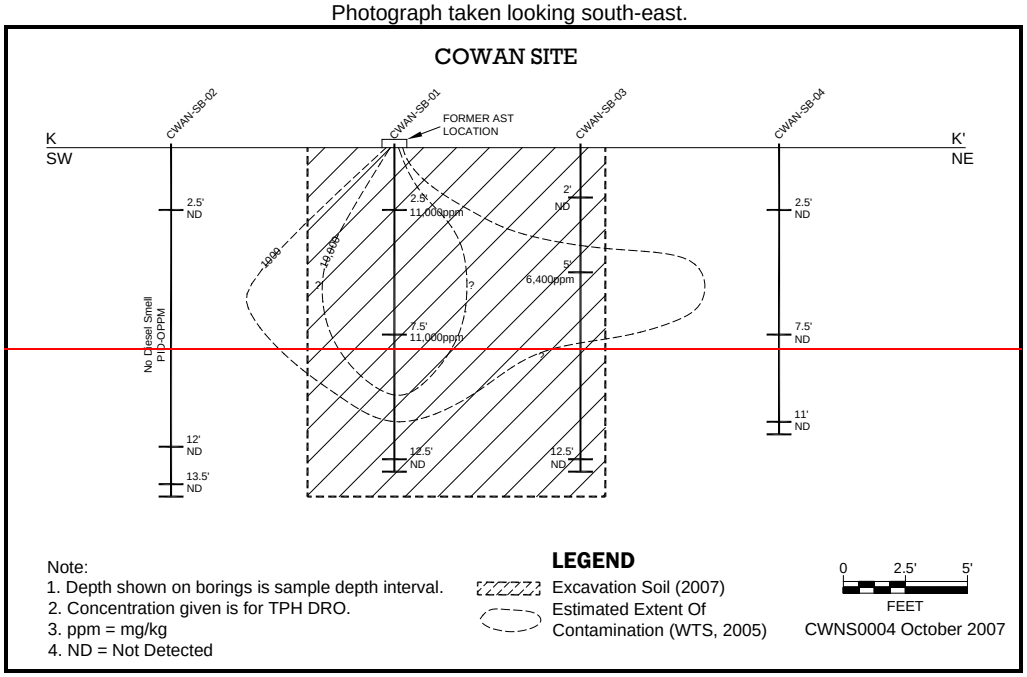

FIGURE 19. APPROXIMATE EXTENT OF EXCAVATIONS AT COWAN SITE.
The final excavation dimensions were approximately 12 ft X 10 ft X 14 ft.
Dashed line in figure denotes estimated extent of contamination from the work plan.

PHOTOGRAPH 46. SOIL STAGING LOCATION AT COWAN.

Photograph taken looking north-east.

PHOTOGRAPH 47. COWAN SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking south-east.

3.9.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from Cowan Site, it is reported that 80 cubic yards of contaminated soil was removed. This material was taken to DP-1051for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 150 mg/kg and was non-ignitable.

3.9.4 Verification of Remediation

To verify that clean-up objectives were met, WSMR collected confirmation soil samples which were analyzed by Trace Analysis prior to excavation backfill. As stipulated in the work plan, samples were collected from the bottom of the excavation, one from each sidewall, and one duplicate sample per excavation. Samples taken from sidewalls were taken preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were not collected based solely on location of contamination shown in the preliminary investigation. As excavation progressed, contamination was discovered deeper than the 7.5 feet determined during the preliminary investigation. Therefore, the field crew made a determination to collect confirmation samples at the greater depths based on determination of contamination using the physical methods (visual and olfactory) and results of Petroflag ® analyses.

Site personnel collected confirmation samples directly from the backhoe bucket after directing the operator where to excavate the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl for prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were

analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. Confirmation sample results for TPH DRO and RCRA metals are listed in table ~~11~~28. Organics detected in confirmation samples are listed in Table 29. No relevant data quality exceptions were noted that could mask VOC or SVOC detections. Additionally, site personnel collected equipment blank using Type II water poured over the sample bowls following decontamination and analyzed. No contaminants of concern were detected that would indicate the sampling equipment would contaminate subsequent samples. All confirmation sample laboratory results are included in appendix C.

With the exception of arsenic, results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. Arsenic was detected in the base sample at 4.72 mg/kg (NMED SSL = 3.9 mg/kg), however, this detection was from a sample at 14 ft depth which is well below the residential exposure scenario depth of 0 ft bgs to 2 ft bgs and is therefore of no concern. A pathway does not exist at this site for residential exposure to arsenic.

NMED describes construction worker exposure as exposures to surface and subsurface soils (at depths of zero to 10 feet below ground surface) during excavation, maintenance and building construction projects (intrusive operations). The highest detection of arsenic, sampled at 14 feet bgs is 4.72 mg/kg detection which is below the NMED SSL for construction worker of 17.7 mg/kg. Additionally, this depth is below the exposure depth of concern. A pathway for construction worker exposure to arsenic does not exist.

–TPH DRO was not detected above the laboratory reporting limit of 50 mg/kg in any of the samples. No VOCs or SVOCs were detected in any confirmation samples from the Cowan excavation with the exception of bis(2-ethylhexyl)phthalate. Bis(2-ethylhexyl)phthalate was detected at 5.04 mg/kg in one confirmation sample. This detection is likely a laboratory artifact and not the result of contamination from the site. The NMED SSL for bis(2ethylhexyl)phthalate (June 2006) is 347 mg/kg.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site at levels above regulatory concern.

TABLE ~~11~~28. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS COWAN SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0211-CF-001-10.0 Northeast side wall sample at 10 ft	<50	<0.25	<2	40.9	<0.2	2.72	<0.04	<1	<2
0211-CF-002-10.0 Southwest side wall sample at 10 ft	<50	<0.25	<2	58.5	0.432	8.57	<0.04	<1	<2
0211-CF-003-10.0 South~~E~~east side wall sample at 10 ft	<50	<0.25	<2	66.7	0.43	9.12	<0.04	<1	<2
0211-CF-004-10.0 Northw~~W~~est side wall sample at 10 ft	<50	<0.25	2.83	78.4	0.543	8.6	<0.04	<1	<2
0211-CF-005-14.0 Base sample	<50	<0.25	4.72	140	0.767	10.4	<0.04	<1	<2
0211-CF-105-14.0 Duplicate of Base sample	<50	<0.25	4.31	140	0.759	10.4	<0.04	<1	<2

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

TABLE 29. LABORATORY ORGANIC DETECTIONS COWAN SITE.

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Sample ID	Test	Method	Units	Parameter	Result	SS
0211-CF-005-14.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	5.04	347
0211-CF-105-14.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	1.76	347

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3.10 Gran Jean Site (SWMU 213)

3.10.1 Preliminary Investigation (BAE Systems, 2003)

The AST survey identified surface stains beneath the former location of an AST at Gran Jean Site (SWMU 213; CCWS 38). Site personnel identified stained soils during the preliminary investigation (photograph 48). Based on WSMR's examination of cores from the direct push probe, the upper 3 ft of soil at the site consisted of silty, fine to medium-grained sands. Underlying this layer is an approximately 5-ft thick layer of silty fine-grained- sand with clay and caliche. Beneath this layer, soils are medium to coarse-grained sands down to 15 ft bgs. Approximate depth to ground water at this site is unknown. ~~An estimated depth to ground water at this site is greater than 150 ft bgs based on the Murray Test Well located to the east and the SRM wells located to the north at Stallion Range Center.~~

PHOTOGRAPH 48.
STAINED SOILS AT LOCATION OF FORMER AST, GRAN JEAN SITE.

WSMR initially completed four soil borings at this site using the direct push geoprobe, with an additional ~~four~~ three borings being made in a follow-up sampling event one week later. Concentrations of DRO were

quantified as high as 14,000 mg/kg in the first boring (soil boring GRJN-SB-01), made at the presumed point of origin of the release. Quantifications of DRO above screening guidelines were also made in samples taken from a boring (soil boring GRJN-SB-04) approximately 10 ft south of the initial boring and another boring located approximately 10 ft east of the initial boring (soil boring GRJN-SB-02).

Extent of Contamination from the Preliminary Investigation

Gran Jean Site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 20 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the estimated horizontal extent of contamination based on the preliminary investigation. It was originally estimated that approximately 510 cubic yards of contaminated soil was beneath Gran Jean Site. Actual excavation dimensions are shown superimposed over the original estimate on figure 20. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 21. Table 30 lists detected analytes from the preliminary investigation. The full extent of contamination was not determined during the preliminary investigation. Further site characterization through soil sampling (with the exception of confirmation samples) was not completed. The determination of furthest extent of contamination and remediation was accomplished through excavation and soil removal (Section 3.10.2).

TABLE 30. PRELIMINARY INVESTIGATION DETECTED RESULTS GRAN JEAN SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
GRJN-01-SD-01	NA	surface	5/6/2003	Flash Point (Setaflash)	200	>	degrees F	NE
GRJN-01-SD-01	NA	surface	5/6/2003	Diesel Range Organics (C12-C24)	35		mg/Kg	520
GRJN-01-SD-01	NA	surface	5/6/2003	Oil Range Organics (C24-C40)	140		mg/Kg	2,500
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Diesel Range Organics (C12-C24)	14000	D	mg/Kg	520
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	2-Methylnaphthalene	32000	D	µg/Kg	NE
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Acenaphthene	970	D	µg/Kg	3,440,000
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Fluorene	1500	D	µg/Kg	2,290,000
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Naphthalene	4100	D	µg/Kg	45,000
GRJN-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/27/2003	Phenanthrene	13000	D	µg/Kg	1,830,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	2-Methylnaphthalene	38000	E	µg/Kg	NE
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Oil Range Organics (C24-C40)	240		mg/Kg	2,500
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Acenaphthene	760		µg/Kg	3,440,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Fluoranthene	230		µg/Kg	2,290,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Fluorene	1300		µg/Kg	2,290,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Naphthalene	3900		µg/Kg	45,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Phenanthrene	11000		µg/Kg	1,830,000
GRJN-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/27/2003	Pyrene	550		µg/Kg	1,720,000
GRJN-01-SB-001-(11.5-12)DL	SB01	11.5-12.0	5/27/2003	Diesel Range Organics (C12-C24)	9500	D	mg/Kg	520
GRJN-01-SB-001-(11.5-12)DL	SB01	11.5-12.0	5/27/2003	2-Methylnaphthalene	53000	D	µg/Kg	NE
GRJN-01-SB-001-(11.5-12)DL	SB01	11.5-12.0	5/27/2003	Naphthalene	7400	D	µg/Kg	45,000
GRJN-01-SB-001-(11.5-12)DL	SB01	11.5-12.0	5/27/2003	Phenanthrene	11000	D	µg/Kg	1,830,000
GRJN-01-SB-001-(11.5-12.0)	SB01	11.5-12.0	5/27/2003	2-Methylnaphthalene	49000	E	µg/Kg	NE
GRJN-01-SB-001-(11.5-12.0)	SB01	11.5-12.0	5/27/2003	Oil Range Organics (C24-C40)	120		mg/Kg	2,500
GRJN-01-SB-001-(11.5-12.0)	SB01	11.5-12.0	5/27/2003	Naphthalene	8200		µg/Kg	45,000
GRJN-01-SB-001-(11.5-12.0)	SB01	11.5-12.0	5/27/2003	Phenanthrene	9900		µg/Kg	1,830,000
GRJN-01-SB-001-(14.5-15)DL	SB01	14.5-15.0	5/27/2003	Diesel Range Organics (C12-C24)	1600	D	mg/Kg	520
GRJN-01-SB-001-(14.5-15)DL	SB01	14.5-15.0	5/27/2003	2-Methylnaphthalene	3100	D	µg/Kg	NE
GRJN-01-SB-001-(14.5-15)DL	SB01	14.5-15.0	5/27/2003	Naphthalene	160	D	µg/Kg	45,000
GRJN-01-SB-001-(14.5-15)DL	SB01	14.5-15.0	5/27/2003	Phenanthrene	1600	D	µg/Kg	1,830,000
GRJN-01-SB-001-(14.5-15.0)	SB01	14.5-15.0	5/27/2003	2-Methylnaphthalene	3000	E	µg/Kg	NE
GRJN-01-SB-001-(14.5-15.0)	SB01	14.5-15.0	5/27/2003	Fluoranthene	35		µg/Kg	2,290,000

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TABLE 30. PRELIMINARY INVESTIGATION DETECTED RESULTS GRAN JEAN SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
GRJN-01-SB-001-(14.5-15.0)	SB01	14.5-15.0	5/27/2003	Naphthalene	170		µg/Kg	45,000
GRJN-01-SB-001-(14.5-15.0)	SB01	14.5-15.0	5/27/2003	Phenanthrene	1500		µg/Kg	1,830,000
GRJN-01-SB-001-(14.5-15.0)	SB01	14.5-15.0	5/27/2003	Pyrene	37		µg/Kg	1,720,000
GRJN-01-SB-002-(7.5-8.0)DL	SB02	07.5-8.0	5/27/2003	Diesel Range Organics (C12-C24)	13000	D	mg/Kg	520
GRJN-01-SB-002-(7.5-8.0)	SB02	07.5-8.0	5/27/2003	Oil Range Organics (C24-C40)	71		mg/Kg	2,500
GRJN-01-SB-002(13.5-14.)DL	SB02	13.5-14.0	5/27/2003	Diesel Range Organics (C12-C24)	14000	D	mg/Kg	520
GRJN-01-SB-102-(13.5-14)DL	SB02	13.5-14.0	5/27/2003	Diesel Range Organics (C12-C24)	18000	D	mg/Kg	520
GRJN-01-SB-002-(13.5-14.0)	SB02	13.5-14.0	5/27/2003	Oil Range Organics (C24-C40)	110		mg/Kg	2,500
GRJN-01-SB-102-(13.5-14.0)	SB02	13.5-14.0	5/27/2003	Oil Range Organics (C24-C40)	480		mg/Kg	2,500
GRJN-01-SB-003-(10.0-10.5)	SB03	10.0-10.5	5/27/2003	Diesel Range Organics (C12-C24)	20		mg/Kg	520
GRJN-01-SB-004-(7.5-8.0)DL	SB04	07.5-8.0	5/27/2003	Diesel Range Organics (C12-C24)	570	D	mg/Kg	520
GRJN-01-SB-004(10.5-11)DL	SB04	10.5-11.0	5/27/2003	Diesel Range Organics (C12-C24)	1500	D	mg/Kg	520
GRJN-01-SB-004-(14.0-14.5)	SB04	14.0-14.5	5/27/2003	Acetone	8	J	µg/Kg	67,500,000
GRJN-01-SB-004-(14.0-14.5)	SB04	14.0-14.5	5/27/2003	Diesel Range Organics (C12-C24)	31		mg/Kg	520
GRJN-01-SB-004-(14.0-14.5)	SB04	14.0-14.5	5/27/2003	Phenanthrene	48		µg/Kg	1,830,000

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

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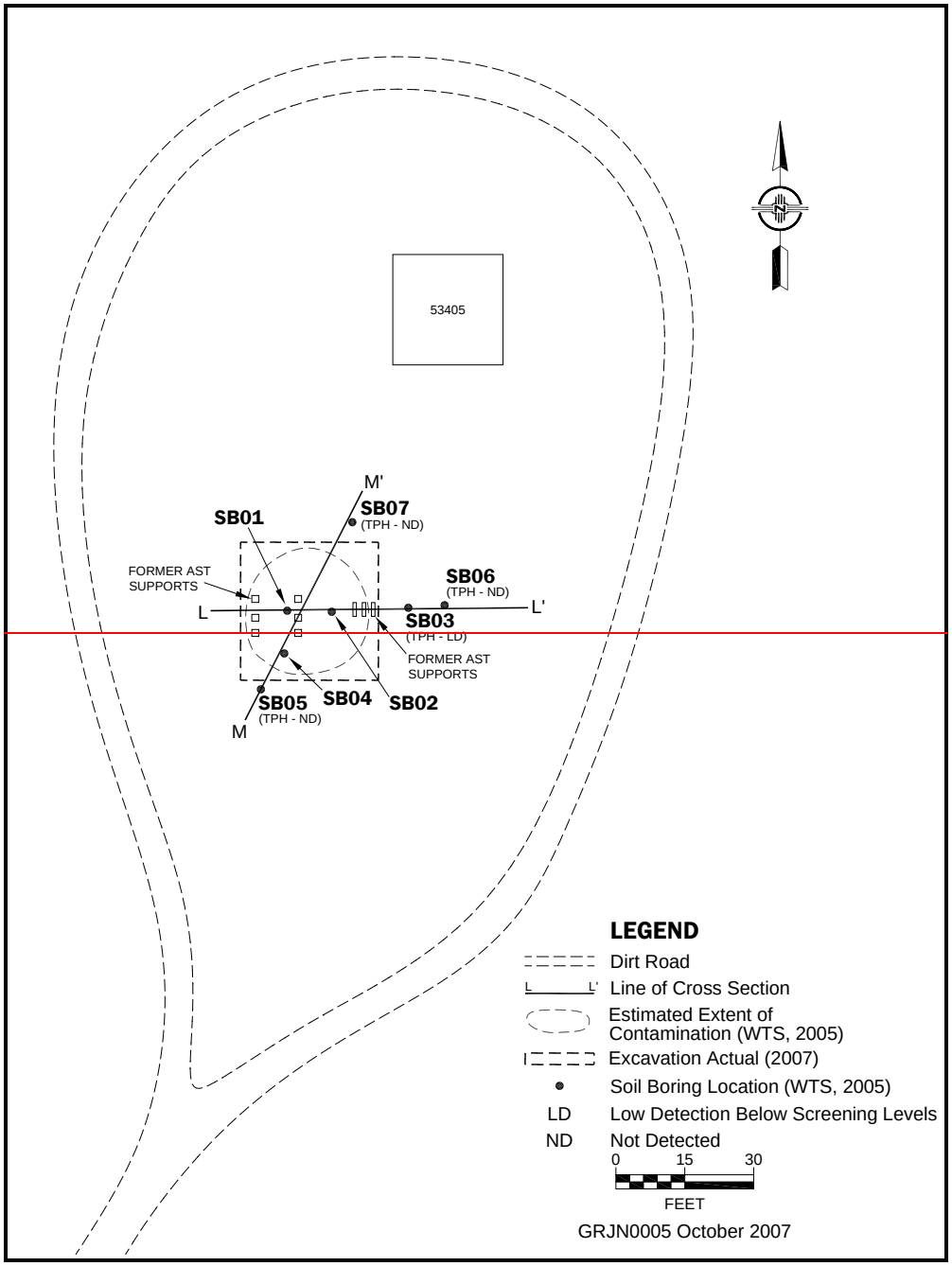

FIGURE 20. PLAN VIEW MAP OF THE GRAN JEAN SITE.

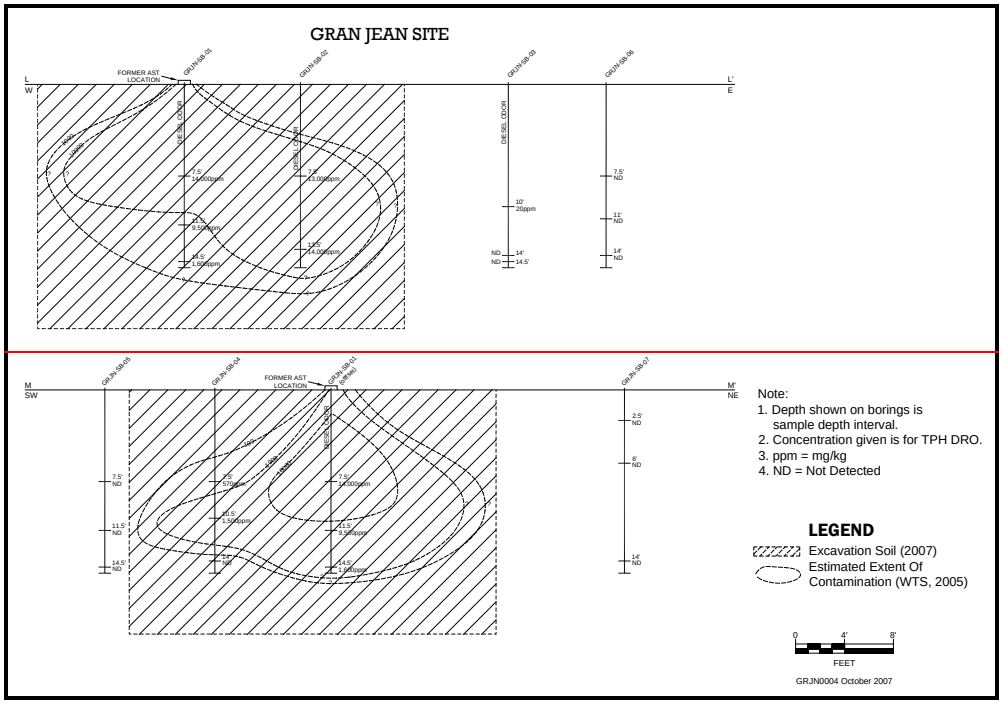

FIGURE 21. APPROXIMATE EXTENT OF EXCAVATIONS AT GRAN JEAN SITE.
The final excavation dimensions were approximately 30 ft X 30 ft X 20 ft. Dashed line in figure denotes estimated extent of contamination from the work plan.

3.10.2 Results of Corrective Action

WSMR completed remediation at Gran Jean Site from 12 July 2007 – 23 July 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation were delineated by site personnel based on interpolation of results as outlined in the work plan. When contamination was determined to extend laterally beyond these boundaries, excavation was extended in the appropriate direction until no physical evidence remained of further contamination in that direction. Clean overburden (approximately 200 cubic yards) was removed and set aside to use for backfill. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 21.

Physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) by site personnel were used to determine when contamination was still present in soil and the excavation extended accordingly. Site personnel completed excavation at the site using an excavator (trackhoe). Additionally, a Petroflag ® Test Kit was used to screen samples at the edges and base of the excavation. The excavation at the former AST at Gran Jean was ultimately extended to a depth of approximately 20 ft bgs. The sides of the excavation measured approximately 30 ft X 30 ft. Six test kits were run using the Petroflag ® system (table 31). Results ranged from 31 mg/kg to 162 mg/kg full range hydrocarbons, a reading which was well below the 520 mg/kg TPH Screening Guideline. Following results of the Petroflag analysis, excavation at the site was halted. Site personnel completed soil staging, transport, backfill, and grading as described in Sections 3.2.2.1 and 3.2.2.2. Photographs 49-52 show the Gran Jean excavation.

TABLE 31. PETROFLAG® FIELD SCREENING RESULTS FOR GRAN JEAN SITE.

Field Sample Location	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Base sample near to south at 20 feet (Base01)	91	No further excavation
South side wall at 15 feet (S01)	60	No further excavation
East side wall at 15 feet (E01)	31	No further excavation
West side wall at 15 feet (W01)	42	No further excavation
North side wall at 15 feet (N01)	82	No further excavation
Base sample near to north at 20 feet (Base02)	162	No further excavation

PHOTOGRAPH 49. BEGINNING EXCAVATION AT THE GRAN JEAN SITE.
Photograph taken looking north.

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PHOTOGRAPH 50. COMPLETED EXCAVATION AT GRAN JEAN SITE.
Photograph taken looking south.

PHOTOGRAPH 51. SOIL STAGING LOCATION AT GRAN JEAN.
Photograph taken looking east.

PHOTOGRAPH 52. GRAN JEAN SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking south-west.

3.10.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from each site, it is reported that 820 cubic yards of contaminated soil was removed from Gran Jean which was above the estimated cubic yardage of 510 based on the preliminary investigation. This material was taken to a DP-1051for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 35 mg/kg and was non-ignitable.

3.10.4 Verification of Remediation.

To verify that clean-up objectives were met, site personnel collected confirmation soil samples which were analyzed by Trace Analysis prior to excavation backfill. As stipulated in the work plan, samples were collected from the bottom of the excavation, from each sidewall, and one duplicate sample per excavation. Samples taken from the excavation floors were collected as closely to the lateral centers of the diesel spills as possible. Samples taken from sidewalls were taken preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were not collected based entirely on results of the preliminary investigation. As excavation progressed, contamination was discovered deeper than the 7.5 feet to 14.5 feet determined for contamination during the preliminary investigation (due to push probe refusal). Therefore, the field crew made a determination to collect confirmation samples at the greater depths based on determination of contamination using the physical methods (visual and olfactory) and results of Petroflag ® analyses.

Site personnel collected confirmation samples directly from the backhoe bucket after directing the operator where to excavate the sample. Discrete soil samples were collected from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals. There were no significant detections of VOCs or SVOCs from the site. Confirmation sample results for TPH DRO and RCRA metals are listed in table ~~1~~32~~2~~. Table 33 lists detected organics from confirmation samples. No relevant data quality exceptions were noted that could mask VOC or SVOC detections. Additionally, site personnel collected an equipment blank using Type II water poured over the sample bowls following decontamination. No contaminants of concern were detected that would indicate the sampling equipment would contaminate subsequent samples. All

confirmation sample laboratory results are included in appendix C.

TABLE ~~13~~22. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS GRAN JEAN SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0213-CF-001-20.0 Base sample near south wall at 20 ft	<50	<0.250	3.44	199	0.690	11.7	<0.040	<1.00	<2.00
0213-CF-101-20.0 duplicate of -001	<50	<0.250	3.37	110	0.722	12.6	<0.040	<1.00	<2.00
0213-CF-002-15.0 South side wall sample at 15 ft	<50	<0.250	<2	63.5	0.316	2.63	<0.040	<1.00	<2.00
0213-CF-003-15.0 East side wall sample at 15 ft	<50	<0.250	<2	112	0.220	2.80	<0.040	<1.00	<2.00
0213-CF-004-15.0 West side wall sample at 15 ft	<50	<0.250	<2	39.8	0.267	2.05	<0.040	<1.00	<2.00
0213-CF-005-15.0 North side wall sample at 15 ft	<50	<0.250	<2	57.4	0.317	2.68	<0.040	1.00	<2.00
0213-CF-006-20.0 Base sample near north wall at 20 ft	<50	<0.250	3.46	151	0.589	12.3	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

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Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. Metals are not expected to be associated with diesel fuel, however, WSMR analyzed for RCRA metals to determine their concentrations at the site. TPH DRO was not detected in the confirmation samples at a reporting limit of 50 mg/kg. No VOCs or SVOCs were detected in any confirmation samples from the EC-50 excavation with the exception of bis (2-ethylhexyl)phthalate. Bis(2-ethylhexyl)phthalate was detected at a highest concentration of 0.511 mg/kg in one confirmation sample. This detection is likely a laboratory artifact and not the result of contamination from the site. The NMED SSL for bis(2ethylhexyl)phthalate (June 2006) is 347 mg/kg.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site.

TABLE 33. LABORATORY ORGANIC DETECTIONS GRAN JEAN SITE.

Sample ID	Test	Method	Units	Parameter	Result	SS
0213-CF-006-20.0	Semivolatiles	S 8270C	mg/Kg	bis(2-ethylhexyl)phthalate	0.511	347

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3.11 NE-50 Site (SWMU 214)

3.11.1 Preliminary Investigation (BAE Systems, 2003)

The AST survey identified surface stains beneath the location of a former AST at the NE-50 site (SWMU 214; CCWS 39). Site personnel identified a small stained area during the preliminary investigation (photograph 53). Based on examination of cores from the direct push probe, portions of the NE-50 site

appear to have a layer of gravel fill up to one-foot thick overlying fine to medium-grained sands with some silt and clay. The clay content increases with depth, and predominantly clay soils were encountered at 6 ft bgs in one boring. The geoprobe encountered repeated refusals before target depths were reached, resulting in a maximum depth of exploration of 8 ft bgs. Approximate depth to ground water at this site is unknown. ~~An estimated depth to ground water at this site is 30 ft bgs based on wells at Denver Site (Denver MW-01 to MW-04 located to the west).~~

WSMR completed 4 soil borings ~~were made~~ at this site using the direct push geoprobe. Concentrations of DRO were quantified as high as 11,000 mg/kg in samples from the first boring (soil boring NE-50-SB-01), presumed to be made at the point of origin of the release. Samples taken from this borehole all had DRO levels above the NMED residential TPH screening guideline of 520 mg/kg for diesel fuel, and the highest concentration was detected in the maximum depth explored (7.5 ft bgs).

PHOTOGRAPH 53. FORMER LOCATION OF AST, NE-50 SITE.
Photograph taken looking east.

Extent of Contamination from the Preliminary Investigation

The NE-50 site has one former AST location that was underlain with soils having diesel contamination above NMED TPH Screening Guidelines. Figure 22 is a plan view map of the site showing locations of borings from the preliminary investigation. A dashed line surrounds the original estimated horizontal extent of contamination based on the preliminary investigation. WSMR originally estimated that approximately 55 cubic yards of contaminated soil was beneath the NE-50 site. Actual excavation dimensions are shown superimposed over the original estimate on figure 22. Soil borings with DRO concentrations from the preliminary investigation are shown on figure 23. Table 34 lists detected analytes from the preliminary investigation. The full extent of contamination was not determined during the preliminary investigation. Further site characterization through soil sampling (with the exception of confirmation samples) was not completed. The determination of furthest extent of contamination and remediation was accomplished through excavation and soil removal (Section 3.11.2).

TABLE 34. PRELIMINARY INVESTIGATION DETECTED RESULTS NE-50 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units
NE50-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F
NE50-01-SD-01DL	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	1800	D	mg/Kg
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Diesel Range Organics (C12-C24)	2200	D	mg/Kg
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Oil Range Organics (C24-C40)	16000	D	mg/Kg
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	2-Methylnaphthalene	130	J	µg/Kg
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Fluorene	84	J	µg/Kg
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Phenanthrene	93	J	µg/Kg
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Pyrene	91	J	µg/Kg
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	Fluorene	90	J	µg/Kg
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	Phenanthrene	91	J	µg/Kg
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	Pyrene	90	J	µg/Kg
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Acenaphthene	190		µg/Kg
NE50-01-SB-001-(1.0-1.5)	SB01	01.0-1.5	5/23/2003	Chrysene	860		µg/Kg
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	2-Methylnaphthalene	150		µg/Kg
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	Acenaphthene	200		µg/Kg
NE50-01-SB-001-(1.0-1.5)RE	SB01	01.0-1.5	5/23/2003	Chrysene	980		µg/Kg
NE50-01-SB-001-(5.0-5.5)DL	SB01	05.0-5.5	5/23/2003	Diesel Range Organics (C12-C24)	5200	D	mg/Kg
NE50-01-SB-001-(5.0-5.5)DL	SB01	05.0-5.5	5/23/2003	2-Methylnaphthalene	32000	D	µg/Kg
NE50-01-SB-001-(5.0-5.5)DL	SB01	05.0-5.5	5/23/2003	Naphthalene	3100	D	µg/Kg
NE50-01-SB-001-(5.0-5.5)DL	SB01	05.0-5.5	5/23/2003	Phenanthrene	6000	D	µg/Kg
NE50-01-SB-001-(5.0-5.5)	SB01	05.0-5.5	5/23/2003	2-Methylnaphthalene	24000	E	µg/Kg
NE50-01-SB-001-(5.0-5.5)	SB01	05.0-5.5	5/23/2003	m,p-Xylene	110	J	µg/Kg
NE50-01-SB-001-(5.0-5.5)	SB01	05.0-5.5	5/23/2003	o-Xylene	140	P	µg/Kg
NE50-01-SB-001-(5.0-5.5)	SB01	05.0-5.5	5/23/2003	Naphthalene	3100		µg/Kg
NE50-01-SB-001-(5.0-5.5)	SB01	05.0-5.5	5/23/2003	Phenanthrene	5200		µg/Kg
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	Diesel Range Organics (C12-C24)	11000	D	mg/Kg
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	2-Methylnaphthalene	74000	D	µg/Kg
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	Acenaphthene	2700	D	µg/Kg
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	Fluorene	2000	D	µg/Kg
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	Naphthalene	12000	D	µg/Kg
NE50-01-SB-001-(7.5-8.0)DL	SB01	07.5-8.0	5/23/2003	Phenanthrene	11000	D	µg/Kg
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	2-Methylnaphthalene	49000	E	µg/Kg
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	Naphthalene	13000	E	µg/Kg
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	Pyrene	130	J	µg/Kg
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	Acenaphthene	2100		µg/Kg
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	Fluorene	1100		µg/Kg
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	m,p-Xylene	140		µg/Kg
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	o-Xylene	170		µg/Kg
NE50-01-SB-001-(7.5-8.0)	SB01	07.5-8.0	5/23/2003	Phenanthrene	9100		µg/Kg
NE50-01-SB-002-(4.0-4.5)	SB02	04.0-4.5	5/23/2003	Diesel Range Organics (C12-C24)	51		mg/Kg
NE50-01-SB-003-(4.0-4.5)	SB03	04.0-4.5	5/23/2003	Diesel Range Organics (C12-C24)	19		mg/Kg

J - Estimated Value. Compound detected below reporting limit.
P - The percentage difference between the results of the two columns is > 25%.
U - Not Detected at the Indicated Laboratory Repoting Limit.
> - Greater than indicated temperature.
D or DL - Diluted Sample.
E - Compound was over the calibration range.

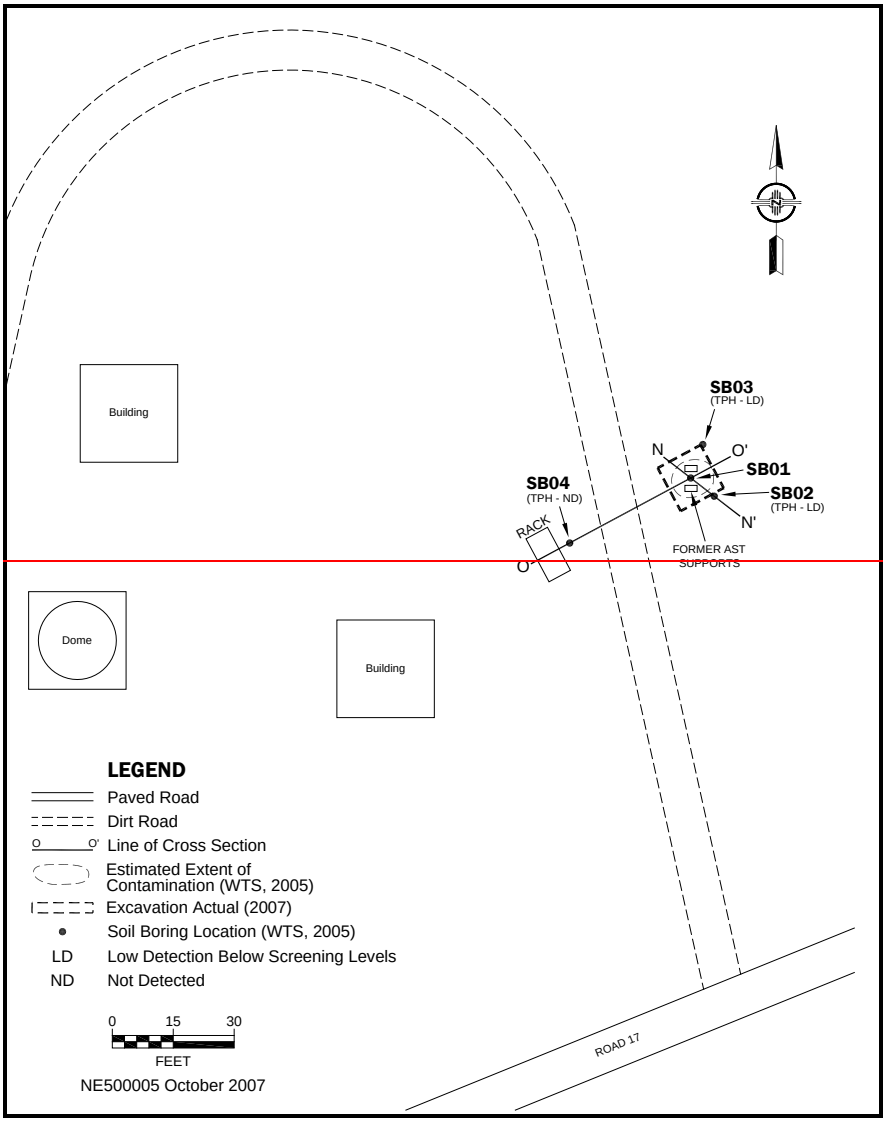

FIGURE 22. PLAN VIEW MAP OF THE NE-50 SITE.

3.11.2 Results of Corrective Action

WSMR completed remediation at NE-50 on 5 July 2007 with backfilling on 10 July 2007. Prior to mobilization of excavation equipment, the anticipated lateral extents of excavation was delineated based on interpolation of results as outlined in the work plan. The approximate final lateral boundaries of excavation relative to other site features are shown in figure 23.

Site personnel used physical observations including visual (staining or wetted soil) and olfactory (hydrocarbon odor) to determine when contamination was still present in soil and the excavation extended accordingly. Excavation at the site was accomplished using a backhoe. Additionally, personnel used a

Petroflag ® Test Kit to screen samples at the edges and base of the excavation. The excavation at the former AST at NE-50 was ultimately extended to a depth of approximately 11 ft bgs. The sides of the excavation measured approximately 12 ft X 12 ft. Six test kits were run using the Petroflag ® system (table 35). Results ranged from 47 mg/kg to 119 mg/kg full range hydrocarbons, which was well below the 520 mg/kg TPH Screening Guideline. Following results of the Petroflag analysis, excavation at the site was halted. Soil staging, transport, backfill, and grading were completed as described in Sections 3.2.2.1 and 3.2.2.2. Photographs 54-56 show the NE-50 excavation.

TABLE 35. PETROFLAG® FIELD SCREENING RESULTS FOR NE-50 SITE.

Field Sample Location	Result Full Range Hydrocarbons (mg/kg)	Excavation Result
Base sample at 11 feet (Base01)	47	No further excavation
Southwest side wall at 6 feet (SW01)	63	No further excavation
Southeast side wall at 8 feet (SE01)	67	No further excavation
Northwest side wall at 5 feet (NW01)	49	No further excavation
Northeast side wall at 6 feet (NE01)	119	No further excavation

PHOTOGRAPH 54. BEGINNING EXCAVATION AT THE NE-50 SITE; SOIL STAGING SHOWN.
Photograph taken looking south-west.

PHOTOGRAPH 55. COMPLETED EXCAVATION AT NE-50 SITE.

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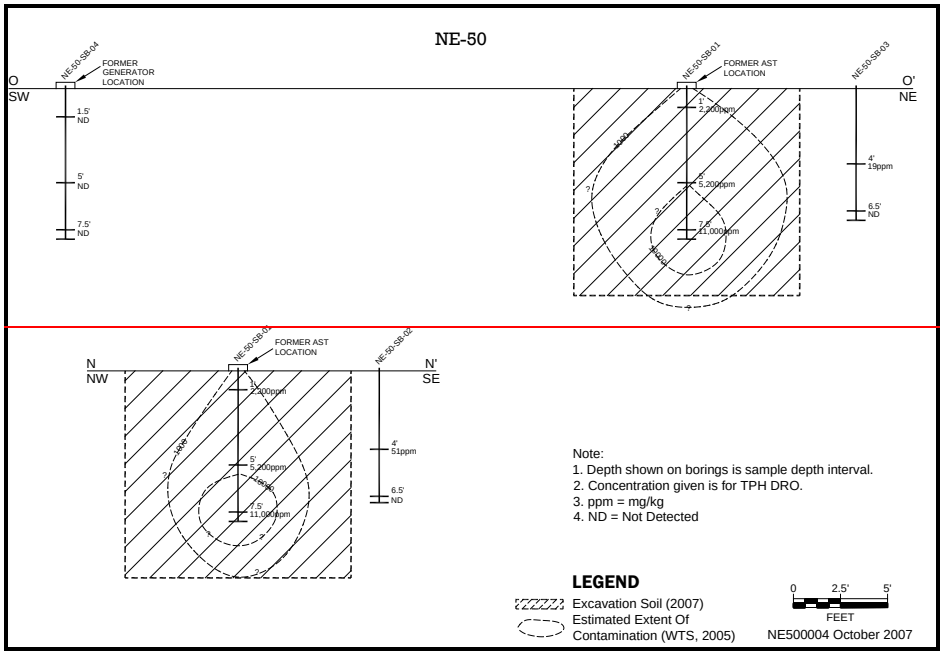

FIGURE 23. APPROXIMATE EXTENT OF EXCAVATIONS AT NE-50 SITE.
The final excavation dimensions were approximately 12 ft X 12 ft X 11 ft. Dashed line in figure denotes estimated extent of contamination from the work plan.

PHOTOGRAPH 56. NE-50 SITE AFTER COMPLETION OF BACKFILL.
Photograph taken looking west.

3.11.3 Final Disposition of Contaminated Soil

Based on manifests for material removed from each site, researchers reported that 80 cubic yards of contaminated soil was removed from NE-50 above the estimate from the preliminary investigation of 55 cubic yards. This material was taken to DP-1051 for further remediation and handling under the requirements and operating procedures of that facility. Waste characterization analysis indicated that the contaminated soil had a TPH DRO concentration of 1,800 mg/kg and was non-ignitable.

3.11.4 Verification of Remediation

To verify that clean-up objectives were met, site personnel collected confirmation soil samples which were analyzed by Trace Analysis prior to excavation backfill. As stipulated in the work plan, samples were collected from the bottom of the excavation, from each sidewall, and one duplicate sample per excavation. Samples taken from the excavation floors were collected as closely to the lateral center of the diesel spill as possible. Samples taken from sidewalls were taken preferentially selecting the location most likely to contain residual diesel contamination in any sidewall based on observation during excavation. Confirmation samples were collected directly from the backhoe bucket after directing the operator where to collect the sample. Site personnel collected discrete soil samples from the bucket into a stainless steel bowl prior to filling the appropriate sample container (4 ounce glass jar). Confirmation samples were analyzed for VOCs, SVOCs, TPH DRO, and total RCRA metals.

~~There were no significant detections of VOCs or SVOCs from the site. All VOC and SVOC results were either non-detect (below laboratory reporting limits) or well below November 2005 NMED Soil Screening Levels.~~ Confirmation sample results for TPH DRO and RCRA metals are listed in table ~~13~~36. Additionally, site personnel collected an equipment blank using Type II water poured over the sample bowls following decontamination and analyzed. No contaminants of concern were detected that would indicate the sampling equipment would contaminate subsequent samples. All confirmation sample laboratory results are included in appendix C.

TABLE ~~13~~36. LABORATORY TPH DRO AND RCRA METALS CONFIRMATION SAMPLE RESULTS NE-50 SITE.

Sample ID / Location	TPH DRO mg/kg	Total Ag mg/kg	Total As mg/kg	Total Ba mg/kg	Total Cd mg/kg	Total Cr mg/kg	Total Hg mg/kg	Total Pb mg/kg	Total Se mg/kg
Method	*8015B Mod*	*6010B*	*6010B*	*6010B*	*6010B*	*6010B*	*7471A*	*6010B*	*6010B*
NMED Soil Screening Level (Residential)	*520**	*391*	*3.9*	*5,450*	*74.1*	*234*	*23*	*400*	*391*
0214-CF-001-8.0 South~~E~~east side wall sample at 8 ft	<50	<0.250	<2	88.7	0.499	7.25	<0.040	<1.00	<2.00
0214-CF-002-5.0 North~~W~~west side wall sample at 5 ft	<50	<0.250	2.62	67.3	0.464	7.15	<0.040	<1.00	<2.00
0214-CF-003-6.0 Southwest side wall sample at 6 ft	<50	<0.250	2.59	86.1	0.457	8.71	<0.040	<1.00	<2.00
0214-CF-004-6.0 Northeast side wall sample at 6 ft	<50	<0.250	<2	64.1	0.417	6.58	<0.040	<1.00	<2.00
0214-CF-005-11.0 Base sample at 11 ft	<50	<0.250	<2	34.7	0.827	6.33	<0.040	<1.00	<2.00
0214-CF-105-11.0 Duplicate of -005	<50	<0.250	<2	43.9	0.467	3.86	<0.040	<1.00	<2.00

< Less than the indicated laboratory reporting limit. * NMED TPH Screening Guideline (residential).

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Results of chemical analysis of confirmation samples indicate no contaminants were detected exceeding NMED Residential Soil Screening Levels. Metals are not expected to be associated with diesel fuel, however, WSMR analyzed for RCRA metals to determine their concentrations at the site. Neither TPH

DRO nor VOCs or SVOCs were detected at their respective laboratory reporting limits in any confirmation samples collected. No relevant data quality exceptions were noted that could mask VOC or SVOC detections.

Results of confirmation sampling indicate that the majority of contamination was removed from the site and that no contaminants of concern related to diesel fuel are still present on site above levels of regulatory concern.

4.0 POL SITES NOT REQUIRING CORRECTIVE ACTION

4.1 RAM Site (SWMU 201)

The AST survey identified a surface stain beneath the location of an active AST at the Ram site (SWMU 201; CCWS 42). Analysis of a sample during the AST survey, taken at 1.5 ft bgs at this stain, quantified both DRO and ORO at 150 mg/kg. The tank had been removed at the time of the preliminary investigation, but a small stain was located near a concrete pad sloping toward the building at the site (photograph 57). Two soil borings were made at the site of the former AST during the preliminary investigation (soil borings RAM-SB-01 and RAM-SB-02) (figures 24 and 25). No DRO was detected above reporting limits of 11 mg/kg in any of the samples taken during the drilling investigation. One surface sample at the presumed point of release had a DRO level of 16 mg/kg (Ram-01-SD-01). Appendix F contains laboratory results from the preliminary investigation. Table 37 lists detected analytes from the preliminary investigation.

TABLE 37. PRELIMINARY INVESTIGATION DETECTED RESULTS RAM SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
RAM0-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	69,600
RAM0-01-SD-01	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	16		mg/Kg	520

> - Greater than indicated temperature.

Results of the AST survey show that a potential release, below NMED TPH Screening Guidelines, may have occurred at the RAM site, however, results of the preliminary investigation show no contamination present.~~Results of the preliminary investigation indicate that a release at the RAM site has not occurred.~~ Because the AST potentially serving as a future point of release has been removed from the site, no corrective action is required.

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PHOTOGRAPH 57.
FORMER LOCATION OF AST, RAM SITE.

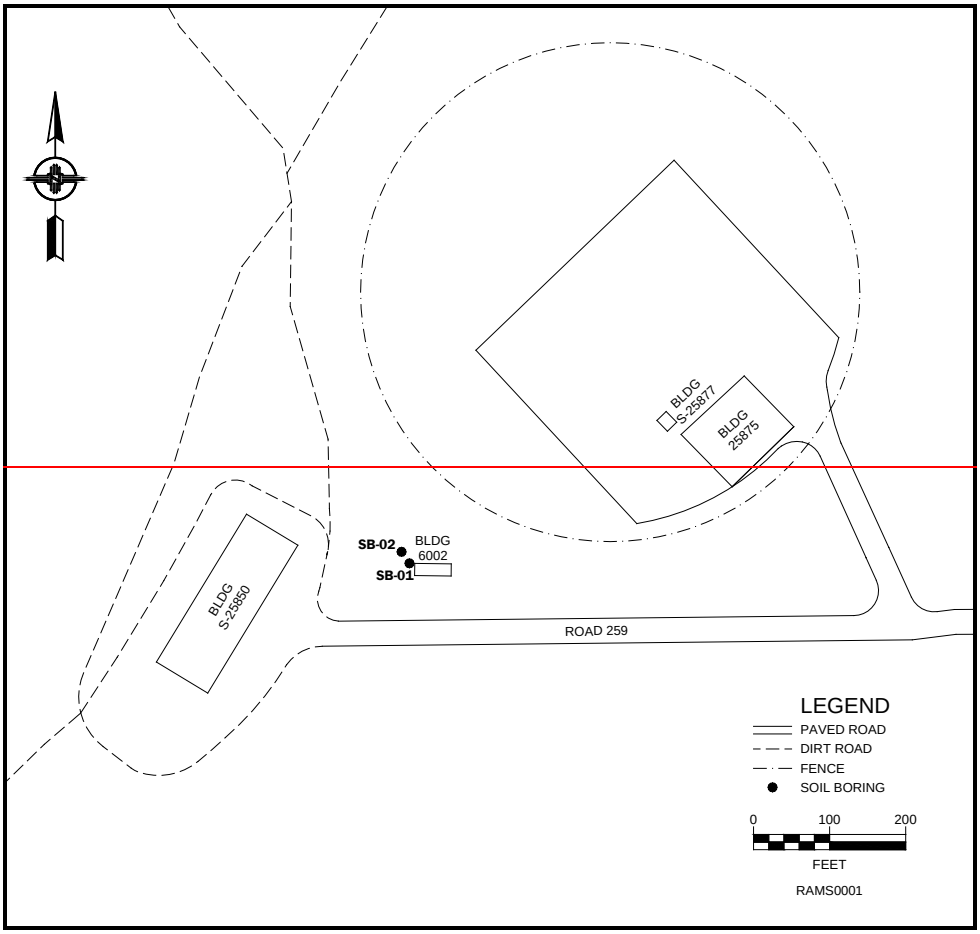

FIGURE 24. PLAN VIEW MAP OF THE RAM SITE.

FIGURE 25. RAM SITE CROSS-SECTION SHOWING SAMPLE CONCENTRATIONS.

4.2 Dead Horse Site (SWMU 202)

Eight soil borings (soil borings DHRS-SB-01 through DHRS-SB-08) were completed at the Dead Horse Site (SWMU 202; CCWS 43) during the preliminary investigation. Laboratory analysis of samples taken at 6 ft bgs in two of the borings quantified DRO as 17 mg/kg, though both borings were seemingly unrelated to the former AST. No DRO was detected above reporting limits of 12 mg/kg in borings made closer to the former AST. ORO was detected a 300 mg/kg in one sample (SB-03) at 5.0 to 5.5 feet bgs. No DRO was detected. Additionally, no TPH was detected in the same boring at the surface and at 3.5 to 4.0 feet bgs indicating no spill at that location. The 300 mg/kg detection is likely and anomaly. Figures ~~25~~ 26 and ~~26~~ 27 show sample locations from the preliminary investigation. No analytical evidence of an environmental release was found at this site. The AST had been removed at the time of the 1998 AST

survey, so it will not serve as a potential future source. Table 38 lists detected analytes from the preliminary investigation.

TABLE 38. PRELIMINARY INVESTIGATION DETECTED RESULTS DEAD HORSE SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
DEAD-01-SD-01	NA	surface	5/8/2003	Flash Point (Setaflash)	200	>	degrees F	69,600
DEAD-01-SB-003-(5.0-5.5)	SB03	05.0-5.5	5/25/2003	Oil Range Organics (C24-C40)	300		mg/Kg	2,500
DEAD-01-SB-006 (6.0-6.5)	SB06	06.0-6.5	5/29/2003	Diesel Range Organics (C12-C24)	17		mg/Kg	520
DEAD-01-SB-007 (5.5-6.0)	SB07	05.5-6.0	5/29/2003	Diesel Range Organics (C12-C24)	17		mg/Kg	520

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Results of the preliminary investigation indicate that a release at the Dead Horse site (photograph 58) has not occurred. Appendix F contains laboratory results from the preliminary investigation. The former AST location is not known. WSMR placed nine borings in the approximate area of the former AST location identified by hand drawn site map from the AST survey and could not locate demonstrable contamination. WSMR asserts that the site has been adequately characterized. Because the AST potentially serving as a future point of release has been removed from the site, no corrective action is required.

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PHOTOGRAPH 58. DEAD HORSE SITE.

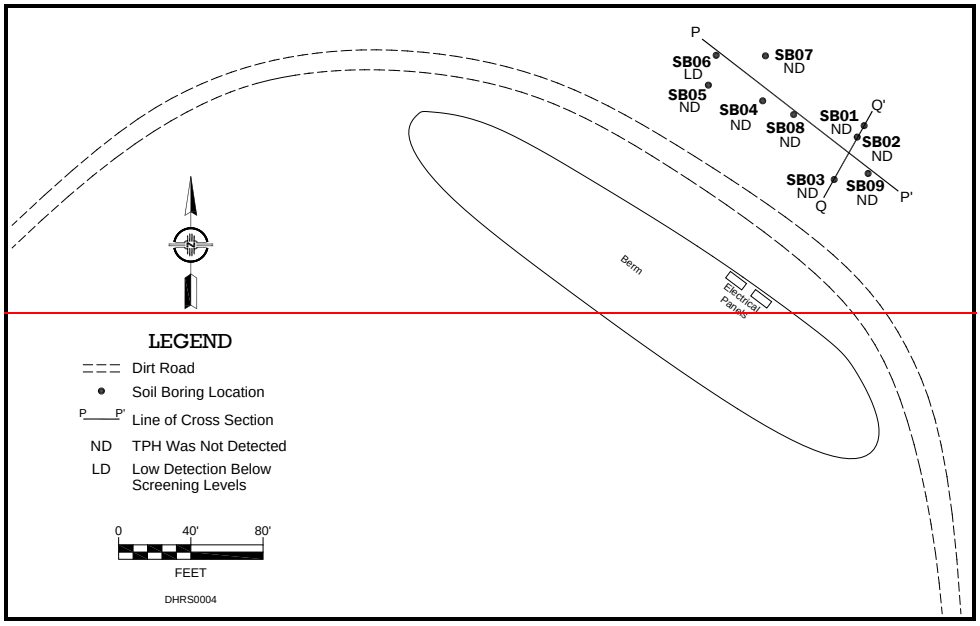

FIGURE ~~25~~26. PLAN VIEW MAP OF THE DEAD HORSE SITE.

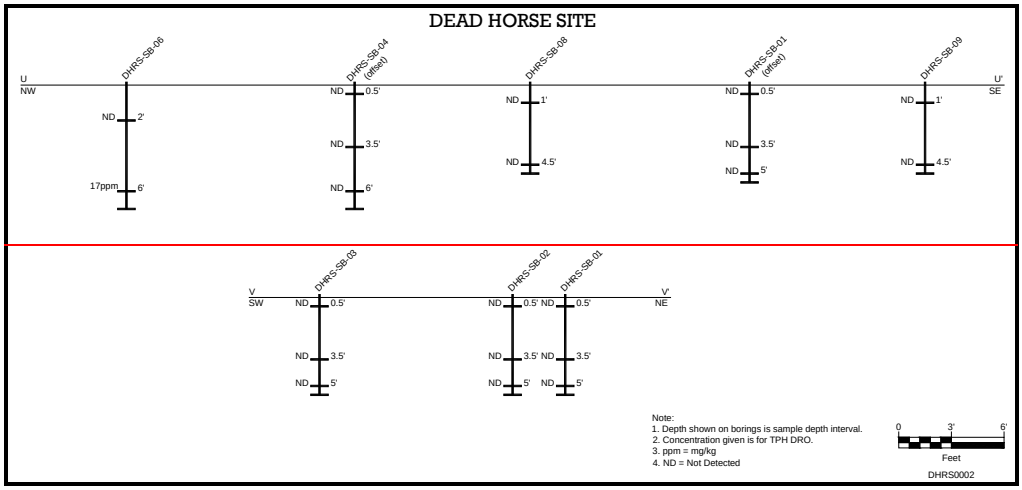

FIGURE ~~26~~27. DEAD HORSE SITE CROSS-SECTIONS SHOWING SAMPLE CONCENTRATIONS.

4.3 Minnow Site (SWMU 210)

The AST survey identified surface stains beneath an inactive AST and associated equipment rack at the Minnow site (SWMU 210; CCWS 36) (photograph 59). Six soil borings (soil borings MNNW-SB-01 through MNNW-SB-06) were made at this site during the preliminary investigation. Only low levels of DRO were detected at the site, and neither at the borings made nearest to the presumed point of release.

DRO was detected at a highest concentration of 170 mg/kg in a sample taken at 6.5 ft bgs from a boring made approximately 30 feet south of the former AST. No samples exceeded the NMED TPH Screening Guidelines for residential exposure. Figures ~~27~~ 28 and ~~28~~ 29 show sample locations from the preliminary investigation. Appendix F contains laboratory results from the preliminary investigation. No significant contamination was identified at the Minnow site and the potential source identified in the AST survey has since been removed. Table 39 lists detected analytes from the preliminary investigation.

TABLE 39. PRELIMINARY INVESTIGATION DETECTED RESULTS MINNOW SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED
MNNW-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	NE
MNNW-01-SD-01	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	60		mg/Kg	520
MNNW-01-SD-01	NA	surface	5/7/2003	Oil Range Organics (C24-C40)	80		mg/Kg	2,500
MNNW-01-SB-001-(1.5-2.0)	SB01	01.5-2.0	5/25/2003	Diesel Range Organics (C12-C24)	13		mg/Kg	520
MNNW-01-SB-004-(6.0-6.5)	SB04	06.0-6.5	5/25/2003	Diesel Range Organics (C12-C24)	170		mg/Kg	520
MNNW-01-SB-004-(6.5-7.0)	SB04	06.5-7.0	5/25/2003	Diesel Range Organics (C12-C24)	100		mg/Kg	520
MNNW-01-SB-005-(6.5-7.0)	SB05	06.5-7.0	5/25/2003	Oil Range Organics (C24-C40)	190		mg/Kg	2,500

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PHOTOGRAPH 59. FORMER LOCATION OF AST AND EQUIPMENT RACK, MINNOW SITE.

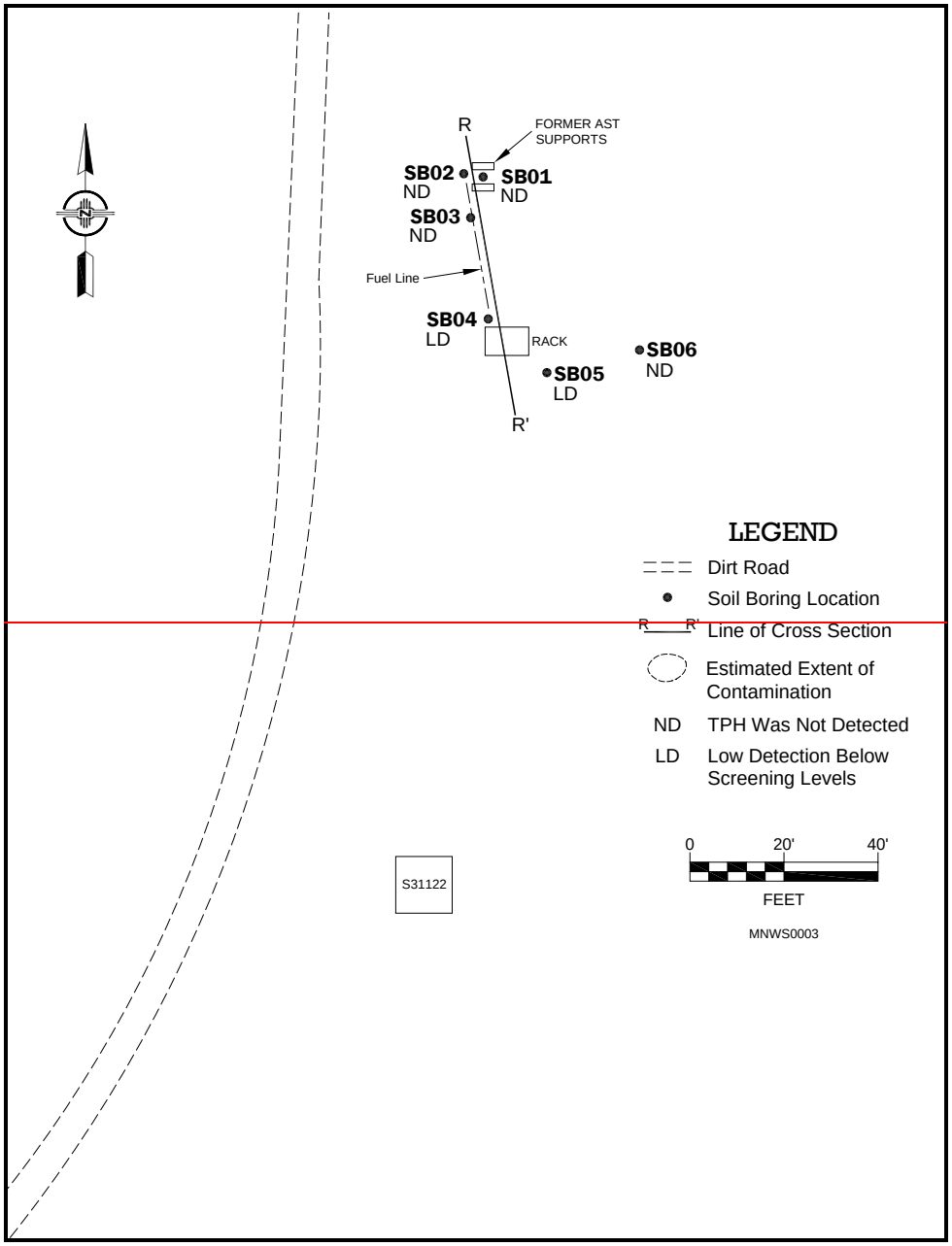

FIGURE ~~27~~28. PLAN VIEW MAP OF THE MINNOW SITE.

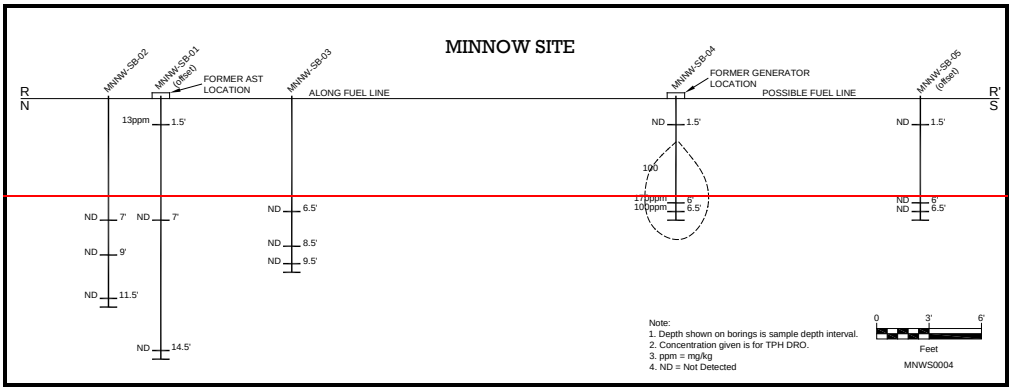

FIGURE ~~28~~29. MINNOW SITE CROSS-SECTION SHOWING SAMPLE CONCENTRATIONS.

4.4 NW-70 Site (SWMU 212)

The AST survey identified a surface stain beneath the location of a former AST at the NW-70 site (SWMU 212; CCWS 53) (photograph 60). During the preliminary investigation, two soil borings were made at the site of the AST identified in the survey and another two soil borings were made at the location of another AST at the site. DRO was not detected above reporting limits of 11 mg/kg in any of the samples taken during the drilling investigation. A surface sample collected at the presumed point of release had a DRO result of 69 mg/kg. Figures ~~29~~ 30 and ~~30~~ 31 show sample locations from the preliminary investigation. Appendix F contains laboratory results from the preliminary investigation. Table 40 lists detected analytes from the preliminary investigation.

TABLE 40. PRELIMINARY INVESTIGATION DETECTED RESULTS NW-70 SITE.

Sample ID	Soil Boring	Depth (ft)	Sample Date	Analyte	Result	Result Flag	Units	NMED SSL
NW70-01-SD-01	NA	surface	5/7/2003	Flash Point (Setaflash)	200	>	degrees F	69,600
NW70-01-SD-01	NA	surface	5/7/2003	Diesel Range Organics (C12-C24)	69		mg/Kg	520

> - Greater than indicated temperature.

No analytical indications of an environmental release were found at the NW-70 site. Because the ASTs potentially serving as a future point of release have also been removed from the site, no corrective action is recommended.

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PHOTOGRAPH 60. FORMER LOCATION OF AST, NW-70 SITE.

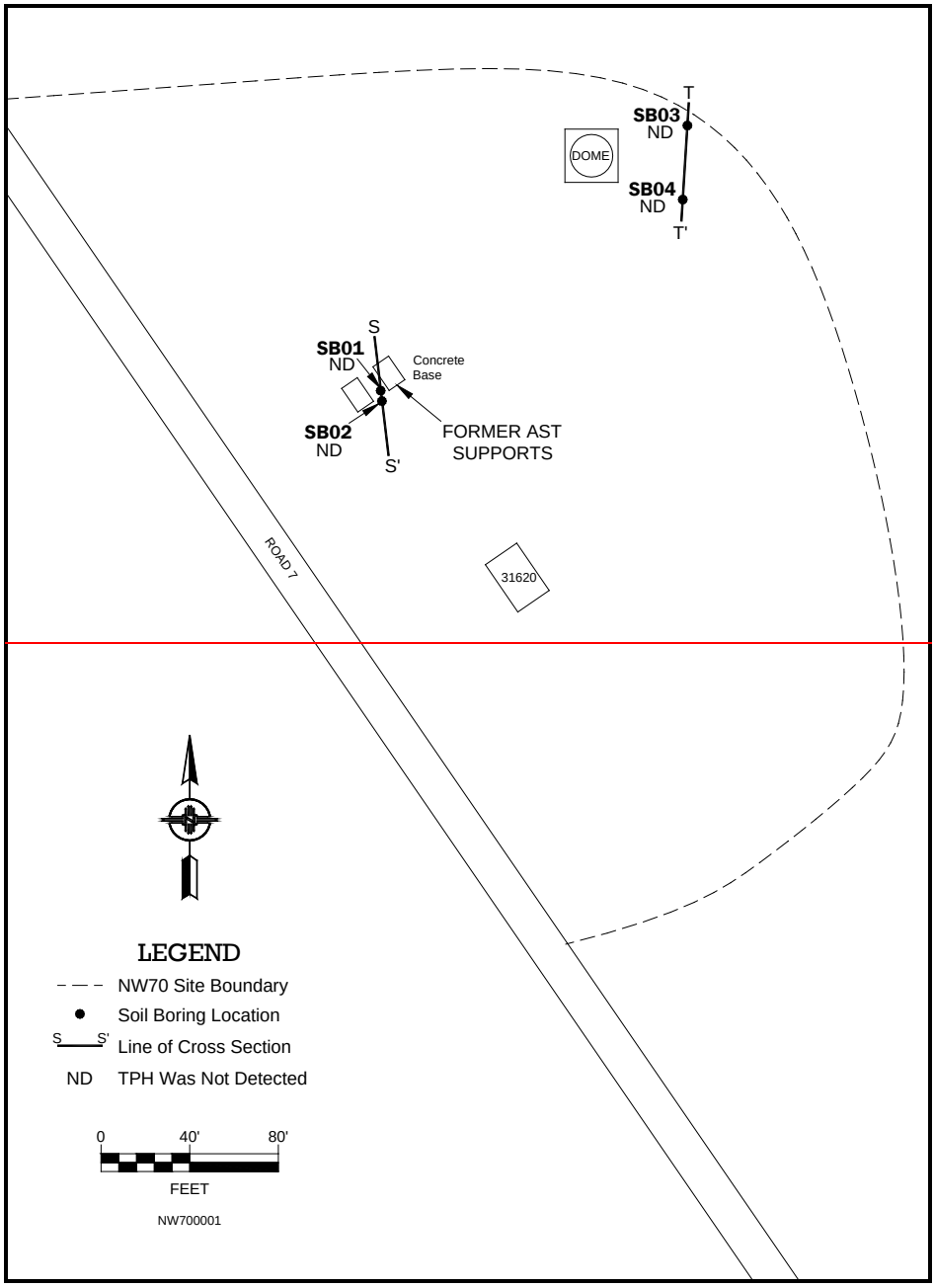

FIGURE ~~29~~30. PLAN VIEW MAP OF THE NW-70 SITE.

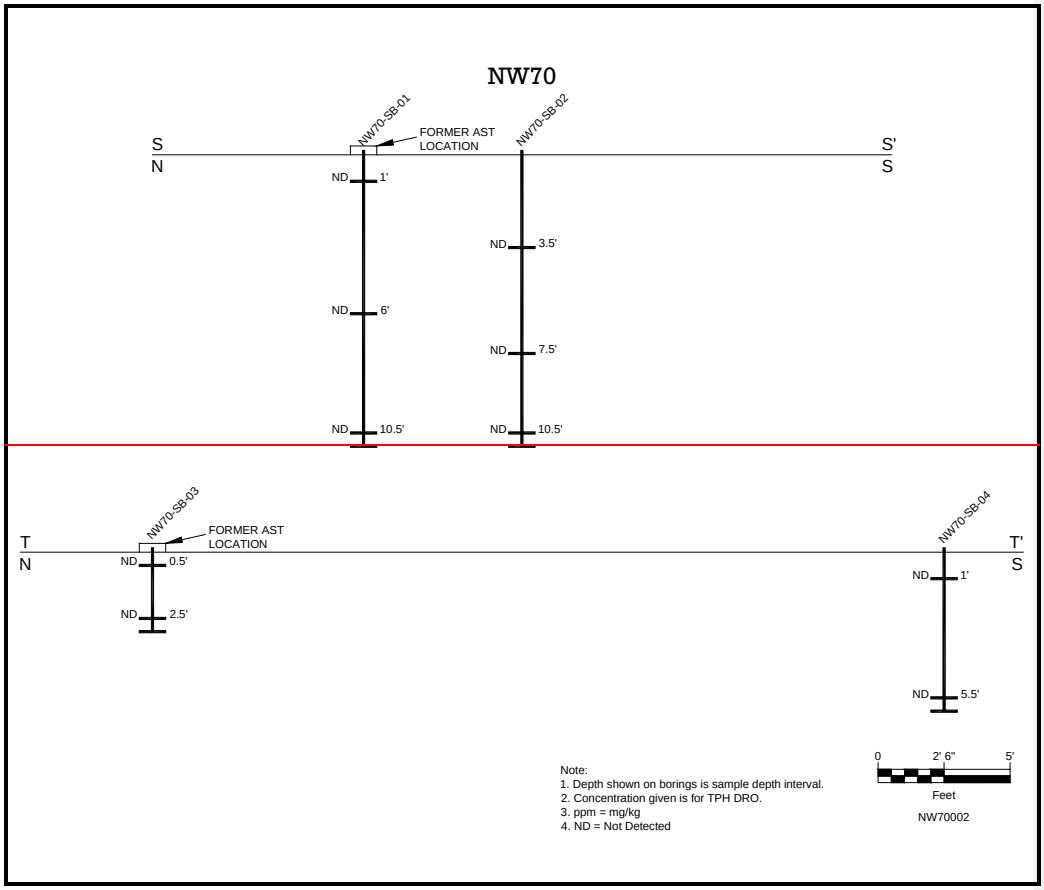

FIGURE ~~30~~31. NW-70 SITE CROSS-SECTIONS SHOWING SAMPLE CONCENTRATIONS.

5.0 NO FURTHER ACTION PROPOSAL

5.1 Rationale

Personnel have ~~has~~ removed the majority of diesel-contaminated soil resulting from the AST and associated piping at the Cowan, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch, Atom, and Denver sites. Confirmation samples taken from excavation sidewalls and bases have demonstrated that no soil contaminated above the clean-up goal of 520 mg/kg TPH DRO remains at the sites. This clean-up goal is based on the November 2005 NMED TPH Screening Guideline for an unknown oil under the most conservative exposure scenario (residential) and is protective of human health. No VOCs or SVOCs of concern were detected. All VOC and SVOC results were either non-detect (below laboratory reporting limits) or well below November 2005 NMED Soil Screening Levels. WSMR has removed contaminated soil to proper disposal at an offsite permitted facility and replaced the sites with clean backfill material. Contaminated material and contaminant sources have been removed from the sites and do not pose a risk to potential receptors.

5.2 Criterion

The criterion applied to this site is **NFA Criterion 5** as described by the NMED:

The SWMU has been characterized [and] remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.

6.0 CONCLUSION

Researchers determined during a preliminary investigation conducted in May 2003 that WSMR sites; Cowan, EC-50, NE-50, Gran Jean, Harriett, Hardin Ranch, and Atom had diesel contamination above NMED TPH Screening Guidelines for the residential exposure scenario. As a proactive approach, WSMR conducted a ACA at each site which entailed excavation of contaminated soil above November 2005 NMED TPH Screening Guidelines and disposed of those soils at a permitted disposal facility off-site. Results of confirmation samples collected at the base and sidewall of each excavation indicate the bulk of diesel contamination has been removed and that no NMED Residential Soil Screening Levels were exceeded by remaining materials. Additionally, WSMR conducted continued excavation at Denver Site (SWMU 166). Crews removed and disposed of remaining contaminated soil from Denver Site. WSMR asserts that contaminated material and contaminant sources have been removed from these sites and they do not pose a risk to potential receptors. Based on results of this ACA, WSMR asserts that these sites should be eligible for No Further Action. Table 14 summarizes results of this ACA.

TABLE 14. SUMMARY OF ACA.

SWMU	CCWS	Site Name	Estimated Required Excavation (cubic yards)	Actual Excavation (cubic yards)	Confirmation Results	NFA Proposal
166	N/A	Denver Site	400	660	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 166 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
199	27	Hardin Ranch-01	120	220	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMUs 199-200 have been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
200	27	Hardin Ranch-02				
201	42	Ram Site	No Excavation Required	No Excavation Required	Sample results from the preliminary investigation indicate no contamination on site above NMED TPH Screening Guidelines or Residential Soil Screening Levels.	SWMU 201 has been characterized in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
202	43	Dead Horse Site	No Excavation Required	No Excavation Required	Sample results from the preliminary investigation indicate no contamination on site above NMED TPH Screening Guidelines or Residential Soil Screening Levels.	SWMU 202 has been characterized in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
203	29	ORC Commo Site	30	80	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 203 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
204	30	Harriett Site	110	92	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 204 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
205	31	SE-70 Site	80	200	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 205 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
206	32	Atom-01 Site	No Excavation Required	No Excavation Required	Sample results from the preliminary investigation indicate no contamination on site above NMED TPH Screening Guidelines or Residential Soil Screening Levels.	SWMU 206 has been characterized in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.

TABLE 14. SUMMARY OF ACA.

SWMU	CCWS	Site Name	Estimated Required Excavation (cubic yards)	Actual Excavation (cubic yards)	Confirmation Results	NFA Proposal
207	32	Atom-02 Site	110	600	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 207 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
208	34	SE-50 Site	60	160	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 208 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
209	35	EC-50 Site	280	880	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 209 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
210	36	Minnow Site	No Excavation Required	No Excavation Required	Sample results from the preliminary investigation indicate no contamination on site above NMED TPH Screening Guidelines or Residential Soil Screening Levels.	SWMU 210 has been characterized in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
211	37	Cowan Site	55	80	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 211 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
212	53	NW-70	No Excavation Required	No Excavation Required	Sample results from the preliminary investigation indicate no contamination on site above NMED TPH Screening Guidelines or Residential Soil Screening Levels.	SWMU 212 has been characterized in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
213	38	Gran Jean Site	510	820	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 213 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.
214	39	NE-50 Site	55	80	Confirmation sample results are below levels of regulatory concern for the NMED TPH Screening Guidelines and NMED Residential Soil Screening Levels.	SWMU 214 has been remediated in accordance with current applicable State or Federal regulations, and the available data indicate that contaminants pose an acceptable level of risk under current and projected future land use.

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ATTACHMENT 1

Table 1D. RFI Data Denver Site (Detects)

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Arsenic	1		mg/Kg	3.59
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Barium	56.5		mg/Kg	15,600
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	3/7/2002	bis(2-Ethylhexyl)phthalate	2800	B	µg/Kg	2.80E+05
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Cadmium	0.1	B	mg/Kg	77.9
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Chromium	3.7		mg/Kg	280*
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Lead	3		mg/Kg	400
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	3/6/2002	Methylene chloride	2	BJ	µg/Kg	1.99E+05
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	3/7/2002	Pentachlorophenol	330	J	µg/Kg	2.07E+04
31010-SB17-(0.0-0.5)	SB17	0.0-0.5	4/4/2002	Selenium	0.54	B	mg/Kg	391
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	3/6/2002	Acetone	12	J	µg/Kg	6.75E+07
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	4/4/2002	Arsenic	0.59	B	mg/Kg	3.59
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	4/4/2002	Barium	39.6		mg/Kg	15,600
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	3/7/2002	bis(2-Ethylhexyl)phthalate	390	BJ	µg/Kg	2.80E+05
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	4/4/2002	Cadmium	0.05	B	mg/Kg	77.9
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	4/4/2002	Chromium	2		mg/Kg	280*
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	4/4/2002	Lead	1.4		mg/Kg	400
31010-SB17-(4.0-6.0)	SB17	04.0-6.0	3/6/2002	Methylene chloride	3	BJ	µg/Kg	1.99E+05
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Arsenic	0.97		mg/Kg	3.59
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Barium	87.8		mg/Kg	15,600
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	3/7/2002	bis(2-Ethylhexyl)phthalate	370	BJ	µg/Kg	2.80E+05
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Cadmium	0.07	B	mg/Kg	77.9
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Chromium	4.7		mg/Kg	280*
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Lead	3.1		mg/Kg	400
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	3/6/2002	Methylene chloride	2	BJ	µg/Kg	1.99E+05
31010-SB17-(9.0-11.0)	SB17	09.0-11.0	4/4/2002	Selenium	0.35	B	mg/Kg	391
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	4/4/2002	Arsenic	2.2		mg/Kg	3.59
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	4/4/2002	Barium	92.1		mg/Kg	15,600
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	4/4/2002	Chromium	13.9		mg/Kg	280*
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	3/7/2002	Di-n-butylphthalate	100	J	µg/Kg	6.11E+06
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	4/4/2002	Lead	8.4		mg/Kg	400
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	3/6/2002	Methylene chloride	3	BJ	µg/Kg	1.99E+05
31010-SB17-(14.0-16.0)	SB17	14.0-16.0	4/4/2002	Selenium	0.74	B	mg/Kg	391
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	4/4/2002	Arsenic	1.3		mg/Kg	3.59

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	4/4/2002	Barium	81.3		mg/Kg	15,600
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	3/7/2002	bis(2-Ethylhexyl)phthalate	92	BJ	µg/Kg	2.80E+05
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	4/4/2002	Cadmium	0.23	B	mg/Kg	77.9
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	4/4/2002	Chromium	11.4		mg/Kg	280*
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	4/4/2002	Lead	6.3		mg/Kg	400
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	3/12/2002	Mercury	0.04	B	mg/Kg	7.71
31010-SB17-(19.0-21.0)	SB17	19.0-21.0	3/6/2002	Methylene chloride	5	B	µg/Kg	1.99E+05
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	3/7/2002	Acetone	12	J	µg/Kg	6.75E+07
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Arsenic	0.61	B	mg/Kg	3.59
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Barium	84.3		mg/Kg	15,600
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Cadmium	0.17	B	mg/Kg	77.9
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Chromium	4.9		mg/Kg	280*
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Lead	3.5		mg/Kg	400
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	3/12/2002	Mercury	0.05	B	mg/Kg	7.71
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	3/7/2002	Methylene chloride	5		µg/Kg	1.99E+05
31010-SB17-(24.0-26.0)	SB17	24.0-26.0	4/4/2002	Selenium	0.88	B	mg/Kg	391
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Arsenic	0.79	B	mg/Kg	3.59
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Barium	46.6		mg/Kg	15,600
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	bis(2-Ethylhexyl)phthalate	91	BJ	µg/Kg	2.80E+05
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Cadmium	0.1	B	mg/Kg	77.9
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Chromium	2.9		mg/Kg	280*
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	Chrysene	230	J	µg/Kg	4.81E+05
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/11/2002	Diesel (C12-C24)	13000	D	mg/Kg	520**
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	Fluoranthene	470		µg/Kg	2.29E+06
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Lead	3		mg/Kg	400
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/12/2002	Mercury	0.04	B	mg/Kg	7.71
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	Methylene chloride	72	B	µg/Kg	1.99E+05
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	Phenanthrene	1900		µg/Kg	1.83E+06
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	3/8/2002	Pyrene	830		µg/Kg	1.72E+06
31010-SB18-(0.0-0.5)	SB18	0.0-0.5	4/4/2002	Selenium	0.37	B	mg/Kg	391
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	2-Methylnaphthalene	7900	E	µg/Kg	NE
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	2-Methylnaphthalene	8900	D	µg/Kg	NE
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Acenaphthene	3900		µg/Kg	3.44E+06
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Arsenic	0.64	B	mg/Kg	3.59

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Barium	37.1		mg/Kg	15,600
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Benzo[a]anthracene	320	J	µg/Kg	4,810
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Benzo[a]anthracene	320	JD	µg/Kg	4,810
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	bis(2-Ethylhexyl)phthalate	460	B	µg/Kg	2.80E+05
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	bis(2-Ethylhexyl)phthalate	480	JBD	µg/Kg	2.80E+05
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Cadmium	0.07	B	mg/Kg	77.9
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Chromium	2		mg/Kg	280*
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Chrysene	260	J	µg/Kg	4.81E+05
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Chrysene	280	JD	µg/Kg	4.81E+05
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Dibenzofuran	2300		µg/Kg	NE
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Dibenzofuran	2700	D	µg/Kg	NE
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/11/2002	Diesel (C12-C24)	28000	D	mg/Kg	520**
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Fluoranthene	780		µg/Kg	2.29E+06
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Fluoranthene	870	D	µg/Kg	2.29E+06
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Fluorene	4500		µg/Kg	2.29E+06
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Lead	1.4		mg/Kg	400
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/12/2002	Mercury	0.02	B	mg/Kg	7.71
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/8/2002	Methylene chloride	51	B	µg/Kg	1.99E+05
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Naphthalene	1200		µg/Kg	4.50E+04
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Naphthalene	1100	D	µg/Kg	4.50E+04
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Phenanthrene	8800	E	µg/Kg	1.83E+06
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Phenanthrene	12000	D	µg/Kg	1.83E+06
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	3/7/2002	Pyrene	920		µg/Kg	1.72E+06
31010-SB18-(4.0-6.0)DL	SB18	04.0-6.0	3/8/2002	Pyrene	1300	D	µg/Kg	1.72E+06
31010-SB18-(4.0-6.0)	SB18	04.0-6.0	4/4/2002	Selenium	0.32	B	mg/Kg	391
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Arsenic	0.91	B	mg/Kg	3.59
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Barium	91.6		mg/Kg	15,600
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	3/7/2002	bis(2-Ethylhexyl)phthalate	200	BJ	µg/Kg	2.80E+05
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Cadmium	0.08	B	mg/Kg	77.9
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Chromium	4.8		mg/Kg	280*
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Lead	3.4		mg/Kg	400
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	3/12/2002	Mercury	0.03	B	mg/Kg	7.71
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	3/7/2002	Methylene chloride	2	J	µg/Kg	1.99E+05
31010-SB18-(9.0-11.0)	SB18	09.0-11.0	4/4/2002	Selenium	0.44	B	mg/Kg	391
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Arsenic	2.3		mg/Kg	3.59

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Barium	145		mg/Kg	15,600
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	3/7/2002	bis(2-Ethylhexyl)phthalate	270	BJ	µg/Kg	2.80E+05
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Cadmium	0.19	B	mg/Kg	77.9
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Chromium	14.8		mg/Kg	280*
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Lead	8.9		mg/Kg	400
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	3/12/2002	Mercury	0.03	B	mg/Kg	7.71
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	3/7/2002	Methylene chloride	7		µg/Kg	1.99E+05
31010-SB18-(14.0-16.0)	SB18	14.0-16.0	4/4/2002	Selenium	0.56	B	mg/Kg	391
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Arsenic	0.9	B	mg/Kg	3.59
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Barium	66.1		mg/Kg	15,600
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	3/7/2002	bis(2-Ethylhexyl)phthalate	210	BJ	µg/Kg	2.80E+05
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Cadmium	0.18	B	mg/Kg	77.9
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Chromium	7.7		mg/Kg	280*
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Lead	4.1		mg/Kg	400
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	3/12/2002	Mercury	0.02	B	mg/Kg	7.71
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	3/7/2002	Methylene chloride	5		µg/Kg	1.99E+05
31010-SB18-(19.0-21.0)	SB18	19.0-21.0	4/4/2002	Selenium	0.39	B	mg/Kg	391
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	3/7/2002	Acetone	12	J	µg/Kg	6.75E+07
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/4/2002	Arsenic	0.56	B	mg/Kg	3.59
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/4/2002	Barium	76.4		mg/Kg	15,600
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	3/7/2002	bis(2-Ethylhexyl)phthalate	100	BJ	µg/Kg	2.80E+05
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/4/2002	Cadmium	0.24	B	mg/Kg	77.9
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/4/2002	Chromium	3.5		mg/Kg	280*
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	3/7/2002	Di-n-butylphthalate	120	J	µg/Kg	6.11E+06
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/4/2002	Lead	2.4		mg/Kg	400
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	3/12/2002	Mercury	0.03	B	mg/Kg	7.71
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	3/7/2002	Methylene chloride	6		µg/Kg	1.99E+05
31010-SB18-(24.0-26.0)	SB18	24.0-26.0	4/9/2002	Selenium	1.3		mg/Kg	391
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Arsenic	1.6		mg/Kg	3.59
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Barium	99.4		mg/Kg	15,600
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	3/7/2002	bis(2-Ethylhexyl)phthalate	230	BJ	µg/Kg	2.80E+05
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Cadmium	0.18	B	mg/Kg	77.9

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Chromium	8.4		mg/Kg	280*
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Lead	5.4		mg/Kg	400
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	3/7/2002	Methylene chloride	3	J	µg/Kg	1.99E+05
31010-SB19-(0.0-0.5)	SB19	0.0-0.5	4/4/2002	Selenium	0.32	B	mg/Kg	391
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	4/4/2002	Barium	29.4		mg/Kg	15,600
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	3/8/2002	bis(2-Ethylhexyl)phthalate	250	BJ	µg/Kg	2.80E+05
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	4/4/2002	Chromium	1.5		mg/Kg	280*
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	4/4/2002	Lead	1.2		mg/Kg	400
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	3/7/2002	Methylene chloride	4	J	µg/Kg	1.99E+05
31010-SB19-(4.0-6.0)	SB19	04.0-6.0	4/4/2002	Selenium	0.4	B	mg/Kg	391
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	4/5/2002	Barium	70.9		mg/Kg	15,600
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	3/8/2002	Benzoic acid	440	J	µg/Kg	2.40E+08
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	3/8/2002	bis(2-Ethylhexyl)phthalate	180	BJ	µg/Kg	2.80E+05
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	4/5/2002	Cadmium	0.08	B	mg/Kg	77.9
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	4/5/2002	Chromium	3.8		mg/Kg	280*
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	4/5/2002	Lead	2.4		mg/Kg	400
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(9.0-11.0)	SB19	09.0-11.0	3/7/2002	Methylene chloride	3	J	µg/Kg	1.99E+05
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	3/7/2002	Acetone	11	J	µg/Kg	6.75E+07
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/9/2002	Arsenic	1.7		mg/Kg	3.59
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/5/2002	Barium	84.8		mg/Kg	15,600
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/5/2002	Cadmium	0.11	B	mg/Kg	77.9
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/5/2002	Chromium	12.9		mg/Kg	280*
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/5/2002	Lead	7.9		mg/Kg	400
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	3/7/2002	Methylene chloride	3	J	µg/Kg	1.99E+05
31010-SB19-(14.0-16.0)	SB19	14.0-16.0	4/5/2002	Selenium	0.62	B	mg/Kg	391
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Arsenic	0.77	B	mg/Kg	3.59
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Barium	49.3		mg/Kg	15,600
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	3/8/2002	bis(2-Ethylhexyl)phthalate	230	BJ	µg/Kg	2.80E+05
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Cadmium	0.15	B	mg/Kg	77.9

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Chromium	6.1		mg/Kg	280*
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Lead	3.6		mg/Kg	400
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	3/7/2002	Methylene chloride	4		µg/Kg	1.99E+05
31010-SB19-(19.0-21.0)	SB19	19.0-21.0	4/5/2002	Selenium	0.77	B	mg/Kg	391
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	4/5/2002	Barium	70		mg/Kg	15,600
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	4/5/2002	Cadmium	0.26	B	mg/Kg	77.9
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	4/5/2002	Chromium	3.4		mg/Kg	280*
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	3/8/2002	Di-n-butylphthalate	130	J	µg/Kg	6.11E+06
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	4/5/2002	Lead	2.2		mg/Kg	400
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	3/12/2002	Mercury	0.01	B	mg/Kg	7.71
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	3/7/2002	Methylene chloride	4	J	µg/Kg	1.99E+05
31010-SB19-(24.0-26.0)	SB19	24.0-26.0	4/5/2002	Selenium	0.48	B	mg/Kg	391
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Arsenic	0.97		mg/Kg	3.59
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Barium	52.6		mg/Kg	15,600
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Cadmium	0.18	B	mg/Kg	77.9
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Chromium	3.6		mg/Kg	280*
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Lead	5.6		mg/Kg	400
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	3/5/2002	Methylene chloride	3	J	µg/Kg	1.99E+05
31010-SB20-(0.0-0.5)	SB20	0.0-0.5	4/4/2002	Selenium	0.44	B	mg/Kg	391
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	3/5/2002	Acetone	10	J	µg/Kg	6.75E+07
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	4/4/2002	Barium	42.4		mg/Kg	15,600
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	3/7/2002	bis(2-Ethylhexyl)phthalate	210	J	µg/Kg	2.80E+05
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	4/4/2002	Cadmium	0.06	B	mg/Kg	77.9
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	4/4/2002	Chromium	2		mg/Kg	280*
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	4/4/2002	Lead	1.5		mg/Kg	400
31010-SB20-(4.0-6.0)	SB20	04.0-6.0	3/5/2002	Methylene chloride	3	J	µg/Kg	1.99E+05
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	4/4/2002	Arsenic	0.58	B	mg/Kg	3.59
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	4/4/2002	Barium	87.7		mg/Kg	15,600
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	3/7/2002	Benzoic acid	390	J	µg/Kg	2.40E+08
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	3/7/2002	bis(2-Ethylhexyl)phthalate	89	J	µg/Kg	2.80E+05
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	4/4/2002	Cadmium	0.05	B	mg/Kg	77.9
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	4/4/2002	Chromium	4.4		mg/Kg	280*

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	4/4/2002	Lead	3		mg/Kg	400
31010-SB20-(9.0-11.0)	SB20	09.0-11.0	3/5/2002	Methylene chloride	2	J	µg/Kg	1.99E+05
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	3/5/2002	Acetone	58		µg/Kg	6.75E+07
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	4/4/2002	Arsenic	1.7		mg/Kg	3.59
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	4/4/2002	Barium	146		mg/Kg	15,600
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	3/7/2002	bis(2-Ethylhexyl)phthalate	130	J	µg/Kg	2.80E+05
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	4/4/2002	Chromium	15.4		mg/Kg	280*
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	4/4/2002	Lead	9.1		mg/Kg	400
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	3/5/2002	Methylene chloride	4		µg/Kg	1.99E+05
31010-SB20-(14.0-16.0)	SB20	14.0-16.0	4/4/2002	Selenium	0.84	B	mg/Kg	391
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	3/5/2002	Acetone	86		µg/Kg	6.75E+07
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	4/4/2002	Arsenic	0.71	B	mg/Kg	3.59
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	4/4/2002	Barium	65.1		mg/Kg	15,600
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	4/4/2002	Cadmium	0.1	B	mg/Kg	77.9
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	4/4/2002	Chromium	7.4		mg/Kg	280*
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	4/4/2002	Lead	4.2		mg/Kg	400
31010-SB20-(19.0-21.0)	SB20	19.0-21.0	3/5/2002	Methylene chloride	4		µg/Kg	1.99E+05
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	3/5/2002	Acetone	17		µg/Kg	6.75E+07
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	4/4/2002	Arsenic	0.56	B	mg/Kg	3.59
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	4/4/2002	Barium	107		mg/Kg	15,600
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	4/4/2002	Cadmium	0.19	B	mg/Kg	77.9
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	4/4/2002	Chromium	4.1		mg/Kg	280*
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	4/4/2002	Lead	3.1		mg/Kg	400
31010-SB20-(24.0-26.0)	SB20	24.0-26.0	3/5/2002	Methylene chloride	4		µg/Kg	1.99E+05
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	4/4/2002	Arsenic	0.76	B	mg/Kg	3.59
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	4/4/2002	Barium	36.8		mg/Kg	15,600
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	4/4/2002	Cadmium	0.08	B	mg/Kg	77.9
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	4/4/2002	Chromium	2		mg/Kg	280*
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	4/4/2002	Lead	1.3		mg/Kg	400
31010-SB21-(0.0-0.5)	SB21	0.0-0.5	3/5/2002	Methylene chloride	5		µg/Kg	1.99E+05
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	4/4/2002	Arsenic	0.61	B	mg/Kg	3.59
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	4/4/2002	Barium	37.3		mg/Kg	15,600

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	3/8/2002	bis(2-Ethylhexyl)phthalate	260	J	µg/Kg	2.80E+05
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	4/4/2002	Chromium	1.8		mg/Kg	280*
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	4/4/2002	Lead	1.2		mg/Kg	400
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	3/6/2002	Methylene chloride	3	BJ	µg/Kg	1.99E+05
31010-SB21-(4.0-6.0)	SB21	04.0-6.0	4/4/2002	Selenium	0.35	B	mg/Kg	391
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	4/4/2002	Arsenic	1		mg/Kg	3.59
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	4/4/2002	Barium	98.3		mg/Kg	15,600
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	3/8/2002	bis(2-Ethylhexyl)phthalate	170	J	µg/Kg	2.80E+05
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	4/4/2002	Chromium	5.2		mg/Kg	280*
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	4/4/2002	Lead	3.8		mg/Kg	400
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	3/6/2002	Methylene chloride	3	BJ	µg/Kg	1.99E+05
31010-SB21-(9.0-11.0)	SB21	09.0-11.0	4/4/2002	Selenium	0.59	B	mg/Kg	391
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	4/4/2002	Arsenic	1.9		mg/Kg	3.59
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	4/4/2002	Barium	117		mg/Kg	15,600
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	3/8/2002	bis(2-Ethylhexyl)phthalate	90	J	µg/Kg	2.80E+05
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	4/4/2002	Chromium	13.6		mg/Kg	280*
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	4/4/2002	Lead	7.8		mg/Kg	400
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	3/6/2002	Methylene chloride	4	JB	µg/Kg	1.99E+05
31010-SB21-(14.0-16.0)	SB21	14.0-16.0	4/4/2002	Selenium	0.45	B	mg/Kg	391
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	4/4/2002	Arsenic	0.53	B	mg/Kg	3.59
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	4/4/2002	Barium	56.4		mg/Kg	15,600
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	4/4/2002	Cadmium	0.14	B	mg/Kg	77.9
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	4/4/2002	Chromium	5.8		mg/Kg	280*
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	4/4/2002	Lead	3.1		mg/Kg	400
31010-SB21-(19.0-21.0)	SB21	19.0-21.0	3/6/2002	Methylene chloride	4	B	µg/Kg	1.99E+05
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	4/4/2002	Arsenic	0.48	B	mg/Kg	3.59
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	4/4/2002	Barium	108		mg/Kg	15,600
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	3/8/2002	bis(2-Ethylhexyl)phthalate	100	J	µg/Kg	2.80E+05
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	4/4/2002	Cadmium	0.16	B	mg/Kg	77.9
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	4/4/2002	Chromium	3.7		mg/Kg	280*
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	4/4/2002	Lead	2.5		mg/Kg	400
31010-SB21-(24.0-26.0)	SB21	24.0-26.0	3/6/2002	Methylene chloride	4	B	µg/Kg	1.99E+05
31010-SB21-(24.0-	SB21	24.0-26.0	4/4/2002	Selenium	0.32	B	mg/Kg	391

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
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31010-SB22-(0.0-0.5)	SB22	0.0-0.5	3/12/2002	Acetone	27		µg/Kg	6.75E+07
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Arsenic	0.65	B	mg/Kg	3.59
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Barium	34.3	N	mg/Kg	15,600
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Cadmium	0.1	B	mg/Kg	77.9
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Chromium	1.7		mg/Kg	280*
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Lead	1.7		mg/Kg	400
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	3/12/2002	Methylene chloride	5	B	µg/Kg	1.99E+05
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	3/11/2002	Pentachlorophenol	300	J	µg/Kg	2.07E+04
31010-SB22-(0.0-0.5)	SB22	0.0-0.5	4/3/2002	Selenium	0.44	B	mg/Kg	391
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Arsenic	1.2		mg/Kg	3.59
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Barium	22.8	N	mg/Kg	15,600
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Cadmium	0.07	B	mg/Kg	77.9
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Chromium	1.3		mg/Kg	280*
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Lead	1.1		mg/Kg	400
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	3/12/2002	Methylene chloride	6	B	µg/Kg	1.99E+05
31010-SB22-(4.0-6.0)	SB22	04.0-6.0	4/3/2002	Selenium	0.38	B	mg/Kg	391
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	3/12/2002	Acetone	16		µg/Kg	6.75E+07
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	4/3/2002	Barium	16	BN	mg/Kg	15,600
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	4/3/2002	Cadmium	0.07	B	mg/Kg	77.9
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	4/3/2002	Chromium	0.61	B	mg/Kg	280*
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	3/12/2002	Diesel (C12-C24)	87		mg/Kg	520**
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	4/3/2002	Lead	0.44	B	mg/Kg	400
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	3/12/2002	Methylene chloride	6	B	µg/Kg	1.99E+05
31010-SB22-(9.0-11.0)	SB22	09.0-11.0	4/3/2002	Selenium	0.42	B	mg/Kg	391
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	4/3/2002	Arsenic	0.76	B	mg/Kg	3.59
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	4/3/2002	Barium	112	N	mg/Kg	15,600
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	4/3/2002	Chromium	6.6		mg/Kg	280*
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	4/3/2002	Lead	3.9		mg/Kg	400
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	3/13/2002	Methylene chloride	7	B	µg/Kg	1.99E+05
31010-SB22-(14.0-16.0)	SB22	14.0-16.0	4/3/2002	Selenium	0.57	B	mg/Kg	391
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	4/3/2002	Arsenic	0.85	B	mg/Kg	3.59
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	4/3/2002	Barium	98.9	N	mg/Kg	15,600
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	4/3/2002	Cadmium	0.15	B	mg/Kg	77.9

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	4/3/2002	Chromium	6.9		mg/Kg	280*
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	4/3/2002	Lead	4.3		mg/Kg	400
31010-SB22-(19.0-21.0)	SB22	19.0-21.0	3/13/2002	Methylene chloride	7	B	µg/Kg	1.99E+05
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	1,2,4-Trimethylbenzene	210		µg/Kg	67000*
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	1,3,5-Trimethylbenzene	54		µg/Kg	47,000*
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/11/2002	2-Methylnaphthalene	2800		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	4-Isopropyltoluene	26		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	4/4/2002	Arsenic	0.94	B	mg/Kg	3.59
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	4/4/2002	Barium	80.1	N	mg/Kg	15,600
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	4/4/2002	Cadmium	0.13	B	mg/Kg	77.9
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	4/4/2002	Chromium	5.9		mg/Kg	280*
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/11/2002	Dibenzofuran	520		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Diesel (C12-C24)	1800	D	mg/Kg	520**
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Ethylbenzene	32		µg/Kg	6.96E+04
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/11/2002	Fluorene	590		µg/Kg	2.29E+06
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Isopropylbenzene	18		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	4/4/2002	Lead	3.4		mg/Kg	400
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Methylene chloride	12	B	µg/Kg	1.99E+05
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/11/2002	Naphthalene	480		µg/Kg	4.50E+04
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	n-Propylbenzene	36		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/11/2002	Phenanthrene	1200		µg/Kg	1.83E+06
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	sec-Butylbenzene	30		µg/Kg	NE
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Toluene	15		µg/Kg	5.57E+06
31010-SB22-(24.0-26.0)	SB22	24.0-26.0	3/13/2002	Xylene (total)	130		µg/Kg	1.09E+06
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Arsenic	0.7	B	mg/Kg	3.59
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Barium	34.1	N	mg/Kg	15,600
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Cadmium	0.09	B	mg/Kg	77.9
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Chromium	1.9		mg/Kg	280*
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Lead	1.2		mg/Kg	400
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	3/13/2002	Mercury	0.07		mg/Kg	7.71
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	3/13/2002	Methylene chloride	21	B	µg/Kg	1.99E+05
31010-SB23-(0.0-0.5)	SB23	0.0-0.5	4/4/2002	Selenium	0.25	B	mg/Kg	391

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Arsenic	0.47	B	mg/Kg	3.59
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Barium	18.1	BN	mg/Kg	15,600
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Cadmium	0.07	B	mg/Kg	77.9
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Chromium	0.73	B	mg/Kg	280*
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Lead	0.44	B	mg/Kg	400
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	3/13/2002	Methylene chloride	8	B	µg/Kg	1.99E+05
31010-SB23-(4.0-6.0)	SB23	04.0-6.0	4/4/2002	Selenium	0.28	B	mg/Kg	391
31010-SB23-(9.0-11.0)	SB23	09.0-11.0	4/4/2002	Barium	12	BN	mg/Kg	15,600
31010-SB23-(9.0-11.0)	SB23	09.0-11.0	4/4/2002	Chromium	0.34	B	mg/Kg	280*
31010-SB23-(9.0-11.0)	SB23	09.0-11.0	4/4/2002	Lead	0.31	B	mg/Kg	400
31010-SB23-(9.0-11.0)	SB23	09.0-11.0	3/13/2002	Methylene chloride	6	B	µg/Kg	1.99E+05
31010-SB23-(9.0-11.0)	SB23	09.0-11.0	4/4/2002	Selenium	0.36	B	mg/Kg	391
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	4/4/2002	Arsenic	1.5		mg/Kg	3.59
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	4/4/2002	Barium	107	N	mg/Kg	15,600
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	4/4/2002	Chromium	8.1		mg/Kg	280*
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	4/4/2002	Lead	5.1		mg/Kg	400
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	3/13/2002	Methylene chloride	20	B	µg/Kg	1.99E+05
31010-SB23-(14.0-16.0)	SB23	14.0-16.0	4/4/2002	Selenium	1.7		mg/Kg	391
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Arsenic	1.3		mg/Kg	3.59
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Barium	109	N	mg/Kg	15,600
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Cadmium	0.21	B	mg/Kg	77.9
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Chromium	9.8		mg/Kg	280*
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Lead	5.3		mg/Kg	400
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	3/13/2002	Methylene chloride	8	B	µg/Kg	1.99E+05
31010-SB23-(19.0-21.0)	SB23	19.0-21.0	4/4/2002	Selenium	0.54	B	mg/Kg	391
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	1,2,4-Trimethylbenzene	770		µg/Kg	67000*
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	1,3,5-Trimethylbenzene	180		µg/Kg	47,000*
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	2-Methylnaphthalene	6100		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	4-Isopropyltoluene	90		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	Acenaphthene	390	J	µg/Kg	3.44E+06
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Arsenic	0.97	B	mg/Kg	3.59
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Barium	65	N	mg/Kg	15,600

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Cadmium	0.13	B	mg/Kg	77.9
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Chromium	8.8		mg/Kg	280*
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	Dibenzofuran	1000		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	Diesel (C12-C24)	2100	D	mg/Kg	520**
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	Ethylbenzene	66		µg/Kg	6.96E+04
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	Fluorene	1100		µg/Kg	2.29E+06
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	Isopropylbenzene	50		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Lead	4.7		mg/Kg	400
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	Methylene chloride	25	BJ	µg/Kg	1.99E+05
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	Naphthalene	1400		µg/Kg	4.50E+04
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	n-Propylbenzene	120		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/15/2002	Phenanthrene	2400		µg/Kg	1.83E+06
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	sec-Butylbenzene	100		µg/Kg	NE
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	4/4/2002	Selenium	0.45	B	mg/Kg	391
31010-SB23-(24.0-26.0)	SB23	24.0-26.0	3/13/2002	Xylene (total)	320		µg/Kg	1.09E+06
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Arsenic	0.9	B	mg/Kg	3.59
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Barium	34.9		mg/Kg	15,600
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Cadmium	1.1		mg/Kg	77.9
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Chromium	1.7		mg/Kg	280*
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	3/13/2002	Diesel (C12-C24)	2100	D	mg/Kg	520**
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Lead	2.4		mg/Kg	400
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	3/13/2002	Mercury	0.01	B*	mg/Kg	7.71
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	3/8/2002	Methylene chloride	13	B	µg/Kg	1.99E+05
31010-SB24-(0.0-0.5)	SB24	0.0-0.5	4/5/2002	Selenium	0.58	B	mg/Kg	391
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	1,2,4-Trimethylbenzene	1300		µg/Kg	67000*
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	1,3,5-Trimethylbenzene	710		µg/Kg	47,000*
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	2-Methylnaphthalene	7700	E	µg/Kg	NE
31010-SB24-(4.0-6.0)DL	SB24	04.0-6.0	3/12/2002	2-Methylnaphthalene	7600	D	µg/Kg	NE
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	4-Isopropyltoluene	250		µg/Kg	NE
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	4/5/2002	Barium	15.4	B	mg/Kg	15,600
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	4/5/2002	Cadmium	0.1	B	mg/Kg	77.9
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	4/5/2002	Chromium	0.76	B	mg/Kg	280*
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	Dibenzofuran	1300		µg/Kg	NE

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB24-(4.0-6.0)DL	SB24	04.0-6.0	3/12/2002	Dibenzofuran	1300	D	µg/Kg	NE
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/14/2002	Diesel (C12-C24)	13000	D	mg/Kg	520**
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	Di-n-butylphthalate	260	J	µg/Kg	6.11E+06
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	Ethylbenzene	14	J	µg/Kg	6.96E+04
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	Fluorene	2500		µg/Kg	2.29E+06
31010-SB24-(4.0-6.0)DL	SB24	04.0-6.0	3/12/2002	Fluorene	2800	D	µg/Kg	2.29E+06
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	4/5/2002	Lead	0.67	B	mg/Kg	400
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/13/2002	Mercury	0.09	*	mg/Kg	7.71
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	Methylene chloride	69	B	µg/Kg	1.99E+05
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	Naphthalene	1300		µg/Kg	4.50E+04
31010-SB24-(4.0-6.0)DL	SB24	04.0-6.0	3/12/2002	Naphthalene	1200	D	µg/Kg	4.50E+04
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/11/2002	Phenanthrene	4700		µg/Kg	1.83E+06
31010-SB24-(4.0-6.0)DL	SB24	04.0-6.0	3/12/2002	Phenanthrene	4100	D	µg/Kg	1.83E+06
31010-SB24-(4.0-6.0)	SB24	04.0-6.0	3/8/2002	Xylene (total)	250		µg/Kg	1.09E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	1,2,4-Trimethylbenzene	5500	E	µg/Kg	67000*
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	1,2,4-Trimethylbenzene	8400	D	µg/Kg	67000*
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	1,3,5-Trimethylbenzene	2500		µg/Kg	47,000*
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	1,3,5-Trimethylbenzene	3400	D	µg/Kg	47,000*
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	2-Methylnaphthalene	33000	E	µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/12/2002	2-Methylnaphthalene	21000	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	4-Isopropyltoluene	930		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	4-Isopropyltoluene	2100	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	4/5/2002	Barium	33.1		mg/Kg	15,600
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	bis(2-Ethylhexyl)phthalate	120	J	µg/Kg	2.80E+05
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	4/5/2002	Cadmium	0.14	B	mg/Kg	77.9
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	4/5/2002	Chromium	1.2		mg/Kg	280*
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Chrysene	100	J	µg/Kg	4.81E+05
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Dibenzofuran	3700		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/12/2002	Dibenzofuran	5000	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/14/2002	Diesel (C12-C24)	30000	D	mg/Kg	520**
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	Ethylbenzene	270		µg/Kg	6.96E+04
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	Ethylbenzene	270	JD	µg/Kg	6.96E+04
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Fluoranthene	230	J	µg/Kg	2.29E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Fluorene	7000	E	µg/Kg	2.29E+06
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/12/2002	Fluorene	9300	D	µg/Kg	2.29E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	Isopropylbenzene	340		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	Isopropylbenzene	450	D	µg/Kg	NE

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	4/5/2002	Lead	1.3		mg/Kg	400
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/13/2002	Mercury	0.24	*	mg/Kg	7.71
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	Methylene chloride	70	B	µg/Kg	1.99E+05
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Naphthalene	6400		µg/Kg	4.50E+04
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/12/2002	Naphthalene	3800	JD	µg/Kg	4.50E+04
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	n-Butylbenzene	1900		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	n-Butylbenzene	3500	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	n-Propylbenzene	830		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	n-Propylbenzene	940	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Phenanthrene	9600	E	µg/Kg	1.83E+06
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/12/2002	Phenanthrene	11000	D	µg/Kg	1.83E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/11/2002	Pyrene	190	J	µg/Kg	1.72E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	sec-Butylbenzene	1100		µg/Kg	NE
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	sec-Butylbenzene	2200	D	µg/Kg	NE
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	4/5/2002	Selenium	0.4	B	mg/Kg	391
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	Toluene	120		µg/Kg	5.57E+06
31010-SB24-(9.0-11.0)	SB24	09.0-11.0	3/8/2002	Xylene (total)	2700		µg/Kg	1.09E+06
31010-SB24-(9.0-11.0)DL	SB24	09.0-11.0	3/14/2002	Xylene (total)	2600	D	µg/Kg	1.09E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	1,2,4-Trimethylbenzene	6900	E	µg/Kg	67000*
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	1,2,4-Trimethylbenzene	7800	D	µg/Kg	67000*
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	1,3,5-Trimethylbenzene	2400	E	µg/Kg	47,000*
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	1,3,5-Trimethylbenzene	2100	D	µg/Kg	47,000*
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	2-Methylnaphthalene	20000	E	µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/12/2002	2-Methylnaphthalene	15000	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	4-Isopropyltoluene	700		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	4-Isopropyltoluene	1000	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/9/2002	Arsenic	1.2		mg/Kg	3.59
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/5/2002	Barium	93.2		mg/Kg	15,600
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/5/2002	Cadmium	0.12	B	mg/Kg	77.9
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/5/2002	Chromium	8.7		mg/Kg	280*
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Dibenzofuran	2900		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/12/2002	Dibenzofuran	3900	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/14/2002	Diesel (C12-C24)	18000	D	mg/Kg	520**
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	Ethylbenzene	410		µg/Kg	6.96E+04
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	Ethylbenzene	300	JD	µg/Kg	6.96E+04

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Fluoranthene	160	J	µg/Kg	2.29E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Fluorene	4700		µg/Kg	2.29E+06
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/12/2002	Fluorene	5700	D	µg/Kg	2.29E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	Isopropylbenzene	420		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	Isopropylbenzene	400	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/5/2002	Lead	4.8		mg/Kg	400
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/13/2002	Mercury	0.02	B*	mg/Kg	7.71
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	Methylene chloride	54	B	µg/Kg	1.99E+05
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Naphthalene	3300		µg/Kg	4.50E+04
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/12/2002	Naphthalene	2200	D	µg/Kg	4.50E+04
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	n-Butylbenzene	1200		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	n-Butylbenzene	1300	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	n-Propylbenzene	900		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	n-Propylbenzene	720	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Phenanthrene	8600	E	µg/Kg	1.83E+06
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/12/2002	Phenanthrene	8400	D	µg/Kg	1.83E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/11/2002	Pyrene	310	J	µg/Kg	1.72E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	sec-Butylbenzene	980		µg/Kg	NE
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	sec-Butylbenzene	1300	D	µg/Kg	NE
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	4/5/2002	Selenium	0.45	B	mg/Kg	391
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	Toluene	270		µg/Kg	5.57E+06
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	Toluene	210	JD	µg/Kg	5.57E+06
31010-SB24-(14.0-16.0)	SB24	14.0-16.0	3/8/2002	Xylene (total)	3300		µg/Kg	1.09E+06
31010-SB24-(14.0-16.0)DL	SB24	14.0-16.0	3/14/2002	Xylene (total)	2400	D	µg/Kg	1.09E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	1,2,4-Trimethylbenzene	290		µg/Kg	67000*
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	1,3,5-Trimethylbenzene	330		µg/Kg	47,000*
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	2-Methylnaphthalene	7700	E	µg/Kg	NE
31010-SB24-(19.0-21.0)DL	SB24	19.0-21.0	3/12/2002	2-Methylnaphthalene	9200	D	µg/Kg	NE
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	4-Isopropyltoluene	710		µg/Kg	NE
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/10/2002	Arsenic	1.3		mg/Kg	3.59
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/5/2002	Barium	106		mg/Kg	15,600
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/5/2002	Cadmium	0.3	B	mg/Kg	77.9

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/5/2002	Chromium	11.4		mg/Kg	280*
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Dibenzofuran	1700		µg/Kg	NE
31010-SB24-(19.0-21.0)DL	SB24	19.0-21.0	3/12/2002	Dibenzofuran	1900	D	µg/Kg	NE
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/14/2002	Diesel (C12-C24)	11000	D	mg/Kg	520**
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Ethylbenzene	110		µg/Kg	6.96E+04
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Fluoranthene	100	J	µg/Kg	2.29E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Fluorene	2800		µg/Kg	2.29E+06
31010-SB24-(19.0-21.0)DL	SB24	19.0-21.0	3/12/2002	Fluorene	3500	D	µg/Kg	2.29E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Isopropylbenzene	84		µg/Kg	NE
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/5/2002	Lead	6.9		mg/Kg	400
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/13/2002	Mercury	0.2	*	mg/Kg	7.71
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Methylene chloride	51	B	µg/Kg	1.99E+05
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Naphthalene	2100		µg/Kg	4.50E+04
31010-SB24-(19.0-21.0)DL	SB24	19.0-21.0	3/12/2002	Naphthalene	2500	D	µg/Kg	4.50E+04
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	n-Propylbenzene	220		µg/Kg	NE
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Phenanthrene	3600		µg/Kg	1.83E+06
31010-SB24-(19.0-21.0)DL	SB24	19.0-21.0	3/12/2002	Phenanthrene	3600	D	µg/Kg	1.83E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Pyrene	140	J	µg/Kg	1.72E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	sec-Butylbenzene	810		µg/Kg	NE
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	4/5/2002	Selenium	0.55	B	mg/Kg	391
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Toluene	140		µg/Kg	5.57E+06
31010-SB24-(19.0-21.0)	SB24	19.0-21.0	3/11/2002	Xylene (total)	250		µg/Kg	1.09E+06
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	1,2,4-Trimethylbenzene	2800	E	µg/Kg	67000*
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	1,2,4-Trimethylbenzene	4300	D	µg/Kg	67000*
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	1,3,5-Trimethylbenzene	770		µg/Kg	47,000*
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	1,3,5-Trimethylbenzene	980	D	µg/Kg	47,000*
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	2-Methylnaphthalene	5700		µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	4-Isopropyltoluene	330		µg/Kg	NE
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	4-Isopropyltoluene	550	D	µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	4/10/2002	Arsenic	1.2		mg/Kg	3.59
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	4/5/2002	Barium	75.9		mg/Kg	15,600
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	4/5/2002	Cadmium	0.34	B	mg/Kg	77.9

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	4/5/2002	Chromium	8.1		mg/Kg	280*
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	Dibenzofuran	1100		µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/14/2002	Diesel (C12-C24)	3200	D	mg/Kg	520**
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	Ethylbenzene	620		µg/Kg	6.96E+04
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	Ethylbenzene	720	D	µg/Kg	6.96E+04
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	Fluorene	1200		µg/Kg	2.29E+06
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	Isopropylbenzene	260		µg/Kg	NE
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	Isopropylbenzene	300	JD	µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	4/5/2002	Lead	5.5		mg/Kg	400
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	Methylene chloride	49	B	µg/Kg	1.99E+05
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	Naphthalene	1400		µg/Kg	4.50E+04
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	n-Butylbenzene	850		µg/Kg	NE
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	n-Butylbenzene	1200	D	µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	n-Propylbenzene	550		µg/Kg	NE
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	n-Propylbenzene	660	D	µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	Phenanthrene	2300		µg/Kg	1.83E+06
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/11/2002	Pyrene	160	J	µg/Kg	1.72E+06
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	sec-Butylbenzene	410		µg/Kg	NE
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	sec-Butylbenzene	610	D	µg/Kg	NE
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	Toluene	510		µg/Kg	5.57E+06
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	Toluene	590	D	µg/Kg	5.57E+06
31010-SB24-(24.0-26.0)	SB24	24.0-26.0	3/8/2002	Xylene (total)	2300		µg/Kg	1.09E+06
31010-SB24-(24.0-26.0)DL	SB24	24.0-26.0	3/14/2002	Xylene (total)	2500	D	µg/Kg	1.09E+06
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	4/10/2002	Arsenic	0.67	B	mg/Kg	3.59
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	4/5/2002	Barium	31.7		mg/Kg	15,600
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	3/11/2002	bis(2-Ethylhexyl)phthalate	120	J	µg/Kg	2.80E+05
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	4/5/2002	Cadmium	0.11	B	mg/Kg	77.9
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	4/5/2002	Chromium	2		mg/Kg	280*
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	3/11/2002	Chrysene	94	J	µg/Kg	4.81E+05
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	3/13/2002	Diesel (C12-C24)	3000	D	mg/Kg	520**
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	4/5/2002	Lead	1.5		mg/Kg	400
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	3/8/2002	Methylene chloride	11	B	µg/Kg	1.99E+05
31010-SB25-(0.0-0.5)	SB25	0.0-0.5	3/11/2002	Pyrene	190	J	µg/Kg	1.72E+06

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	1,2,4-Trimethylbenzene	3400	E	µg/Kg	67000*
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	1,2,4-Trimethylbenzene	3700	D	µg/Kg	67000*
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	1,3,5-Trimethylbenzene	1300		µg/Kg	47,000*
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	1,3,5-Trimethylbenzene	1200	D	µg/Kg	47,000*
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	2-Methylnaphthalene	34000	E	µg/Kg	NE
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/12/2002	2-Methylnaphthalene	22000	D	µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	4-Isopropyltoluene	580		µg/Kg	NE
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	4-Isopropyltoluene	810	D	µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Arsenic	0.58	B	mg/Kg	3.59
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Barium	27.2		mg/Kg	15,600
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	bis(2-Ethylhexyl)phthalate	150	J	µg/Kg	2.80E+05
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Cadmium	0.09	B	mg/Kg	77.9
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Chromium	1.5		mg/Kg	280*
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Chrysene	120	J	µg/Kg	4.81E+05
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Dibenzofuran	3500		µg/Kg	NE
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/12/2002	Dibenzofuran	4600	D	µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/14/2002	Diesel (C12-C24)	25000	D	mg/Kg	520**
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Ethylbenzene	110		µg/Kg	6.96E+04
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Fluoranthene	300	J	µg/Kg	2.29E+06
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Fluorene	5600		µg/Kg	2.29E+06
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/12/2002	Fluorene	6100	D	µg/Kg	2.29E+06
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Isopropylbenzene	73		µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Lead	1.4		mg/Kg	400
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Methylene chloride	53	B	µg/Kg	1.99E+05
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Naphthalene	6100		µg/Kg	4.50E+04
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/12/2002	Naphthalene	3100	JD	µg/Kg	4.50E+04
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	n-Butylbenzene	880		µg/Kg	NE
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	n-Butylbenzene	660	D	µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	n-Propylbenzene	150		µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Phenanthrene	13000	E	µg/Kg	1.83E+06
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/12/2002	Phenanthrene	12000	D	µg/Kg	1.83E+06
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Pyrene	280	J	µg/Kg	1.72E+06
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	sec-Butylbenzene	220		µg/Kg	NE
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	sec-Butylbenzene	260	JD	µg/Kg	NE
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	4/5/2002	Selenium	0.34	B	mg/Kg	391
31010-SB25-(4.0-6.0)	SB25	04.0-6.0	3/11/2002	Xylene (total)	520		µg/Kg	1.09E+06
31010-SB25-(4.0-6.0)DL	SB25	04.0-6.0	3/14/2002	Xylene (total)	310	JD	µg/Kg	1.09E+06

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	1,2,3-Trichlorobenzene	87	JD	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	1,2,4-Trimethylbenzene	240		µg/Kg	67000*
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	1,2,4-Trimethylbenzene	210	JD	µg/Kg	67000*
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	1,3,5-Trimethylbenzene	5600	E	µg/Kg	47,000*
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	1,3,5-Trimethylbenzene	5200	D	µg/Kg	47,000*
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	2-Butanone	93	JD	µg/Kg	3.96E+07
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	2-Hexanone	84	JD	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	2-Methylnaphthalene	11000	E	µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/12/2002	2-Methylnaphthalene	12000	D	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	4-Isopropyltoluene	2200		µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	4-Isopropyltoluene	2800	D	µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Acetone	83	JD	µg/Kg	6.75E+07
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	4/5/2002	Barium	58.9		mg/Kg	15,600
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	4/5/2002	Cadmium	0.09	B	mg/Kg	77.9
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	4/5/2002	Chromium	3.3		mg/Kg	280*
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Chrysene	130	J	µg/Kg	4.81E+05
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Dibenzofuran	6000		µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/12/2002	Dibenzofuran	6000	D	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/14/2002	Diesel (C12-C24)	35000	D	mg/Kg	520**
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Ethylbenzene	880		µg/Kg	6.96E+04
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Ethylbenzene	660	D	µg/Kg	6.96E+04
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Fluoranthene	330	J	µg/Kg	2.29E+06
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Fluorene	12000	E	µg/Kg	2.29E+06
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/12/2002	Fluorene	12000	D	µg/Kg	2.29E+06
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Isopropylbenzene	1200		µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Isopropylbenzene	1100	D	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	4/5/2002	Lead	2.2		mg/Kg	400
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Methylene chloride	55	B	µg/Kg	1.99E+05
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Methylene chloride	67	JD	µg/Kg	1.99E+05
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	n-Butylbenzene	4600	E	µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	n-Butylbenzene	5700	D	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	n-Propylbenzene	3500	E	µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	n-Propylbenzene	2300	D	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Phenanthrene	14000	E	µg/Kg	1.83E+06
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/12/2002	Phenanthrene	14000	D	µg/Kg	1.83E+06
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Pyrene	350	J	µg/Kg	1.72E+06

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	sec-Butylbenzene	2900	E	µg/Kg	NE
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	sec-Butylbenzene	3300	D	µg/Kg	NE
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Toluene	180		µg/Kg	5.57E+06
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Toluene	150	JD	µg/Kg	5.57E+06
31010-SB25-(9.0-11.0)	SB25	09.0-11.0	3/11/2002	Xylene (total)	2500		µg/Kg	1.09E+06
31010-SB25-(9.0-11.0)DL	SB25	09.0-11.0	3/14/2002	Xylene (total)	1900	D	µg/Kg	1.09E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	1,2,4-Trimethylbenzene	3700	E	µg/Kg	67000*
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	1,2,4-Trimethylbenzene	4400	D	µg/Kg	67000*
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	1,3,5-Trimethylbenzene	2400		µg/Kg	47,000*
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	1,3,5-Trimethylbenzene	2400	D	µg/Kg	47,000*
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	2-Methylnaphthalene	17000	E	µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/12/2002	2-Methylnaphthalene	17000	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	4-Isopropyltoluene	750		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	4-Isopropyltoluene	1100	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/10/2002	Arsenic	1.7		mg/Kg	3.59
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/5/2002	Barium	124		mg/Kg	15,600
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/5/2002	Cadmium	0.06	B	mg/Kg	77.9
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/5/2002	Chromium	14.8		mg/Kg	280*
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Chrysene	91	J	µg/Kg	4.81E+05
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Dibenzofuran	4200		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/12/2002	Dibenzofuran	5700	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/14/2002	Diesel (C12-C24)	24000	D	mg/Kg	520**
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Ethylbenzene	790		µg/Kg	6.96E+04
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	Ethylbenzene	680	D	µg/Kg	6.96E+04
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Fluoranthene	230	J	µg/Kg	2.29E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Fluorene	5900		µg/Kg	2.29E+06
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/12/2002	Fluorene	8100	D	µg/Kg	2.29E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Isopropylbenzene	640		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	Isopropylbenzene	620	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/5/2002	Lead	8.2		mg/Kg	400
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Methylene chloride	45	B	µg/Kg	1.99E+05
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Naphthalene	3200		µg/Kg	4.50E+04
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/12/2002	Naphthalene	3000	D	µg/Kg	4.50E+04

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	n-Butylbenzene	1500		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	n-Butylbenzene	2000	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	n-Propylbenzene	1300		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	n-Propylbenzene	1100	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Phenanthrene	12000	E	µg/Kg	1.83E+06
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/12/2002	Phenanthrene	12000	D	µg/Kg	1.83E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Pyrene	240	J	µg/Kg	1.72E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	sec-Butylbenzene	1100		µg/Kg	NE
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	sec-Butylbenzene	1500	D	µg/Kg	NE
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	4/5/2002	Selenium	0.95	B	mg/Kg	391
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Toluene	290		µg/Kg	5.57E+06
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	Toluene	260	JD	µg/Kg	5.57E+06
31010-SB25-(14.0-16.0)	SB25	14.0-16.0	3/11/2002	Xylene (total)	3100		µg/Kg	1.09E+06
31010-SB25-(14.0-16.0)DL	SB25	14.0-16.0	3/14/2002	Xylene (total)	2700	D	µg/Kg	1.09E+06
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	1,2,4-Trimethylbenzene	140		µg/Kg	67000*
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	1,3,5-Trimethylbenzene	160		µg/Kg	47,000*
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	2-Methylnaphthalene	3100		µg/Kg	NE
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	4-Isopropyltoluene	230		µg/Kg	NE
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	4/10/2002	Arsenic	0.82	B	mg/Kg	3.59
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	4/5/2002	Barium	63.9		mg/Kg	15,600
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	4/5/2002	Cadmium	0.22	B	mg/Kg	77.9
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	4/5/2002	Chromium	7.2		mg/Kg	280*
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	Dibenzofuran	910		µg/Kg	NE
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/14/2002	Diesel (C12-C24)	5200	D	mg/Kg	520**
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	Ethylbenzene	81		µg/Kg	6.96E+04
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	Fluorene	1200		µg/Kg	2.29E+06
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	Isopropylbenzene	38		µg/Kg	NE
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	4/5/2002	Lead	4.4		mg/Kg	400
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	Methylene chloride	25	BJ	µg/Kg	1.99E+05
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	Naphthalene	870		µg/Kg	4.50E+04
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	n-Propylbenzene	95		µg/Kg	NE
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	Phenanthrene	1500		µg/Kg	1.83E+06

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/11/2002	Pyrene	150	J	µg/Kg	1.72E+06
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	sec-Butylbenzene	240		µg/Kg	NE
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	Toluene	88		µg/Kg	5.57E+06
31010-SB25-(19.0-21.0)	SB25	19.0-21.0	3/13/2002	Xylene (total)	180		µg/Kg	1.09E+06
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	1,2,4-Trimethylbenzene	3100	E	µg/Kg	67000*
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	1,2,4-Trimethylbenzene	3800	D	µg/Kg	67000*
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	1,3,5-Trimethylbenzene	810		µg/Kg	47,000*
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	1,3,5-Trimethylbenzene	760	D	µg/Kg	47,000*
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	2-Methylnaphthalene	7100		µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	4-Isopropyltoluene	340		µg/Kg	NE
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	4-Isopropyltoluene	390	JD	µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Acenaphthene	510		µg/Kg	3.44E+06
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	4/10/2002	Arsenic	1.2		mg/Kg	3.59
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	4/5/2002	Barium	40.5		mg/Kg	15,600
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	4/5/2002	Cadmium	0.24	B	mg/Kg	77.9
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	4/5/2002	Chromium	8.6		mg/Kg	280*
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Dibenzofuran	930		µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/14/2002	Diesel (C12-C24)	3100	D	mg/Kg	520**
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	Ethylbenzene	640		µg/Kg	6.96E+04
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	Ethylbenzene	540	D	µg/Kg	6.96E+04
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Fluorene	1200		µg/Kg	2.29E+06
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	Isopropylbenzene	270		µg/Kg	NE
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	Isopropylbenzene	220	JD	µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	4/5/2002	Lead	5.5		mg/Kg	400
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	Methylene chloride	34	BJ	µg/Kg	1.99E+05
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Naphthalene	1400		µg/Kg	4.50E+04
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	n-Butylbenzene	740		µg/Kg	NE
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	n-Butylbenzene	720	D	µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	n-Propylbenzene	510		µg/Kg	NE
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	n-Propylbenzene	450	D	µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Phenanthrene	2700		µg/Kg	1.83E+06
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/11/2002	Pyrene	210	J	µg/Kg	1.72E+06

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	sec-Butylbenzene	400		µg/Kg	NE
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	sec-Butylbenzene	400	JD	µg/Kg	NE
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	Toluene	640		µg/Kg	5.57E+06
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	Toluene	520	D	µg/Kg	5.57E+06
31010-SB25-(24.0-26.0)	SB25	24.0-26.0	3/12/2002	Xylene (total)	2400		µg/Kg	1.09E+06
31010-SB25-(24.0-26.0)DL	SB25	24.0-26.0	3/14/2002	Xylene (total)	2000	D	µg/Kg	1.09E+06
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/5/2002	Arsenic	0.77	B	mg/Kg	3.59
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/5/2002	Barium	32.1		mg/Kg	15,600
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	3/11/2002	bis(2-Ethylhexyl)phthalate	94	J	µg/Kg	2.80E+05
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/10/2002	Cadmium	0.63		mg/Kg	77.9
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/5/2002	Chromium	2.1		mg/Kg	280*
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	3/13/2002	Diesel (C12-C24)	1700	D	mg/Kg	520**
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/5/2002	Lead	4.1		mg/Kg	400
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	3/13/2002	Mercury	0.01	B*	mg/Kg	7.71
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	3/11/2002	Methylene chloride	6	B	µg/Kg	1.99E+05
31010-SB26-(0.0-0.5)	SB26	0.0-0.5	4/5/2002	Selenium	0.31	B	mg/Kg	391
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	1,2,4-Trimethylbenzene	1500		µg/Kg	67000*
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	1,3,5-Trimethylbenzene	1300		µg/Kg	47,000*
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	2-Methylnaphthalene	19000	E	µg/Kg	NE
31010-SB26-(4.0-6.0)DL	SB26	04.0-6.0	3/12/2002	2-Methylnaphthalene	16000	D	µg/Kg	NE
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	4-Isopropyltoluene	490		µg/Kg	NE
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Arsenic	0.95	B	mg/Kg	3.59
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Barium	14.6	B	mg/Kg	15,600
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	bis(2-Ethylhexyl)phthalate	270	J	µg/Kg	2.80E+05
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Cadmium	0.08	B	mg/Kg	77.9
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Chromium	0.84	B	mg/Kg	280*
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Chrysene	110	J	µg/Kg	4.81E+05
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Dibenzofuran	2000		µg/Kg	NE
31010-SB26-(4.0-6.0)DL	SB26	04.0-6.0	3/12/2002	Dibenzofuran	2400	D	µg/Kg	NE
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/13/2002	Diesel (C12-C24)	27000	D	mg/Kg	520**
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	Ethylbenzene	36	J	µg/Kg	6.96E+04
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Fluoranthene	190	J	µg/Kg	2.29E+06
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Fluorene	3800		µg/Kg	2.29E+06
31010-SB26-(4.0-6.0)DL	SB26	04.0-6.0	3/12/2002	Fluorene	4500	D	µg/Kg	2.29E+06

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Lead	0.84	B	mg/Kg	400
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/13/2002	Mercury	0.01	B*	mg/Kg	7.71
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	Methylene chloride	50	B	µg/Kg	1.99E+05
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Naphthalene	3600		µg/Kg	4.50E+04
31010-SB26-(4.0-6.0)DL	SB26	04.0-6.0	3/12/2002	Naphthalene	2600	D	µg/Kg	4.50E+04
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Phenanthrene	7000		µg/Kg	1.83E+06
31010-SB26-(4.0-6.0)DL	SB26	04.0-6.0	3/12/2002	Phenanthrene	7400	D	µg/Kg	1.83E+06
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/11/2002	Pyrene	150	J	µg/Kg	1.72E+06
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	4/5/2002	Selenium	0.55	B	mg/Kg	391
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	Toluene	27	J	µg/Kg	5.57E+06
31010-SB26-(4.0-6.0)	SB26	04.0-6.0	3/12/2002	Xylene (total)	460		µg/Kg	1.09E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	1,2,3-Trichloropropane	130	JD	µg/Kg	915
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	1,2,4-Trimethylbenzene	4800	E	µg/Kg	67000*
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	1,2,4-Trimethylbenzene	8000	D	µg/Kg	67000*
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	1,3,5-Trimethylbenzene	4100	E	µg/Kg	47,000*
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	1,3,5-Trimethylbenzene	6200	D	µg/Kg	47,000*
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	2-Butanone	440	JD	µg/Kg	3.96E+07
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	2-Hexanone	83	JD	µg/Kg	NE
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	2-Methylnaphthalene	78000	E	µg/Kg	NE
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	2-Methylnaphthalene	53000	D	µg/Kg	NE
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	4-Isopropyltoluene	1200		µg/Kg	NE
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	4-Isopropyltoluene	3000	D	µg/Kg	NE
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Acenaphthene	4900		µg/Kg	3.44E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	Acenaphthene	4900	JD	µg/Kg	3.44E+06
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	4/5/2002	Barium	28.5		mg/Kg	15,600
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	4/5/2002	Cadmium	0.08	B	mg/Kg	77.9
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	4/5/2002	Chromium	1.3		mg/Kg	280*
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Chrysene	300	J	µg/Kg	4.81E+05
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Dibenzofuran	4100		µg/Kg	NE
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	Dibenzofuran	6500	JD	µg/Kg	NE
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/14/2002	Diesel (C12-C24)	38000	D	mg/Kg	520**
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	Ethylbenzene	83		µg/Kg	6.96E+04
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	Ethylbenzene	83	JD	µg/Kg	6.96E+04
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Fluoranthene	600		µg/Kg	2.29E+06
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Fluorene	7100	E	µg/Kg	2.29E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	Fluorene	8900	D	µg/Kg	2.29E+06
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	4/5/2002	Lead	0.92	B	mg/Kg	400

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
							g	
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	Mercury	0.4	*	mg/Kg	7.71
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	Methylene chloride	28	BJ	µg/Kg	1.99E+05
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	Methylene chloride	82	JD	µg/Kg	1.99E+05
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Naphthalene	18000	E	µg/Kg	4.50E+04
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	Naphthalene	11000	D	µg/Kg	4.50E+04
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Phenanthrene	19000	E	µg/Kg	1.83E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/12/2002	Phenanthrene	20000	D	µg/Kg	1.83E+06
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/11/2002	Pyrene	1500		µg/Kg	1.72E+06
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	4/5/2002	Selenium	0.66	B	mg/Kg	391
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	Styrene	95	JD	µg/Kg	8.97E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	tert-Butylbenzene	75	JD	µg/Kg	NE
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	Toluene	160		µg/Kg	5.57E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	Toluene	120	JD	µg/Kg	5.57E+06
31010-SB26-(9.0-11.0)	SB26	09.0-11.0	3/13/2002	Xylene (total)	4500		µg/Kg	1.09E+06
31010-SB26-(9.0-11.0)DL	SB26	09.0-11.0	3/14/2002	Xylene (total)	4400	D	µg/Kg	1.09E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	1,2,4-Trimethylbenzene	12000	E	µg/Kg	67000*
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	1,2,4-Trimethylbenzene	18000	D	µg/Kg	67000*
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	1,3,5-Trimethylbenzene	4400	E	µg/Kg	47,000*
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	1,3,5-Trimethylbenzene	5400	D	µg/Kg	47,000*
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	2-Methylnaphthalene	39000	E	µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	2-Methylnaphthalene	34000	D	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	4-Isopropyltoluene	1200		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	4-Isopropyltoluene	2600	D	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Acenaphthene	2900		µg/Kg	3.44E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Acenaphthene	2500	JD	µg/Kg	3.44E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	4/10/2002	Arsenic	1.1		mg/Kg	3.59
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	4/5/2002	Barium	109		mg/Kg	15,600
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	4/5/2002	Chromium	8.6		mg/Kg	280*
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Chrysene	180	J	µg/Kg	4.81E+05
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Dibenzofuran	2700		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Dibenzofuran	3500	JD	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/14/2002	Diesel (C12-C24)	18000	D	mg/Kg	520**
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	Ethylbenzene	1000		µg/Kg	6.96E+04

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	Ethylbenzene	870	D	µg/Kg	6.96E+04
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Fluoranthene	400		µg/Kg	2.29E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Fluorene	4400		µg/Kg	2.29E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Fluorene	5000	D	µg/Kg	2.29E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	Isopropylbenzene	380		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	Isopropylbenzene	460	D	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	4/5/2002	Lead	5.2		mg/Kg	400
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	Methylene chloride	30	BJ	µg/Kg	1.99E+05
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Naphthalene	12000	E	µg/Kg	4.50E+04
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Naphthalene	8800	D	µg/Kg	4.50E+04
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	n-Butylbenzene	1300		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	n-Butylbenzene	1100	D	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	n-Propylbenzene	820		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	n-Propylbenzene	820	D	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Phenanthrene	12000	E	µg/Kg	1.83E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Phenanthrene	11000	D	µg/Kg	1.83E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/11/2002	Pyrene	1000		µg/Kg	1.72E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/13/2002	Pyrene	1200	JD	µg/Kg	1.72E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	sec-Butylbenzene	650		µg/Kg	NE
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	sec-Butylbenzene	1200	D	µg/Kg	NE
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	4/5/2002	Selenium	0.49	B	mg/Kg	391
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	Toluene	820		µg/Kg	5.57E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	Toluene	550	D	µg/Kg	5.57E+06
31010-SB26-(14.0-16.0)	SB26	14.0-16.0	3/13/2002	Xylene (total)	8300	E	µg/Kg	1.09E+06
31010-SB26-(14.0-16.0)DL	SB26	14.0-16.0	3/14/2002	Xylene (total)	7600	D	µg/Kg	1.09E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	1,2,4-Trimethylbenzene	2100		µg/Kg	67000*
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	1,3,5-Trimethylbenzene	800		µg/Kg	47,000*
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	2-Methylnaphthalene	27000	E	µg/Kg	NE
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	2-Methylnaphthalene	23000	D	µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	4-Isopropyltoluene	330		µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Acenaphthene	1600		µg/Kg	3.44E+06
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Acenaphthene	1700	JD	µg/Kg	3.44E+06

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	4/5/2002	Arsenic	0.52	B	mg/Kg	3.59
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	4/5/2002	Barium	48.4		mg/Kg	15,600
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	4/5/2002	Cadmium	0.11	B	mg/Kg	77.9
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	4/5/2002	Chromium	5.5		mg/Kg	280*
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Chrysene	120	J	µg/Kg	4.81E+05
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Dibenzofuran	2600		µg/Kg	NE
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Dibenzofuran	3200	D	µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/14/2002	Diesel (C12-C24)	13000	D	mg/Kg	520**
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	Ethylbenzene	340		µg/Kg	6.96E+04
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Fluoranthene	250	J	µg/Kg	2.29E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Fluorene	3600		µg/Kg	2.29E+06
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Fluorene	4300	D	µg/Kg	2.29E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	Isopropylbenzene	190		µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	4/5/2002	Lead	3.2		mg/Kg	400
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	Methylene chloride	26	BJ	µg/Kg	1.99E+05
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Naphthalene	8700	E	µg/Kg	4.50E+04
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Naphthalene	6600	D	µg/Kg	4.50E+04
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	n-Propylbenzene	390		µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Phenanthrene	9100	E	µg/Kg	1.83E+06
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Phenanthrene	7900	D	µg/Kg	1.83E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/11/2002	Pyrene	620		µg/Kg	1.72E+06
31010-SB26-(19.0-21.0)DL	SB26	19.0-21.0	3/13/2002	Pyrene	710	JD	µg/Kg	1.72E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	sec-Butylbenzene	350		µg/Kg	NE
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	Toluene	220		µg/Kg	5.57E+06
31010-SB26-(19.0-21.0)	SB26	19.0-21.0	3/13/2002	Xylene (total)	1300		µg/Kg	1.09E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	1,2,4-Trimethylbenzene	8		µg/Kg	67000*
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	1,3,5-Trimethylbenzene	2	J	µg/Kg	47,000*
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	2-Methylnaphthalene	9700	E	µg/Kg	NE
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	2-Methylnaphthalene	9600	D	µg/Kg	NE
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Acenaphthene	550		µg/Kg	3.44E+06
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Acenaphthene	680	JD	µg/Kg	3.44E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	4/5/2002	Arsenic	0.9	B	mg/Kg	3.59

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Table 1D. RFI Data Denver Site (Detects)

Sample ID	Soil Boring	Depth	Date Analyzed	Analyte	Result	Flag	Units	NMED SSL
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	4/5/2002	Barium	109		mg/Kg	15,600
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	4/5/2002	Cadmium	0.18	B	mg/Kg	77.9
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	4/5/2002	Chromium	7.8		mg/Kg	280*
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Dibenzofuran	1300		µg/Kg	NE
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Dibenzofuran	1200	D	µg/Kg	NE
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/14/2002	Diesel (C12-C24)	5200	D	mg/Kg	520**
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Ethylbenzene	1	J	µg/Kg	6.96E+04
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Fluoranthene	92	J	µg/Kg	2.29E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Fluorene	1500		µg/Kg	2.29E+06
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Fluorene	1600	D	µg/Kg	2.29E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	4/5/2002	Lead	3.9		mg/Kg	400
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Methylene chloride	7	B	µg/Kg	1.99E+05
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Naphthalene	2300		µg/Kg	4.50E+04
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Naphthalene	2200	D	µg/Kg	4.50E+04
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	n-Butylbenzene	4	J	µg/Kg	NE
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Phenanthrene	3600		µg/Kg	1.83E+06
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Phenanthrene	3400	D	µg/Kg	1.83E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Pyrene	300	J	µg/Kg	1.72E+06
31010-SB26-(24.0-26.0)DL	SB26	24.0-26.0	3/13/2002	Pyrene	250	JD	µg/Kg	1.72E+06
31010-SB26-(24.0-26.0)	SB26	24.0-26.0	3/11/2002	Xylene (total)	2	J	µg/Kg	1.09E+06
		* EPA Region IX RSL						
		** NMED TPH Screening Guideline						
		> - Greater than indicated temperature.						
		D or DL - Diluted Sample.						
		E - Compound was over the calibration range.						
		J - Estimated Value. Compound detected below reporting limit.						
		P - The percentage difference between the results of the two columns is > 25%.						
		U - Not Detected at the Indicated Laboratory Repoting Limit.						

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APPENDIX A

DISPOSAL MANIFESTS *(on CD only)*

APPENDIX B

TOTAL RCRA METALS ANALYSIS OF CLEAN FILL MATERIAL

APPENDIX C

~~WASTE CHARACTERIZATION~~CONFIRMATION SAMPLE ANALYTICAL RESULTS

ANALYTICAL RESULTS

(on CD only)

APPENDIX D

~~CONFIRMATION SAMPLE LABORATORY ANALYTICAL RESULTS~~DENVER SOIL DENSITY TEST

APPENDIX E
NMED-WSMR CORRESPONDENCE

APPENDIX F

PRELIMINARY INVESTIGATION ANALYTICAL RESULTS *(on CD only)*