United States Army White Sands Missile Range

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

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

Prepared for

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

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EXECUTIVE SUMMARY

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

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

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

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

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

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

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

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

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

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

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

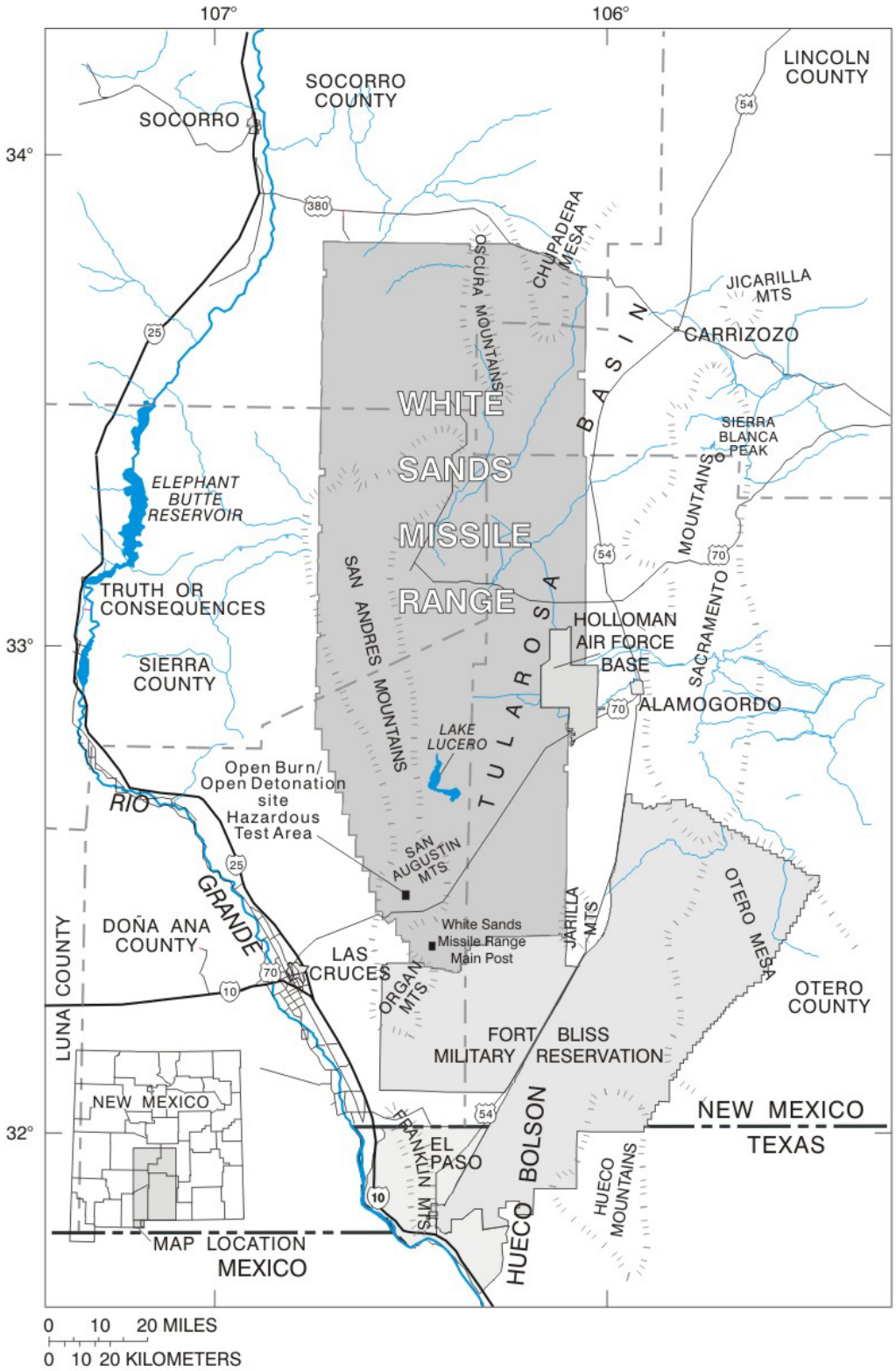

Figure 1. Location of the Open Burn/Open Detonation Unit, Hazardous Test Area and surrounding area, south-central New Mexico.

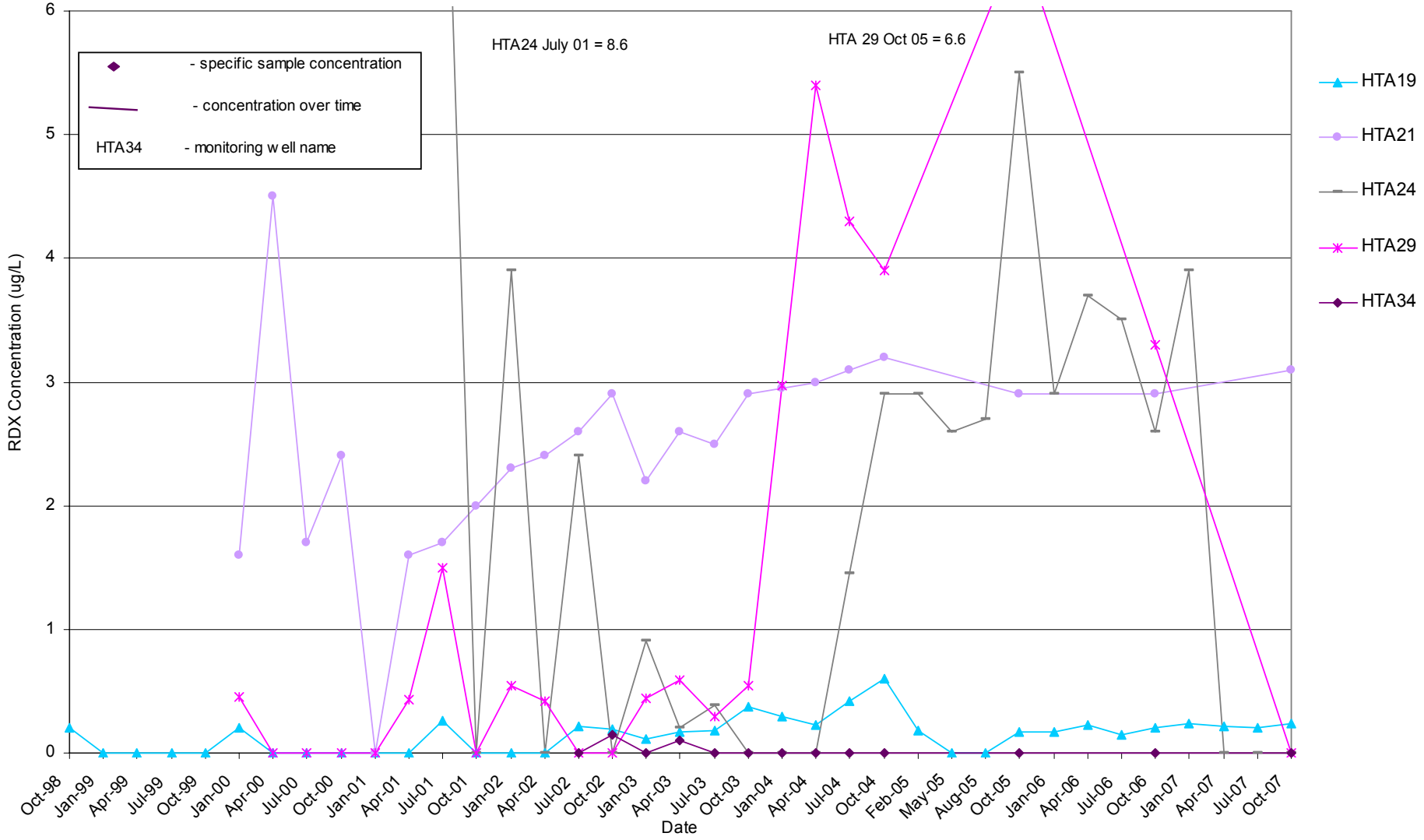

Figure 12. Time-series plot of RDX concentrations generally smaller than 4 µg/L, October 1998 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

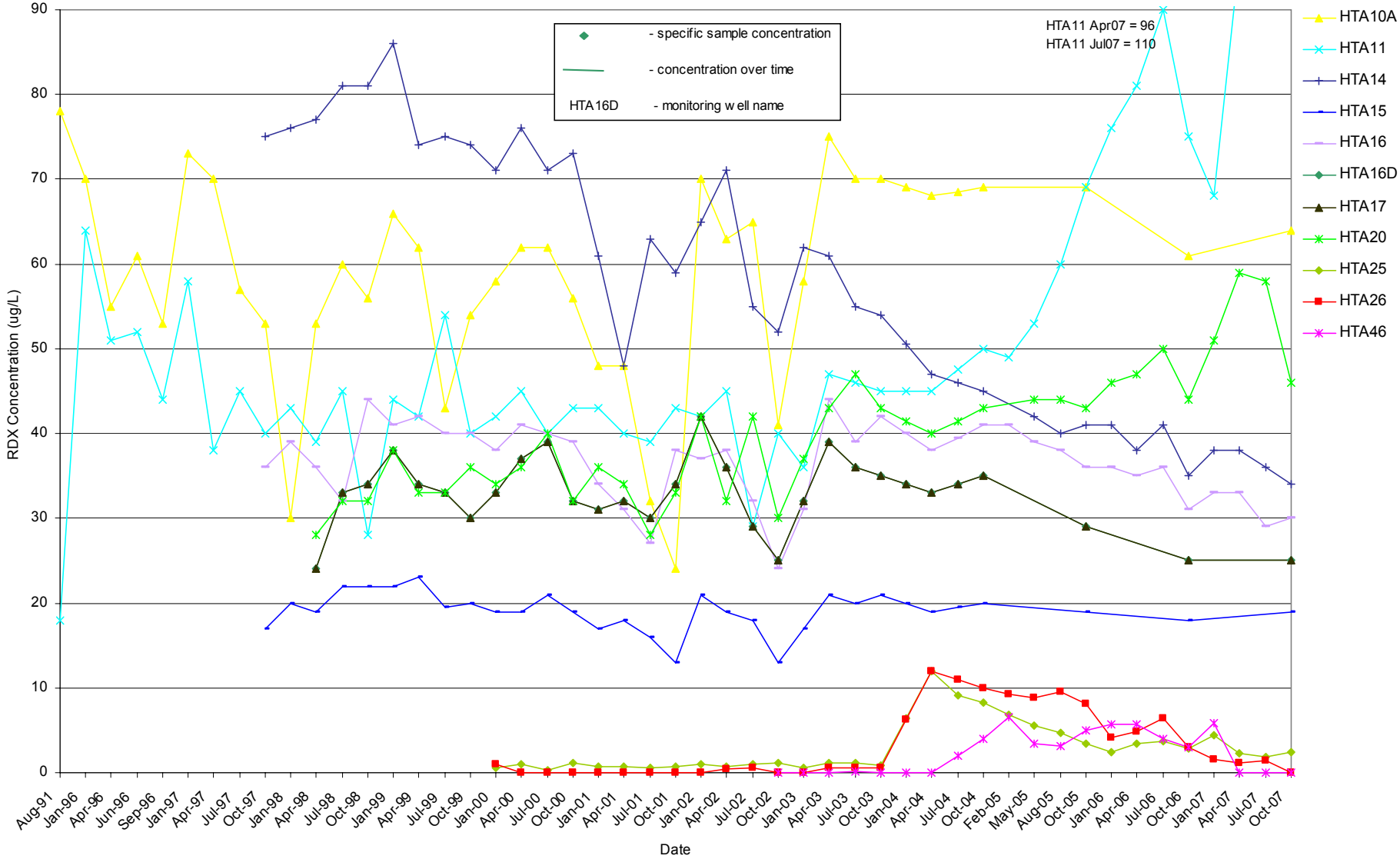

Figure 13. Time-Series plot of RDX concentrations generally larger than 10 µg/L, August 1991 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

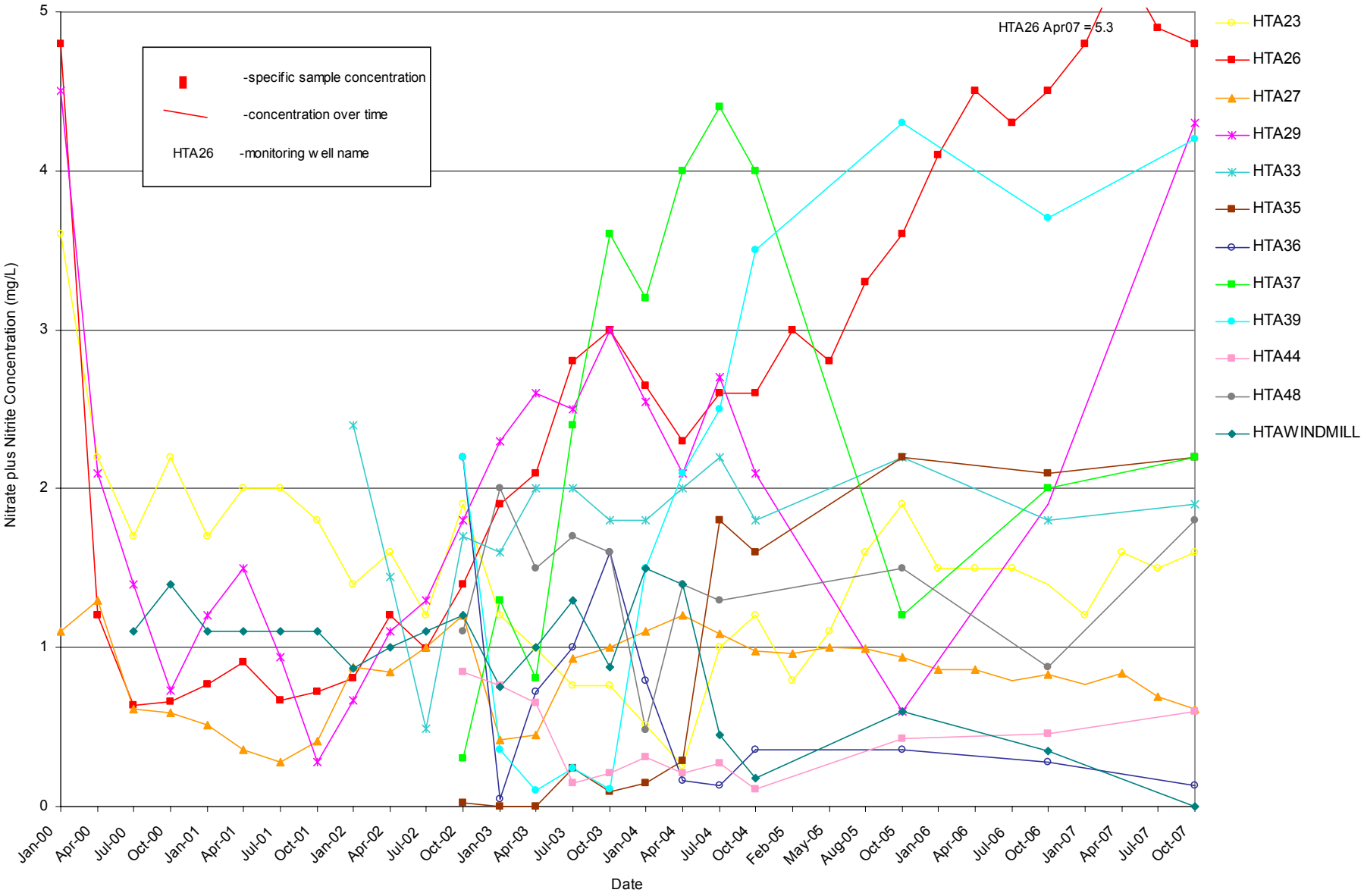

Figure 14. Time-series plot of nitrate plus nitrite concentrations generally smaller than 2 mg/L, January 2000 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

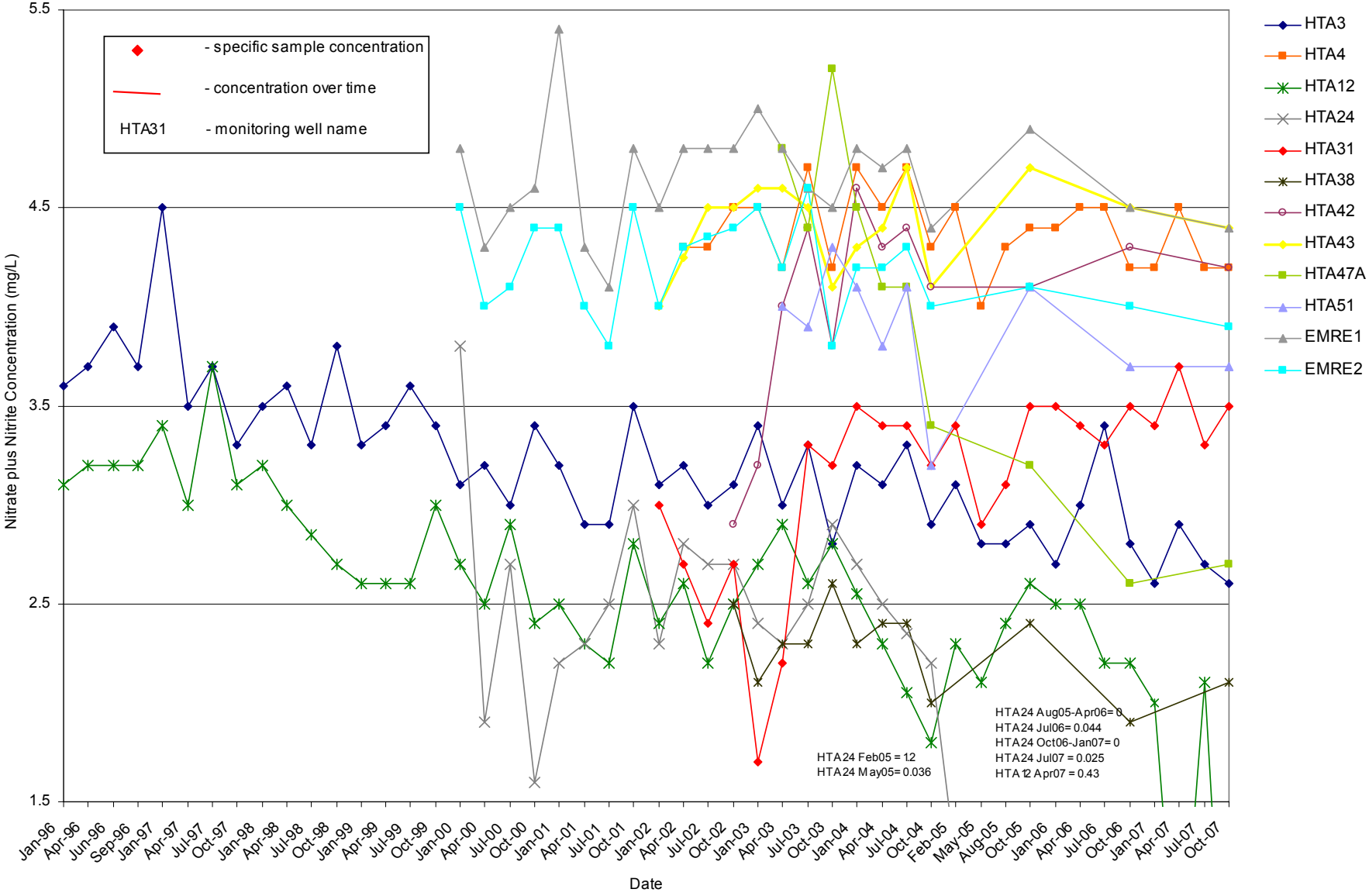

Figure 15. Time-series plot of nitrate plus nitrite concentrations generally ranging from 2 mg/L to 5 mg/L, January 1996 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

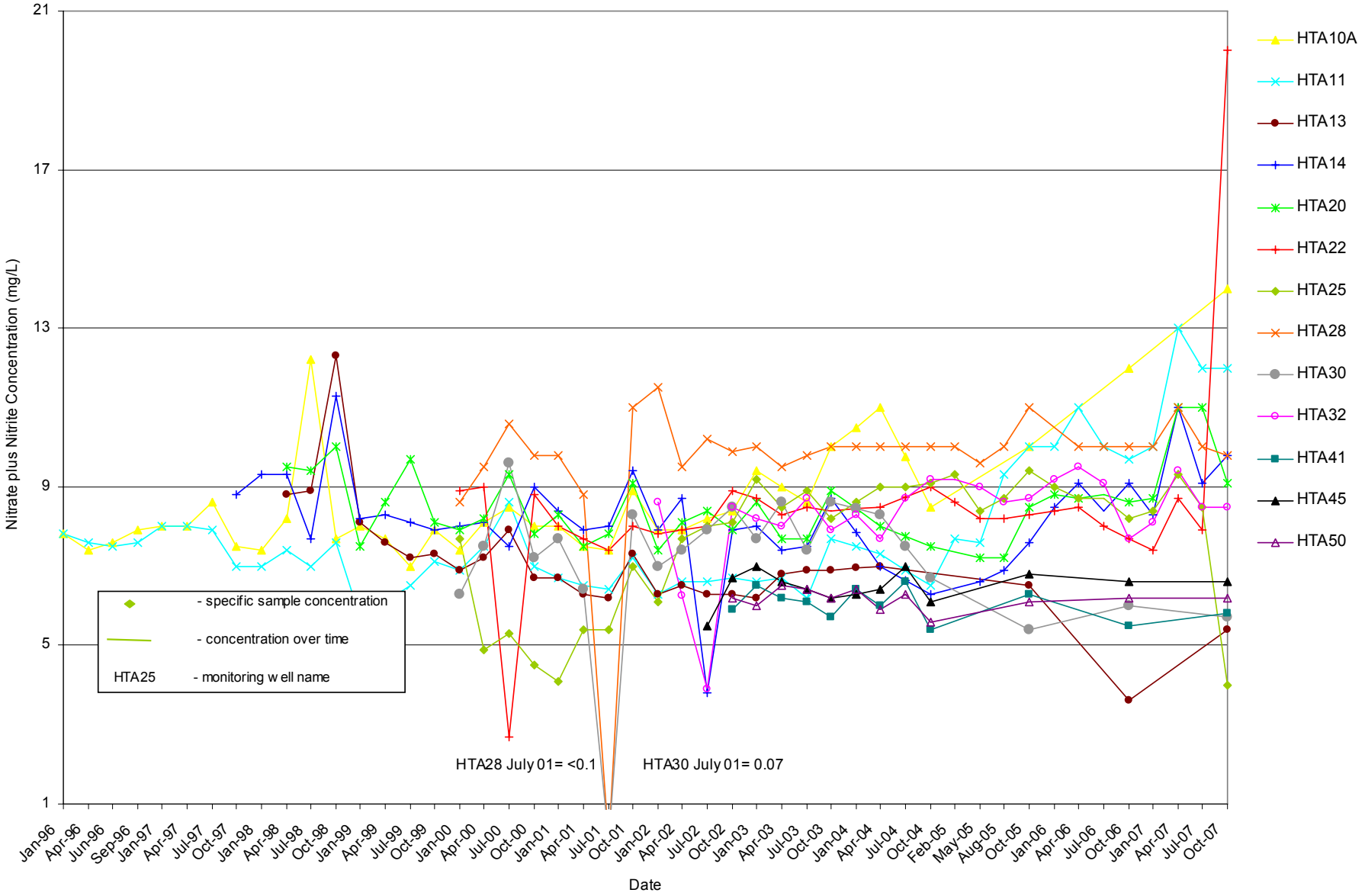

Figure 16. Time-series plot of nitrate plus nitrite concentrations generally ranging from 5 mg/L to 10 mg/L, January 1996 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit, U.S. Army White Sands Missile Range, New Mexico.

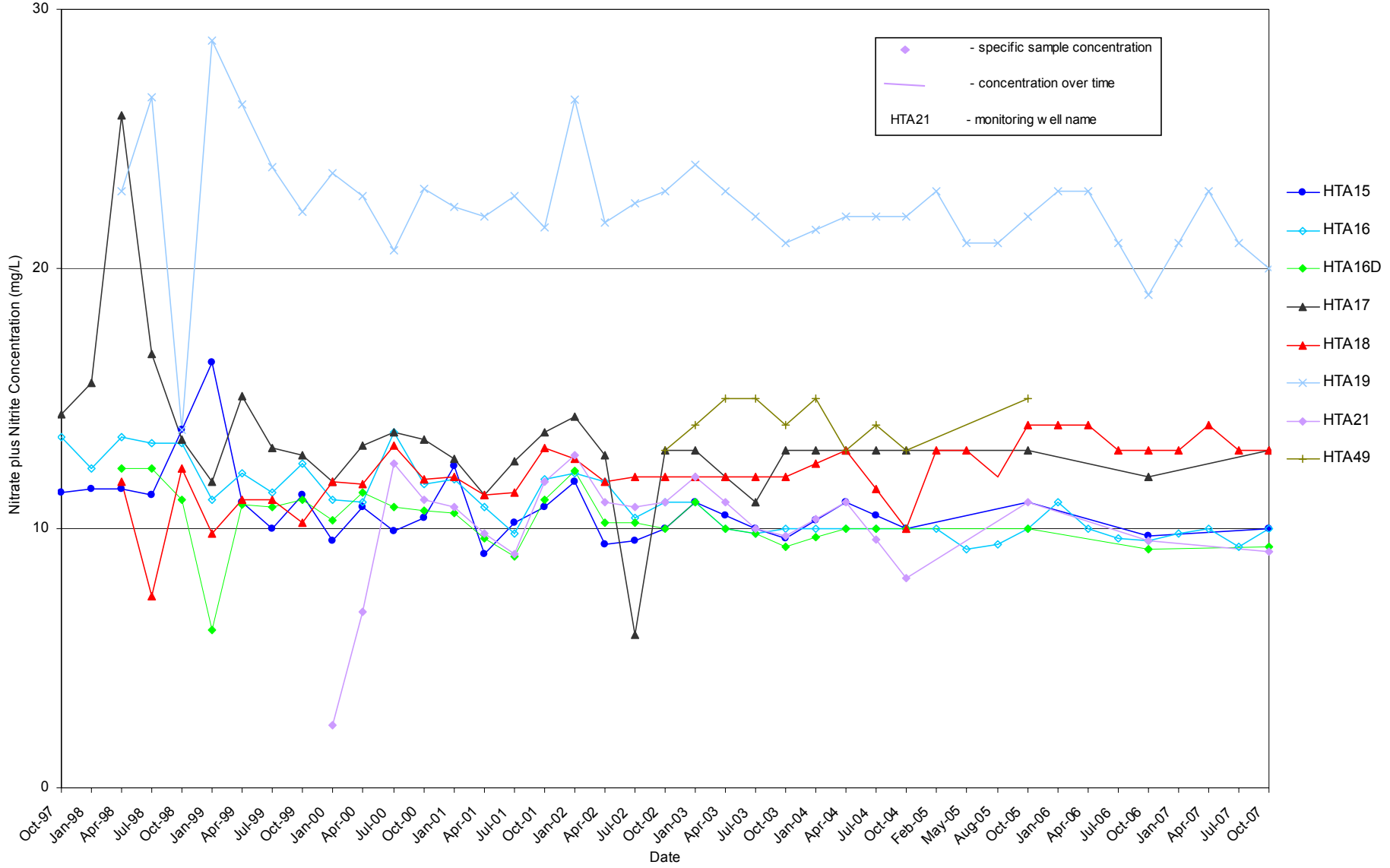

Figure 17. Time-series plot of nitrate plus nitrite concentrations generally larger than 10 mg/L, October 1997 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

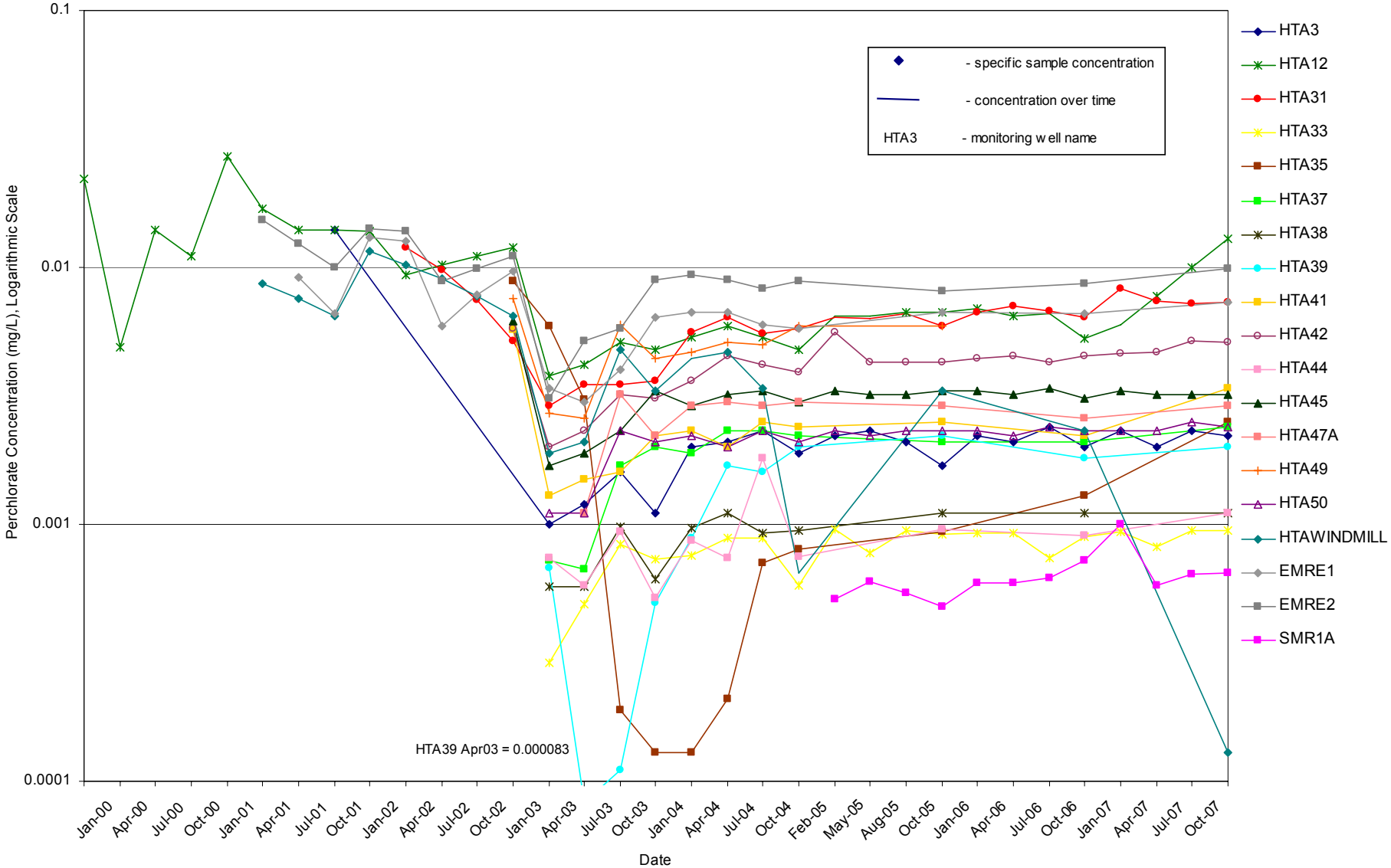

Figure 18. Semi-logarithmic time-series plot of perchlorate concentrations generally smaller than 0.01 mg/L, October 1999 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

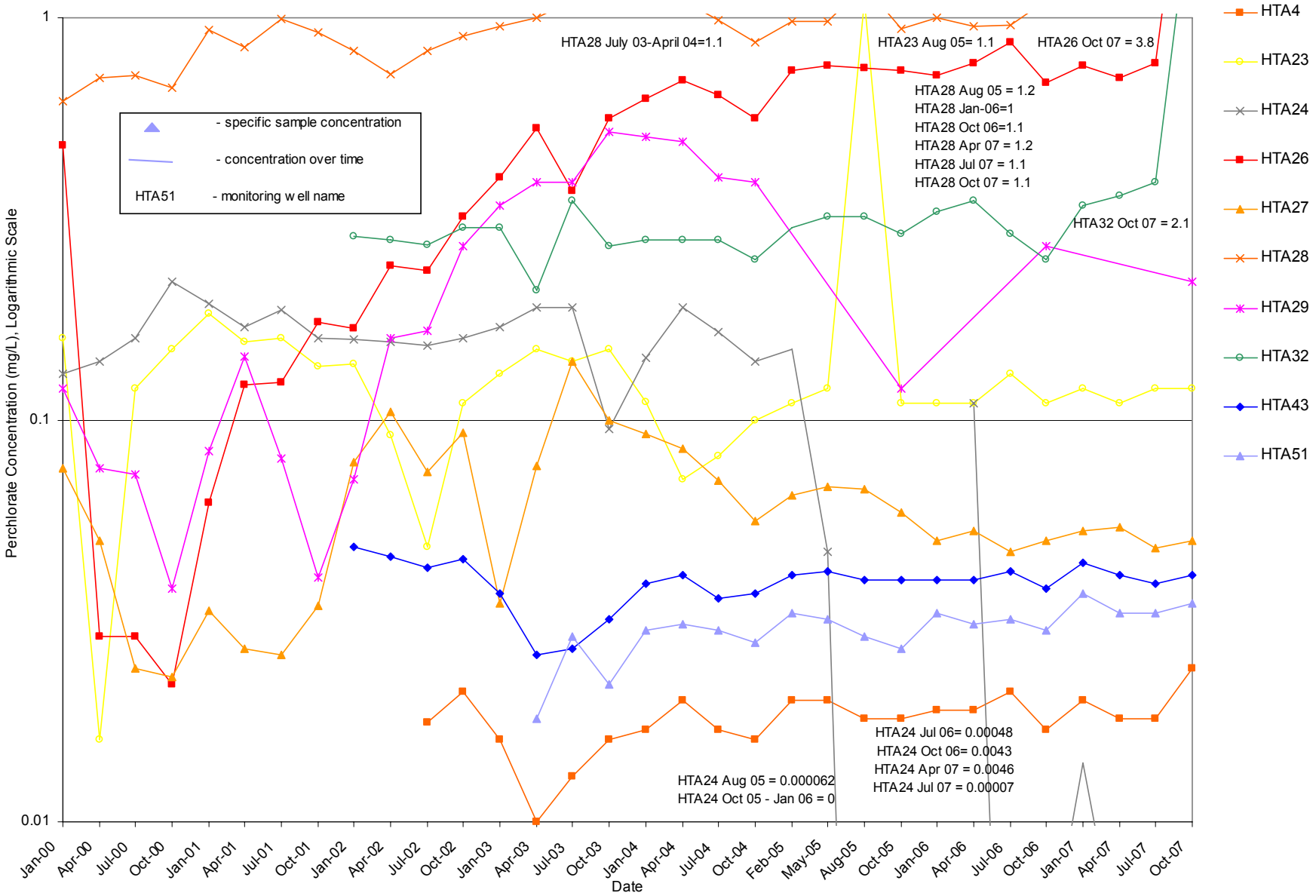

Figure 19. Semi-logarithmic time-series plot of perchlorate concentrations generally ranging from 0.01 mg/L to 1 mg/L, January 2000 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

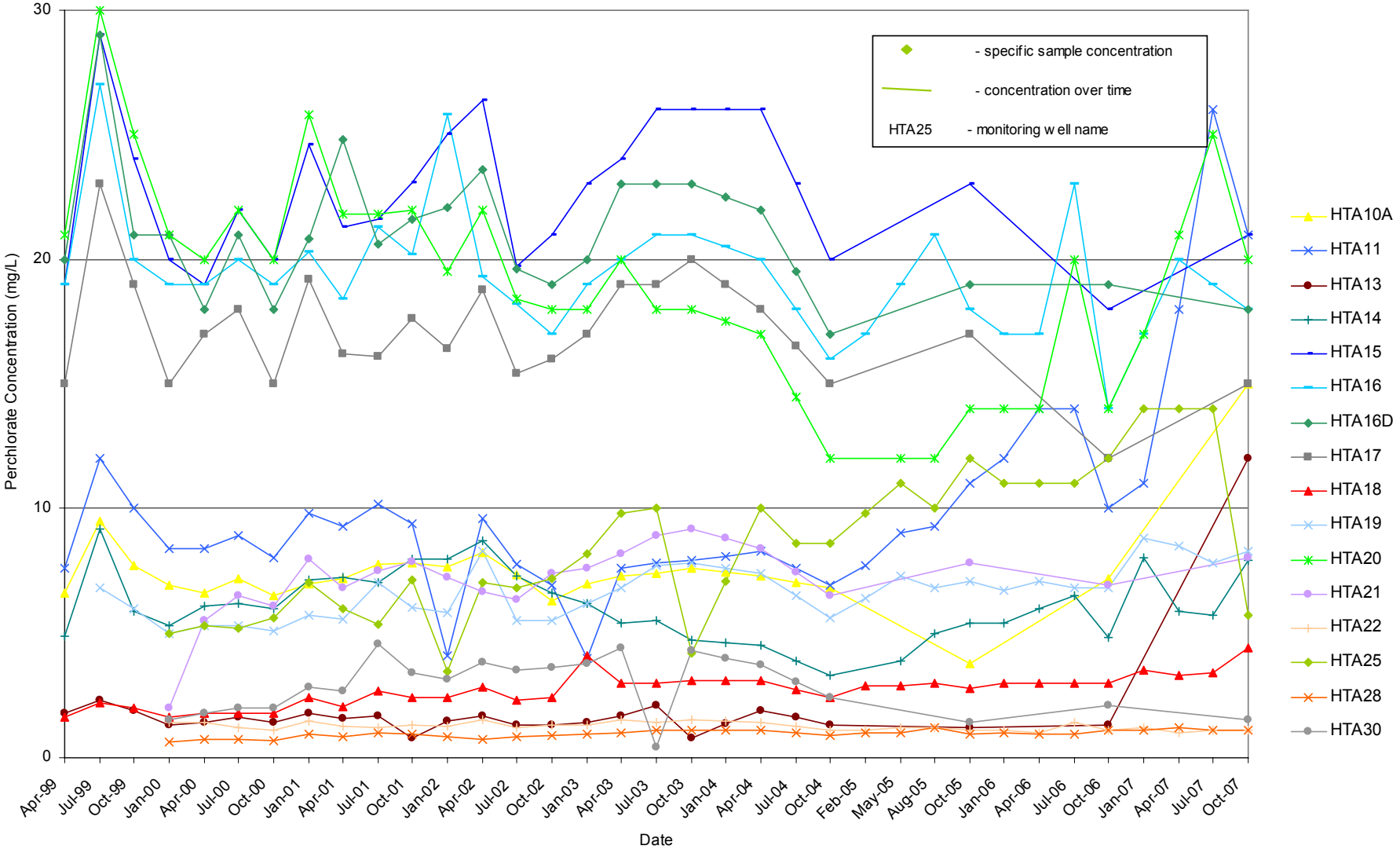

Figure 20. Time-series plot of perchlorate concentrations generally larger than 1 mg/L, April 1999 to October 2007 in ground water downgradient from the Open Burn/Open Detonation Unit U.S. Army White Sands Missile Range, New Mexico.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

MONITORING WELL IDENTIFICATION REPORT

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

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

MONITORING WELL IDENTIFICATION REPORT

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

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

MONITORING WELL IDENTIFICATION REPORT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-27
WELL LOCATION (LONGITUDE)	106° 30' 51"
WELL LOCATION (LATITUDE)	32° 29' 27"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/03/99
DRILLING METHOD	Air rotary (0-25 ft) and air hammer (25-182 ft)
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	11 in (0-25 ft); 6 in (25-182 ft)
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing
ELEV BOTTOM OF BOREHOLE	5,313 feet above MSL
ELEV BOTTOM OF WELL CASING	5,315.14 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,315.14 feet above MSL
ELEV OF TOP OF SCREENED INT	5,334.84 feet above MSL
SURVEYED ELEV OF CASING TOP	5,496.5 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-28
WELL LOCATION (LONGITUDE)	106° 30' 46"
WELL LOCATION (LATITUDE)	32° 29' 23"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/04/99
DRILLING METHOD	Air rotary (0-19.5 ft), air hammer (19.5-300 ft)
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	11 in (0-19.5 ft); 6 in (19.5-300 ft)
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen
METHOD OF DEVELOPMENT	Pumped
ELEV BOTTOM OF BOREHOLE	5,151 feet above MSL, Borehole backfilled with bentonite chip up to 5,302 feet MSL
ELEV BOTTOM OF WELL CASING	5,306.26 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,311.11 feet above MSL
ELEV OF TOP OF SCREENED INT	5,330.81 feet above MSL
SURVEYED ELEV OF CASING TOP	5,453.96 feet above MSL

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-29
WELL LOCATION (LONGITUDE)	106° 31' 16"
WELL LOCATION (LATITUDE)	32° 29' 44"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/05/99
DRILLING METHOD	Air rotary (0-25 ft) and air hammer (25-405 ft)
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	11 in (0-25 ft); 6 in (25-405 ft)
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen
METHOD OF DEVELOPMENT	Pumped
ELEV BOTTOM OF BOREHOLE	5,318 feet above MSL, Borehole backfilled with bentonite chip up to 5,561 feet MSL
ELEV BOTTOM OF WELL CASING	5,564.95 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,569.80 feet above MSL
ELEV OF TOP OF SCREENED INT	5,589.50 feet above MSL
SURVEYED ELEV OF CASING TOP	5,725.83 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NM2750211235
COUNTY	Dona Ana
WELL NUMBER	HTA-30
WELL LOCATION (LONGITUDE)	106° 30' 57"
WELL LOCATION (LATITUDE)	32° 29' 39"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/02/99
DRILLING METHOD	Air rotary (0-38 ft) and air hammer (38-200 ft)
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	9.88 in (0-25 ft); 5.75 in (25-182 ft)
CASING MATERIAL	PVC (schedule 40), 0.01 inch slotted screen
METHOD OF DEVELOPMENT	Borehole developed with compressed air prior to installing well casing
ELEV BOTTOM OF BOREHOLE	5,368 feet above MSL
ELEV BOTTOM OF WELL CASING	5,368 feet above MSL, Casing set on base of borehole
ELEV BOTTOM OF SCREENED INT	5,372.46 feet above MSL
ELEV OF TOP OF SCREENED INT	5,392.46 feet above MSL
SURVEYED ELEV OF CASING TOP	5,570.22 feet above MSL

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-31
WELL LOCATION (LONGITUDE)	106° 30' 21.96"
WELL LOCATION (LATITUDE)	32° 29' 2.16"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	01/14/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	5,161.66 feet above MSL
ELEV BOTTOM OF WELL CASING	5,5166.66 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,166.66 feet above MSL
ELEV OF TOP OF SCREENED INT	5,186.66 feet above MSL
SURVEYED ELEV OF CASING TOP	5,254.75 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-32
WELL LOCATION (LONGITUDE)	106° 30' 26.29"
WELL LOCATION (LATITUDE)	32° 29' 23.73"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	01/14/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	5,259.77 feet above MSL
ELEV BOTTOM OF WELL CASING	5,268.77 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,268.77 feet above MSL
ELEV OF TOP OF SCREENED INT	5,288.77 feet above MSL
SURVEYED ELEV OF CASING TOP	5,346.31 feet above MSL

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NEW MEXICO ENVIRONMENT DEPARTMENT
HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-33
WELL LOCATION (LONGITUDE)	106° 30' 54.85"
WELL LOCATION (LATITUDE)	32° 28' 48.1"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/14/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	5,256.81 feet above MSL
ELEV BOTTOM OF WELL CASING	5,261.81 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,261.81 feet above MSL
ELEV OF TOP OF SCREENED INT	5,281.81 feet above MSL
SURVEYED ELEV OF CASING TOP	5,371.55 feet above MSL

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-34
WELL LOCATION (LONGITUDE)	106° 31' 27.89"
WELL LOCATION (LATITUDE)	32° 29' 43.16"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/14/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	5,690.94 feet above MSL
ELEV BOTTOM OF WELL CASING	5,691.94 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,691.94 feet above MSL
ELEV OF TOP OF SCREENED INT	5,711.94 feet above MSL
SURVEYED ELEV OF CASING TOP	5,797.72 feet above MSL

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-35
WELL LOCATION (LONGITUDE)	106° 29' 6.03"
WELL LOCATION (LATITUDE)	32° 27' 4.28"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,454.42 feet above MSL
ELEV BOTTOM OF WELL CASING	4,459.42 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,459.42 feet above MSL
ELEV OF TOP OF SCREENED INT	4,479.42 feet above MSL
SURVEYED ELEV OF CASING TOP	4,621.18 feet above MSL

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-36
WELL LOCATION (LONGITUDE)	106° 29' 44.25"
WELL LOCATION (LATITUDE)	32° 27' 2.38"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,696.49 feet above MSL
ELEV BOTTOM OF WELL CASING	4,701.49 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,701.49 feet above MSL
ELEV OF TOP OF SCREENED INT	4,721.49 feet above MSL
SURVEYED ELEV OF CASING TOP	4,798.02 feet above MSL

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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-37
WELL LOCATION (LONGITUDE)	106° 29' 47.22"
WELL LOCATION (LATITUDE)	32° 26' 39.19"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,551.93 feet above MSL
ELEV BOTTOM OF WELL CASING	4,557.93 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,557.93 feet above MSL
ELEV OF TOP OF SCREENED INT	4,577.93 feet above MSL
SURVEYED ELEV OF CASING TOP	4,697.84 feet above MSL

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-38
WELL LOCATION (LONGITUDE)	106° 30' 2.03"
WELL LOCATION (LATITUDE)	32° 26' 24.49"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,599.95 feet above MSL
ELEV BOTTOM OF WELL CASING	4,604.95 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,604.95 feet above MSL
ELEV OF TOP OF SCREENED INT	4,624.95 feet above MSL
SURVEYED ELEV OF CASING TOP	4,726.93 feet above MSL

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-39
WELL LOCATION (LONGITUDE)	106° 29' 48.75"
WELL LOCATION (LATITUDE)	32° 26' 12.15"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,495.42 feet above MSL
ELEV BOTTOM OF WELL CASING	4,500.42 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,500.42 feet above MSL
ELEV OF TOP OF SCREENED INT	4,520.42 feet above MSL
SURVEYED ELEV OF CASING TOP	4,652.14 feet above MSL

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-40
WELL LOCATION (LONGITUDE)	106° 29' 13.95"
WELL LOCATION (LATITUDE)	32° 26' 8.93"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,309.63 feet above MSL
ELEV BOTTOM OF WELL CASING	4,314.63 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,314.63 feet above MSL
ELEV OF TOP OF SCREENED INT	4,334.63 feet above MSL
SURVEYED ELEV OF CASING TOP	4,516.5 feet above MSL

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-41
WELL LOCATION (LONGITUDE)	106° 28' 19.14"
WELL LOCATION (LATITUDE)	32° 27' 31.39"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,377.11 feet above MSL
ELEV BOTTOM OF WELL CASING	4,377.11 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,377.11 feet above MSL
ELEV OF TOP OF SCREENED INT	4,397.11 feet above MSL
SURVEYED ELEV OF CASING TOP	4,504.63 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-42
WELL LOCATION (LONGITUDE)	106° 29' 42.66"
WELL LOCATION (LATITUDE)	32° 28' 37.01"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,854.49 feet above MSL
ELEV BOTTOM OF WELL CASING	4,856.69 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,856.69 feet above MSL
ELEV OF TOP OF SCREENED INT	4,876.69 feet above MSL
SURVEYED ELEV OF CASING TOP	4,996.95 feet above MSL

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-43
WELL LOCATION (LONGITUDE)	106° 29' 27.85"
WELL LOCATION (LATITUDE)	32° 28' 57"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	4,851.87 feet above MSL
ELEV BOTTOM OF WELL CASING	4,857.87 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,857.87 feet above MSL
ELEV OF TOP OF SCREENED INT	4,877.87 feet above MSL
SURVEYED ELEV OF CASING TOP	4,959.71 feet above MSL

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-44
WELL LOCATION (LONGITUDE)	106° 30' 2.42"
WELL LOCATION (LATITUDE)	32° 27' 44.93"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,794.28 feet above MSL
ELEV BOTTOM OF WELL CASING	4,799.28 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,799.28 feet above MSL
ELEV OF TOP OF SCREENED INT	4,819.28 feet above MSL
SURVEYED ELEV OF CASING TOP	4,940.26 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-45
WELL LOCATION (LONGITUDE)	106° 28' 34.57"
WELL LOCATION (LATITUDE)	32° 28' 23.34"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/16/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,493.73 feet above MSL
ELEV BOTTOM OF WELL CASING	4,498.73 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,498.73 feet above MSL
ELEV OF TOP OF SCREENED INT	4,518.73 feet above MSL
SURVEYED ELEV OF CASING TOP	4,640.84 feet above MSL

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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-46
WELL LOCATION (LONGITUDE)	106° 30' 2.51"
WELL LOCATION (LATITUDE)	32° 29' 6.27"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/15/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,834.15 feet above MSL
ELEV BOTTOM OF WELL CASING	5,014.15 feet above MSL
ELEV BOTTOM OF SCREENED INT	5,014.15 feet above MSL
ELEV OF TOP OF SCREENED INT	5,034.15 feet above MSL
SURVEYED ELEV OF CASING TOP	5,161.62 feet above

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SANTA FE, NEW MEXICO 87502

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-47A
WELL LOCATION (LONGITUDE)	106° 28' 1.33"
WELL LOCATION (LATITUDE)	32° 28' 26.72"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	2/21/2003
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,310.93 feet above MSL
ELEV BOTTOM OF WELL CASING	4,311.13 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,311.13 feet above MSL
ELEV OF TOP OF SCREENED INT	4,331.13 feet above MSL
SURVEYED ELEV OF CASING TOP	4,494.93 feet above MSL

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HAZARDOUS AND RADIOACTIVE MATERIALS BUREAU
525 CAMINO DE LOS MARQUEZ, SUITE 4
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FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-48
WELL LOCATION (LONGITUDE)	106° 28' 56.57"
WELL LOCATION (LATITUDE)	32° 25' 37.51"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/17/2002
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,242.41 feet above MSL
ELEV BOTTOM OF WELL CASING	4,247.41 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,247.41 feet above MSL
ELEV OF TOP OF SCREENED INT	4,267.41 feet above MSL
SURVEYED ELEV OF CASING TOP	4,409.63 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-49
WELL LOCATION (LONGITUDE)	106° 29' 9.64"
WELL LOCATION (LATITUDE)	32° 25' 7.67"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	12/12/2001
DRILLING METHOD	Mud rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	7.875 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	3,991.85 feet above MSL
ELEV BOTTOM OF WELL CASING	3,992.85 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,992.85 feet above MSL
ELEV OF TOP OF SCREENED INT	4,022.85 feet above MSL
SURVEYED ELEV OF CASING TOP	4,414.13 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-50
WELL LOCATION (LONGITUDE)	106° 27' 31.4"
WELL LOCATION (LATITUDE)	32° 28' 33.32"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	1/13/2002
DRILLING METHOD	Mud rotary
INNER CASING DIAMETER	4 inches
BOREHOLE DIAMETER	7.875 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Bailed
ELEV BOTTOM OF BOREHOLE	3,846.45 feet above MSL
ELEV BOTTOM OF WELL CASING	3,850.05 feet above MSL
ELEV BOTTOM OF SCREENED INT	3,850.05 feet above MSL
ELEV OF TOP OF SCREENED INT	3,880.05 feet above MSL
SURVEYED ELEV OF CASING TOP	4,368.24 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	HTA-51
WELL LOCATION (LONGITUDE)	106° 29' 1.41"
WELL LOCATION (LATITUDE)	32° 29' 0.61"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	_____ UNCONFINED X
WELL INSTALLATION DATE	2/24/2003
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	6 inches
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Air lifted and pumped
ELEV BOTTOM OF BOREHOLE	4,692.23 feet above MSL
ELEV BOTTOM OF WELL CASING	4,692.63 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,692.63 feet above MSL
ELEV OF TOP OF SCREENED INT	4,712.63 feet above MSL
SURVEYED ELEV OF CASING TOP	4,837.23 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	EMRE 1
WELL LOCATION (LONGITUDE)	106° 30' 17"
WELL LOCATION (LATITUDE)	32° 28' 4"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	12/3/99
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	4,859.16 feet above MSL
ELEV BOTTOM OF WELL CASING	4,863.16 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,868.16 feet above MSL
ELEV OF TOP OF SCREENED INT	4,888.16 feet above MSL
SURVEYED ELEV OF CASING TOP	5,045.43 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	EMRE 2
WELL LOCATION (LONGITUDE)	106° 30' 9"
WELL LOCATION (LATITUDE)	32° 28' 0"
AQUIFER NAME	Precambrian Granite (400PCMB)
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	12/03/99
DRILLING METHOD	Air rotary
INNER CASING DIAMETER	3 inches
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	PVC
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	4,890.99 feet above MSL
ELEV BOTTOM OF WELL CASING	4,893.99 feet above MSL
ELEV BOTTOM OF SCREENED INT	4,898.99 feet above MSL
ELEV OF TOP OF SCREENED INT	4,917.99 feet above MSL
SURVEYED ELEV OF CASING TOP	4,996.37 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

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

FACILITY NAME Open Burn / Open Detonation Unit, Hazardous Test Area

EPA I.D. NUMBER NONE

COUNTY Dona Ana

WELL NUMBER HTA-WINDMILL

WELL LOCATION (LONGITUDE) 106° 50' 52"

WELL LOCATION (LATITUDE) 32° 28' 24"

AQUIFER NAME Precambrian Granite (400PCMB)

AQUIFER CONFINED Unknown UNCONFINED Unknown

WELL INSTALLATION DATE Unknown

DRILLING METHOD Unknown

INNER CASING DIAMETER Unknown

BOREHOLE DIAMETER Unknown

CASING MATERIAL Unknown

METHOD OF DEVELOPMENT Unknown

ELEV BOTTOM OF BOREHOLE Unknown

ELEV BOTTOM OF WELL CASING Unknown

ELEV BOTTOM OF SCREENED INT Unknown

ELEV OF TOP OF SCREENED INT Unknown

SURVEYED ELEV OF CASING TOP Unknown

MONITORING WELL IDENTIFICATION REPORT

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	BONNEY SPRING MINE WINDMILL
WELL LOCATION (LONGITUDE)	106° 29' 11"
WELL LOCATION (LATITUDE)	32° 29' 38"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	Unknown
DRILLING METHOD	Unknown
INNER CASING DIAMETER	8 inches
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	Unknown
ELEV BOTTOM OF WELL CASING	4,978 feet above MSL
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	5,041 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR1A
WELL LOCATION (LONGITUDE)	106° 26' 32"
WELL LOCATION (LATITUDE)	32° 29' 02"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	
DRILLING METHOD	Unknown
INNER CASING DIAMETER	Unknown
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Unknown
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	Unknown
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	Unkown

MONITORING WELL IDENTIFICATION REPORT

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR2
WELL LOCATION (LONGITUDE)	106° 26' 44"
WELL LOCATION (LATITUDE)	32° 28' 38"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	September 1960
DRILLING METHOD	Cable tool
INNER CASING DIAMETER	8 inches to 608 feet, 6 inches to 747 feet
BOREHOLE DIAMETER	10 inches to 612 feet, 8 inches to 747 feet
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	3,440.71 feet above MSL
ELEV BOTTOM OF WELL CASING	3,449.71 feet above MSL
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	4,196.71 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR3
WELL LOCATION (LONGITUDE)	106° 25' 11"
WELL LOCATION (LATITUDE)	32° 31' 04"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	January 1967
DRILLING METHOD	Hydraulic rotary
INNER CASING DIAMETER	8 inches to 1,000 feet
BOREHOLE DIAMETER	Unknown
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	3,170.73 feet above MSL
ELEV BOTTOM OF WELL CASING	3,180.73 feet above MSL
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	4,180.73 feet above MSL

MONITORING WELL IDENTIFICATION REPORT

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

FACILITY NAME	Open Burn / Open Detonation Unit, Hazardous Test Area
EPA I.D. NUMBER	NONE
COUNTY	Dona Ana
WELL NUMBER	SMR4
WELL LOCATION (LONGITUDE)	106° 27' 13"
WELL LOCATION (LATITUDE)	32° 27' 35"
AQUIFER NAME	Unknown
AQUIFER CONFINED	Unknown UNCONFINED Unknown
WELL INSTALLATION DATE	December 1967
DRILLING METHOD	Hydraulic rotary
INNER CASING DIAMETER	8 inches
BOREHOLE DIAMETER	12 1/4 inches to 450 feet, 7 7/8 inches to total
CASING MATERIAL	Steel
METHOD OF DEVELOPMENT	Unknown
ELEV BOTTOM OF BOREHOLE	3,145.83 feet above MSL
ELEV BOTTOM OF WELL CASING	Unknown
ELEV BOTTOM OF SCREENED INT	Unknown
ELEV OF TOP OF SCREENED INT	Unknown
SURVEYED ELEV OF CASING TOP	4,161.83 feet above MSL

APPENDIX I

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

White Sands HTA
SDG: HTA-27
Lot #s: D7J040166 & D7J050164 & D7J130200

Richard Daddow

U.S. Geological Survey

TESTAMERICA DENVER

Lisa B. Antonczak
Project Manager

November 16, 2007

4955 Yarrow Street Arvada, CO 80002 **tel** 303.736.0100 **fax** 303.431.7171 **www.testamericainc.com**

Case Narrative
HTA-27

With exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory quality control samples analyzed in conjunction with the samples in this project were within established control limits, with any exceptions noted.

The test results presented in this report meet all requirements of NELAC, and any exceptions are noted. This report shall not be reproduced, except in full, without written permission from the laboratory.

Sample Receiving
Thirty-nine samples were received under chain of custody on October 4, 2007 and logged under lot D7J040166. Fifteen samples were received under chain of custody on October 5, 2007 and logged under lot D7J050164. Three samples were received under chain of custody on October 13, 2007 and logged under lot D7J130200. These lots are reported here under SDG HTA-27.

Samples logged under lot D7J040166 were received at temperatures of 2.8°C, 1.5°C, 1.9°C, 3.7°C, 1.7°C, 2.1°C, 4.0°C, 1.7°C, 2.4°C, 2.9°C, 3.8°C, 3.7°C and 2.3°C. Samples logged under lot D7J050164 were received at temperatures of 1.4°C, 2.9°C, 3.6°C, 3.8°C, 2.9°C and 1.9°C. Samples logged under lot D7J130200 were received at a temperature of 4.6°C.

Samples HTA-43, HTA-31, HTA-46, HTA-35, HTA-44 and HTA-30, requesting Orthophosphate analysis, were received at the laboratory on October 4, 2007 after the recommended sample holding time had expired. The laboratory proceeded with the requested analysis. The client was notified on October 9, 2007.

Sample EMRE2, requesting Orthophosphate analysis, was received at the laboratory on October 5, 2007 after the recommended sample holding time had expired. The laboratory proceeded with the requested analysis. The client was notified on October 9, 2007.

Samples SMR2 and SMR4, requesting Orthophosphate analysis, were received at the laboratory on October 13, 2007 after the recommended sample holding time had expired. The laboratory proceeded with the requested analysis. The client was notified on October 14, 2007.

No other anomalies were encountered during sample receipt.

LC/MS – Perchlorate, SW846 6860
Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Samples HTA-45 (D7J040166-001), HTA-16 (002), HTA-98 (003), HTA-43 (004), HTA-31 (005), HTA-50 (006), HTA-12 (008), HTA-10A (009), HTA-39 (010), HTA-42 (014), HTA-17 (015), HTA-15 (016), HTA-99 (017), HTA-4 (018), HTA-23 (019), HTA-13 (020), HTA-16D (021), HTA-11 (022), HTA-20 (023), HTA-25 (024), HTA-35 (025), HTA-44 (026), HTA-30 (027), HTA-41 (028), HTA-19 (029), HTA-18 (030), HTA-47A (031), HTA-51 (032), HTA-27 (033), HTA-37 (034), EMRE-1 (038), EMRE2 (D7J050164-001), HTA-22 (002), HTA-21 (003), HTA-14 (005), HTA-26 (011), HTA-29 (012), HTA-32 (013), HTA-28 (014) and HTA-3 (015) had to be analyzed at dilutions due to high constituent concentration of Perchlorate. The reporting limits have been adjusted relative to the dilutions required.

LC/MS – Perchlorate, SW846 6860 (cont.)
MS/MSD associated with QC batch 7283482 were performed on sample HTA-45 (D7J040166-001). All spike parameters were within QC control limits.

MS/MSD associated with QC batch 7284383 were performed on sample HTA-16D (D7J040166-021). All spike parameters were within QC control limits.

MS/MSD associated with QC batch 7296509 were performed on sample HTAWM (D7J050164-004), as requested. All spike parameters were within QC control limits.

MS/MSD associated with QC batch 7306435 were performed on a sample from another client and/or lot. All spike parameters were within QC control limits.

The closing LODV associated with QC batch 7296509 did not meet acceptance criteria with a recovery at 174% (limits 70-130%). As the closing CCV did meet the acceptance criteria with a recovery at 101.5% (limits 85-115%), and the detections in the associated samples were above the response (area counts) of the CCV at 200 ng/L, the data meets the required criteria and corrective action is deemed unnecessary.

No other anomalies were observed.

HPLC – Explosives, SW846 8330
The LCS/LCSD associated with QC batch 7281121 exhibited percent recoveries and/or RPD data outside the QC control limits for 2-Amino-4,6-dinitrotoluene, 4-Amino-2,6-dinitrotoluene, 1,3-Dinitrobenzene, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, Nitrobenzene, 1,3,5-Trinitrobenzene and 1,2-Dinitrobenzene. Upon re-extraction and reanalysis in QC batch 7303140, the LCS/LCSD were 100% in control. Both the original and reanalysis data have been provided, as re-extraction was unavoidably performed outside the recommended sample holding times.

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to analytes present above the linear calibration curve, samples HTA-16 (D7J040166-002), HTA-10A (009), HTA-17 (015), HTA-11 (022), HTA-20 (023) and HTA-14 (D7J050164-005) had to be analyzed at dilutions. The reporting limits have been adjusted relative to the dilutions required.

Surrogate 1,2-Dinitrobenzene was recovered below the QC control limits in samples HTA-43 (D7J040166-004) and HTA-30 (027). Upon re-extraction and reanalysis, the surrogate recoveries were 100% in control. Both the original and reanalysis data have been provided, as re-extraction was unavoidably performed outside the recommended sample holding times.

Surrogate recoveries could not be calculated for samples HTA-10A (009), HTA-11 (022) and HTA-20 (023), because the extracts were diluted beyond the ability to quantitate recoveries.

The RPD between the primary and confirmation columns exceeded 40% for 2,4-Dinitrotoluene in sample HTA-46 (D7J040166-013). The lower of the two values has been reported, as matrix interference is evident. The result in the analytical report has been flagged with "COL".

HPLC – Explosives, SW846 8330 (cont.)
The RPD between the primary and confirmation columns exceeded 40% for RDX in the initial analysis of sample HTA-30 (D7J040166-027). The lower of the two values has been reported, as matrix interference is evident. The result in the analytical report has been flagged with "COL".

The RPD between the primary and confirmation columns exceeded 40% for 2-Amino-4,6-dinitrotoluene in the re-analysis of sample HTA-37 (D7J040166-034). The lower of the two values has been reported, as matrix interference is evident. The result in the analytical report has been flagged with "COL".

MS/MSD associated with QC batch 7283201 were performed on sample HTAWM (D7J050164-004), as requested. All spike parameters were within QC control limits.

The method required MS/MSDs could not be performed for QC batches 7281121, 7281125, 7281424, 7283200, 7303140 and 7288188, due to insufficient sample volume. Method precision and accuracy have been verified by the acceptable LCS/LCSD analysis data.

The Continuing Calibration Verification (CCV) standards associated with QC batches 7281125 and7281424 exhibited %Difference (%D) values out of range for Nitrobenzene. The overall mean %D is within control limits; therefore, method criteria have been met and corrective action is deemed unnecessary.

The Continuing Calibration Verification (CCV) standards associated with QC batch 7303140 exhibited %Difference (%D) values out of range for Tetryl and Nitrobenzene. The overall mean %D is within control limits; therefore, method criteria have been met and corrective action is deemed unnecessary.

The Continuing Calibration Verification (CCV) standards associated with QC batch 7283201 exhibited a %Difference (%D) value out of range for Tetryl. The overall mean %D is within control limits; therefore, method criteria have been met and corrective action is deemed unnecessary.

No other anomalies were observed.

Total Metals, SW846 6010B/6020/7470A
Low levels of Cobalt, Selenium and Zinc are present in the method blanks associated with QC batches 7278246 and 7278247. Because the concentrations in the method blanks are not present at levels greater than the reporting limits, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Low levels of Zinc are present in the method blanks associated with QC batches 7278248 and 7282361. Because the concentrations in the method blanks are not present at levels greater than the reporting limits, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Low levels of Aluminum are present in the method blanks associated with QC batches 7278273 and 7290444. Because the concentrations in the method blanks are not present at levels greater than the reporting limits, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Total Metals, SW846 6010B/6020/7470A (cont.)
Low levels of Iron are present in the method blank associated with QC batch 7282375. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Low levels of Mercury are present in the method blank associated with QC batch 7289215. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Low levels of Cadmium, Cobalt, Lead, Selenium and Zinc are present in the method blank associated with QC batch 7290371. Because the concentrations in the method blank are not present at levels greater than the reporting limits, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

MS/MSDs associated with QC batches 7278246, 7278272 and 7289215 were performed on sample HTA-45 (D7J040166-001). All spike parameters were within QC control limits.

MS/MSDs associated with QC batches 7278247 and 7278273 were performed on sample HTA-42 (D7J040166-014). All spike parameters were within QC control limits.

MS/MSDs associated with QC batches 7278248 and 7278274 were performed on sample HTA-30 (D7J040166-027). All spike parameters were within QC control limits.

MS/MSD associated with QC batch 7289216 was performed on sample HTA-16D (D7J040166-021). All spike parameters were within QC control limits.

MS/MSDs associated with QC batches 72982361, 7282375 and 7289218 were performed on sample HTAMW (D7J050164-004), as requested. All spike parameters were within QC control limits; however, percent recoveries and RPD data could not be calculated for the Manganese and Iron MS/MSD, due to the sample concentrations reading greater than four times the spike amounts.

MS/MSDs associated with QC batches 7290371, 7290444 and 7292394 were performed on sample SMR2 (D7J130200-001). The MS/MSD associated with QC batch 7290444 exhibited percent recoveries outside the control limits for Aluminum. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

Silver was recovered outside the QC control limits in the Post Digestion Spike (PDS) performed on samples HTA-45 (D7J040166-001), HTA-42 (D7J040166-014), HTA-027 (D7J040166-027) and SMR2 (D7J130200-001). Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary. The laboratory strongly suspected matrix interference is the cause for these anomalies.

Total Metals, SW846 6010B/6020/7470A (cont.)
The serial dilution performed on sample SMR2 (D7J130200-001) in analytical batch 7290444 indicates that physical and chemical interferences are present for Iron. Results in the analytical report have been flagged with an "L".

No other anomalies were observed.

General Chemistry, Various Parameters
Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the methods. In some cases, due to high constituent concentrations, analyses had to be performed at dilutions. For analyses performed at dilutions due to high constituent concentrations, the results in the analytical report have been flagged with a "Q", and the reporting limits have been adjusted relative to the dilutions required.

Low levels of Total Alkalinity are present in the method blanks associated with QC batches 7279141, 7282447, 7282449, 7283437, 7291487 and 7293109. Because the concentrations in the method blanks are not present at levels greater than the reporting limits, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Low levels of Chloride are present in the method blank associated with QC batch 7278594. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Low levels of Total Dissolved Solids are present in the method blank associated with QC batch 7282618. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Low levels of Sulfate are present in the method blanks associated with QC batches 7279099 and 7305370. Because the concentrations in the method blanks are not present at levels greater than the reporting limits, corrective action is deemed unnecessary. The associated positive results in the analytical report have been flagged with a "J".

Please note that the recoveries for the Chloride MS/MSDs performed on samples HTA-50 (D7J040166-006) in QC batch 7278599, HTA-27 (D7J040166-033) in QC batch 7278603 and HTAWM (D7J050164-004) in QC batch 7279101 are within QC control limits; however, these are estimated values as the concentrations exceeded the calibration range. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

Please note that the recoveries for the Sulfate MS/MSDs performed on samples HTA-22 (D7J050164-002) in QC batch 7278606, HTAWM (D7J050164-004) in QC batch 7279099 and on a sample from another client and/or lot in QC batch 7305370 are within QC control limits; however, these are estimated values as the concentrations exceeded the calibration range. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

General Chemistry, Various Parameters (cont.)
Please note that the recoveries for the Sulfate (batch 7279099) MS/MSD performed on a sample from another client and/or lot are within QC control limits; however, these are estimated values as the concentrations exceeded the calibration range. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The MS/MSD analyses run on samples HTA-50 (D7J040166-006), HTA-27 (D7J040166-033) and HTAWM (D7J050164-004) exhibited percent recoveries and relative percent difference (RPD) data outside the control limits for Orthophosphate (batches 7278601, 7278605 and 7279103, respectively). Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The MS/MSD analyses run on sample HTA-50 (D7J040166-006) were in control for Bromide (batch 7278598), Fluoride (batch 7278600) and Sulfate (batch 7278135).

The MS/MSD analyses run on sample HTA-15 (D7J040166-016) were in control for Chloride (batch 7298553).

The MS/MSD analyses run on sample HTA-27 (D7J040166-033) were in control for Bromide (batch 7278602) and Fluoride (batch 7278604).

The MS/MSD analyses run on sample HTAWM (D7J050164-004) were in control for Bromide (batch 7279100), Fluoride (batch 7279102) and Nitrate-Nitrite (batch 7296371).

The MS/MSD analyses run on samples from other clients and/or lots exhibited percent recoveries and/or RPD data outside the control limits for Chloride (batch 7278594), Fluoride (batch 7278595), Orthophosphate (batches 7278596 and 7279122) and Sulfate (batch 7278597). Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

All other MS/MSDs were performed on samples from other clients and/or lots and were in control.

The sample duplicate analysis run on a sample from another client and/or lot exhibited relative percent difference (RPD) data outside the QC control limits for Bromide. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

The sample duplicate analyses run on samples HTA-45 (D7J040166-001), HTA-99 (D7J040166-017) and EMRE2 (D7J050164-001) were in control for Total Alkalinity (batches 7279141, 7282447 and 7282449).

The sample duplicate analyses run on samples HTA-16 (D7J040166-002), HTA-34 (D7J040166-007) and HTA-098 (D7J040166-003) were in control for Total Dissolved Solids (batches 7281482, 7282618 and 7282619).

The sample duplicate analysis run on a sample from another client and/or lot associated with QC batch 7289570 exhibited relative percent difference (RPD) data outside the QC control limits for Total Dissolved Solids. Method precision and accuracy has been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

General Chemistry, Various Parameters (cont.)
All other duplicates were performed on samples from other clients and/or lots and were in control.

No other anomalies were observed.

Quality Control Definitions of Terms

Term	Definition
Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD)	A volume of regent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. A LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. An LCSD is a second Laboratory Control Sample.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried throughout he entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.
Sample Duplicate	A second aliquot of an environmental sample, taken form the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative to the precision for other samples in the batch.
Method Detection Limit "MDL"	The method detection limit is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from replicate analyses of low level standards in a typical representative matrix.
Reporting Limit "RL"	The STL reporting limit is normally the lowest level at which measurements become quantitatively meaningful, ie., the quantitation limit, which is approximately three times the MDL. Some projects require RLs that are less than the quantitation limit to achieve particular maximum contaminant levels (MCLs) or relevant and appropriate requirements (ARARs), but RLs cannot be less than the statistically determined MDL.

Quality Control Definitions of Qualifiers

Qualifier	Definition
*	Surrogate or Relative Percent Difference (RPD) is outside control limits.
a	Spiked analyte recovery is outside control limits.
B	Organics: Method blank contamination. The associated method blank contains the target analyte at a reportable level. Inorganics: Estimated result. Result is less than the RL
COL	More than 40% difference between the primary and confirmation detector results. The lower of the two results is reported.
DIL	The concentration is estimated or not reported due to dilution.
E	Estimated result. Result concentrations exceeds the calibration range.
G	Inorganics: Elevated reporting limit. The reporting limit is elevated due to matrix interference.
J	Organics: Estimated result. Result is less than RL Inorganics: Method blank contamination. The associated method blank contains the target analyte at a reportable level.
L	Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present
N	Spiked analyte recovery is outside stated control limits.
NC	The recovery and/or RPD were not calculated.
ND	The analyte was not detected at the MDL concentration and with a measurable degree of confidence can be said not to be present at or above the RL concentration.
p	Relative percent difference (RPD) is outside stated control limits.
Q	Elevated reporting limit. The reporting limit is elevated due to high analyte levels.
V	General Chemistry: Elevated reporting limit due to limited sample volume.
Wa	Post digestion spike recovery fell between 40-85% due to matrix interference.
Wb	Post digestion spike recovery fell between 115-150% due to matrix interference.
I	Percent recovery is estimated since the results exceeded the calibration range.
T1	A tentatively identified compound that did not generate a spectral match of 80% or greater. Typically called "unknown"
T2	A tentatively identified compound with a spectral match of 80% or better
T3	A tentatively identified compound that was calibrated for by the lab, but not on the client target analyte list.
IC	Diluted due to high inorganic chloride.

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-45 10/02/07 15:40 001				
Perchlorate	3.2	1.0	ug/L	SW846 6860
Arsenic	0.47 B	5.0	ug/L	SW846 6020
Barium	30	1.0	ug/L	SW846 6020
Cobalt	0.14 B,J	1.0	ug/L	SW846 6020
Molybdenum	4.8	2.0	ug/L	SW846 6020
Nickel	1.0 B	2.0	ug/L	SW846 6020
Selenium	4.2 B,J	5.0	ug/L	SW846 6020
Zinc	3.0 B,J	10	ug/L	SW846 6020
Calcium	90000	200	ug/L	SW846 6010B
Potassium	2000 B	3000	ug/L	SW846 6010B
Magnesium	15000	200	ug/L	SW846 6010B
Sodium	56000	1000	ug/L	SW846 6010B
Vanadium	3.4 B	10	ug/L	SW846 6010B
Total Dissolved Solids	500	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	6.6	0.10	mg/L	MCAWW 353.2
Chloride	24 J	3.0	mg/L	MCAWW 300.0A
Sulfate	130 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.2	0.50	mg/L	MCAWW 300.0A
Bromide	0.16 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	160 J	5.0	mg/L	MCAWW 310.1
HTA-16 10/02/07 17:20 002				
HMX	0.44 J	0.80	ug/L	SW846 8330
RDX	30	0.40	ug/L	SW846 8330
Perchlorate	18000	5000	ug/L	SW846 6860
Barium	35	1.0	ug/L	SW846 6020
Cobalt	2.1 J	1.0	ug/L	SW846 6020
Chromium	0.53 B	2.0	ug/L	SW846 6020
Manganese	1.9	1.0	ug/L	SW846 6020
Molybdenum	12	2.0	ug/L	SW846 6020
Nickel	1.5 B	2.0	ug/L	SW846 6020
Lead	0.19 B	1.0	ug/L	SW846 6020
Selenium	4.1 B,J	5.0	ug/L	SW846 6020
Zinc	4.1 B,J	10	ug/L	SW846 6020
Mercury	0.049 B,J	0.20	ug/L	SW846 7470A
Aluminum	20 B	100	ug/L	SW846 6010B
Calcium	120000	200	ug/L	SW846 6010B
Iron	69 B	100	ug/L	SW846 6010B
Potassium	780 B	3000	ug/L	SW846 6010B
Magnesium	27000	200	ug/L	SW846 6010B
Sodium	66000	1000	ug/L	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-16 10/02/07 17:20 002				
Total Dissolved Solids	640	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	10 Q	0.50	mg/L	MCAWW 353.2
Chloride	43 J,Q	15	mg/L	MCAWW 300.0A
Sulfate	160 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.9	0.50	mg/L	MCAWW 300.0A
Bromide	0.26	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-98 10/03/07 10:30 003				
Perchlorate	19	5.0	ug/L	SW846 6860
Barium	31	1.0	ug/L	SW846 6020
Cobalt	0.15 B,J	1.0	ug/L	SW846 6020
Manganese	0.97 B	1.0	ug/L	SW846 6020
Molybdenum	11	2.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Selenium	3.9 B,J	5.0	ug/L	SW846 6020
Zinc	8.4 B,J	10	ug/L	SW846 6020
Aluminum	19 B	100	ug/L	SW846 6010B
Calcium	92000	200	ug/L	SW846 6010B
Iron	39 B	100	ug/L	SW846 6010B
Potassium	920 B	3000	ug/L	SW846 6010B
Magnesium	21000	200	ug/L	SW846 6010B
Sodium	66000	1000	ug/L	SW846 6010B
Total Dissolved Solids	550	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.5	0.10	mg/L	MCAWW 353.2
Chloride	31	3.0	mg/L	MCAWW 300.0A
Sulfate	150 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.4	0.50	mg/L	MCAWW 300.0A
Bromide	0.21	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-43 10/01/07 15:50 004				
Perchlorate	41	10	ug/L	SW846 6860
Barium	25	1.0	ug/L	SW846 6020
Cobalt	0.15 B,J	1.0	ug/L	SW846 6020
Chromium	0.55 B	2.0	ug/L	SW846 6020
Molybdenum	10	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020
Selenium	3.8 B,J	5.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-43 10/01/07 15:50 004				
Zinc	5.1 B,J	10	ug/L	SW846 6020
Calcium	96000	200	ug/L	SW846 6010B
Potassium	1200 B	3000	ug/L	SW846 6010B
Magnesium	23000	200	ug/L	SW846 6010B
Sodium	69000	1000	ug/L	SW846 6010B
Total Dissolved Solids	580	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.4	0.10	mg/L	MCAWW 353.2
Chloride	37	3.0	mg/L	MCAWW 300.0A
Sulfate	180 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.6	0.50	mg/L	MCAWW 300.0A
Bromide	0.23	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	200 J	5.0	mg/L	MCAWW 310.1
HTA-31 10/01/07 17:20 005				
Perchlorate	7.3	2.0	ug/L	SW846 6860
Barium	33	1.0	ug/L	SW846 6020
Cobalt	0.15 B,J	1.0	ug/L	SW846 6020
Manganese	0.68 B	1.0	ug/L	SW846 6020
Molybdenum	12	2.0	ug/L	SW846 6020
Nickel	1.3 B	2.0	ug/L	SW846 6020
Selenium	4.3 B,J	5.0	ug/L	SW846 6020
Zinc	3.5 B,J	10	ug/L	SW846 6020
Mercury	0.028 B,J	0.20	ug/L	SW846 7470A
Calcium	100000	200	ug/L	SW846 6010B
Potassium	790 B	3000	ug/L	SW846 6010B
Magnesium	23000	200	ug/L	SW846 6010B
Sodium	69000	1000	ug/L	SW846 6010B
Total Dissolved Solids	570	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	3.5	0.10	mg/L	MCAWW 353.2
Chloride	37	3.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.0	0.50	mg/L	MCAWW 300.0A
Bromide	0.23	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-50 10/03/07 13:40 006				
Perchlorate	2.4	1.0	ug/L	SW846 6860
Arsenic	0.60 B	5.0	ug/L	SW846 6020
Barium	43	1.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-50 10/03/07 13:40 006				
Cobalt	0.24 B,J	1.0	ug/L	SW846 6020
Chromium	3.9	2.0	ug/L	SW846 6020
Copper	3.9	2.0	ug/L	SW846 6020
Manganese	4.5	1.0	ug/L	SW846 6020
Molybdenum	6.6	2.0	ug/L	SW846 6020
Nickel	13	2.0	ug/L	SW846 6020
Lead	0.33 B	1.0	ug/L	SW846 6020
Antimony	0.14 B	2.0	ug/L	SW846 6020
Selenium	3.7 B,J	5.0	ug/L	SW846 6020
Zinc	33 J	10	ug/L	SW846 6020
Aluminum	46 B	100	ug/L	SW846 6010B
Calcium	81000	200	ug/L	SW846 6010B
Iron	180	100	ug/L	SW846 6010B
Potassium	2300 B	3000	ug/L	SW846 6010B
Magnesium	20000	200	ug/L	SW846 6010B
Sodium	54000	1000	ug/L	SW846 6010B
Vanadium	4.1 B	10	ug/L	SW846 6010B
Total Dissolved Solids	520	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	6.2	0.10	mg/L	MCAWW 353.2
Chloride	30	3.0	mg/L	MCAWW 300.0A
Sulfate	160 Q	25	mg/L	MCAWW 300.0A
Fluoride	2.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.18 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	160 J	5.0	mg/L	MCAWW 310.1
HTA-34 10/02/07 10:05 007				
Arsenic	0.22 B	5.0	ug/L	SW846 6020
Barium	59	1.0	ug/L	SW846 6020
Cobalt	0.16 B,J	1.0	ug/L	SW846 6020
Manganese	270	1.0	ug/L	SW846 6020
Molybdenum	6.7	2.0	ug/L	SW846 6020
Nickel	1.3 B	2.0	ug/L	SW846 6020
Lead	1.7	1.0	ug/L	SW846 6020
Antimony	0.10 B	2.0	ug/L	SW846 6020
Selenium	2.1 B,J	5.0	ug/L	SW846 6020
Zinc	3.5 B,J	10	ug/L	SW846 6020
Mercury	0.041 B,J	0.20	ug/L	SW846 7470A
Calcium	100000	200	ug/L	SW846 6010B
Iron	69 B	100	ug/L	SW846 6010B
Potassium	2700 B	3000	ug/L	SW846 6010B
Magnesium	24000	200	ug/L	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-34 10/02/07 10:05 007				
Sodium	69000	1000	ug/L	SW846 6010B
Total Dissolved Solids	600 J	10	mg/L	MCAWW 160.1
Chloride	31	3.0	mg/L	MCAWW 300.0A
Sulfate	160 Q	25	mg/L	MCAWW 300.0A
Fluoride	2.6	0.50	mg/L	MCAWW 300.0A
Bromide	0.24	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	280 J	5.0	mg/L	MCAWW 310.1
HTA-12 10/02/07 11:24 008				
Perchlorate	13	2.0	ug/L	SW846 6860
Barium	24	1.0	ug/L	SW846 6020
Cobalt	0.17 B,J	1.0	ug/L	SW846 6020
Manganese	1.0	1.0	ug/L	SW846 6020
Molybdenum	11	2.0	ug/L	SW846 6020
Nickel	1.3 B	2.0	ug/L	SW846 6020
Antimony	0.16 B	2.0	ug/L	SW846 6020
Selenium	3.4 B,J	5.0	ug/L	SW846 6020
Thallium	0.047 B	1.0	ug/L	SW846 6020
Zinc	4.8 B,J	10	ug/L	SW846 6020
Mercury	0.078 B,J	0.20	ug/L	SW846 7470A
Aluminum	22 B	100	ug/L	SW846 6010B
Calcium	110000	200	ug/L	SW846 6010B
Potassium	1300 B	3000	ug/L	SW846 6010B
Magnesium	28000	200	ug/L	SW846 6010B
Sodium	68000	1000	ug/L	SW846 6010B
Total Dissolved Solids	640 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	2.3	0.10	mg/L	MCAWW 353.2
Chloride	30	3.0	mg/L	MCAWW 300.0A
Sulfate	200 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.2	0.50	mg/L	MCAWW 300.0A
Bromide	0.24	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	250 J	5.0	mg/L	MCAWW 310.1
HTA-10A 10/02/07 12:40 009				
HMX	0.72 J	2.0	ug/L	SW846 8330
RDX	64	1.0	ug/L	SW846 8330
Perchlorate	15000	5000	ug/L	SW846 6860
Barium	31	1.0	ug/L	SW846 6020
Cadmium	0.075 B	1.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-10A 10/02/07 12:40 009				
Cobalt	1.7 J	1.0	ug/L	SW846 6020
Chromium	0.56 B	2.0	ug/L	SW846 6020
Manganese	1.6	1.0	ug/L	SW846 6020
Molybdenum	12	2.0	ug/L	SW846 6020
Nickel	1.5 B	2.0	ug/L	SW846 6020
Antimony	0.083 B	2.0	ug/L	SW846 6020
Selenium	5.1 J	5.0	ug/L	SW846 6020
Zinc	3.6 B,J	10	ug/L	SW846 6020
Aluminum	38 B	100	ug/L	SW846 6010B
Calcium	96000	200	ug/L	SW846 6010B
Iron	31 B	100	ug/L	SW846 6010B
Potassium	1200 B	3000	ug/L	SW846 6010B
Magnesium	25000	200	ug/L	SW846 6010B
Sodium	60000	1000	ug/L	SW846 6010B
Total Dissolved Solids	610 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	14 Q	0.50	mg/L	MCAWW 353.2
Chloride	27	3.0	mg/L	MCAWW 300.0A
Sulfate	140 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.1	0.50	mg/L	MCAWW 300.0A
Bromide	0.23	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	200 J	5.0	mg/L	MCAWW 310.1
HTA-39 10/02/07 14:00 010				
Perchlorate	2.0	0.50	ug/L	SW846 6860
Arsenic	0.47 B	5.0	ug/L	SW846 6020
Barium	46	1.0	ug/L	SW846 6020
Cobalt	0.23 B,J	1.0	ug/L	SW846 6020
Chromium	1.3 B	2.0	ug/L	SW846 6020
Manganese	19	1.0	ug/L	SW846 6020
Molybdenum	21	2.0	ug/L	SW846 6020
Nickel	1.8 B	2.0	ug/L	SW846 6020
Lead	0.53 B	1.0	ug/L	SW846 6020
Selenium	3.7 B,J	5.0	ug/L	SW846 6020
Zinc	4.7 B,J	10	ug/L	SW846 6020
Aluminum	21 B	100	ug/L	SW846 6010B
Calcium	90000	200	ug/L	SW846 6010B
Iron	51 B	100	ug/L	SW846 6010B
Potassium	2500 B	3000	ug/L	SW846 6010B
Magnesium	12000	200	ug/L	SW846 6010B
Sodium	56000	1000	ug/L	SW846 6010B
Vanadium	3.6 B	10	ug/L	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-39 10/02/07 14:00 010				
Total Dissolved Solids	480 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.2	0.10	mg/L	MCAWW 353.2
Chloride	37 J	3.0	mg/L	MCAWW 300.0A
Sulfate	120 Q	25	mg/L	MCAWW 300.0A
Fluoride	2.9	0.50	mg/L	MCAWW 300.0A
Bromide	0.30	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	160 J	5.0	mg/L	MCAWW 310.1
HTA-40 10/02/07 14:50 011				
Perchlorate	0.025 J	0.10	ug/L	SW846 6860
Barium	4.9	1.0	ug/L	SW846 6020
Cobalt	0.15 B,J	1.0	ug/L	SW846 6020
Chromium	0.83 B	2.0	ug/L	SW846 6020
Manganese	58	1.0	ug/L	SW846 6020
Molybdenum	0.41 B	2.0	ug/L	SW846 6020
Nickel	1.3 B	2.0	ug/L	SW846 6020
Lead	0.31 B	1.0	ug/L	SW846 6020
Antimony	0.074 B	2.0	ug/L	SW846 6020
Selenium	2.0 B,J	5.0	ug/L	SW846 6020
Zinc	5.6 B,J	10	ug/L	SW846 6020
Mercury	0.056 B,J	0.20	ug/L	SW846 7470A
Aluminum	34 B	100	ug/L	SW846 6010B
Calcium	85000	200	ug/L	SW846 6010B
Iron	78 B	100	ug/L	SW846 6010B
Potassium	2300 B	3000	ug/L	SW846 6010B
Magnesium	12000	200	ug/L	SW846 6010B
Sodium	62000	1000	ug/L	SW846 6010B
Total Dissolved Solids	430 J	10	mg/L	MCAWW 160.1
Chloride	25 J	3.0	mg/L	MCAWW 300.0A
Sulfate	60 Q	25	mg/L	MCAWW 300.0A
Fluoride	2.5	0.50	mg/L	MCAWW 300.0A
Bromide	0.18 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	250 J	5.0	mg/L	MCAWW 310.1
HTA-40EB 10/02/07 15:30 012				
Cobalt	0.027 B,J	1.0	ug/L	SW846 6020
Chromium	1.1 B	2.0	ug/L	SW846 6020
Manganese	0.54 B	1.0	ug/L	SW846 6020
Nickel	0.46 B	2.0	ug/L	SW846 6020

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-40EB 10/02/07 15:30 012				
Selenium	1.8 B,J	5.0	ug/L	SW846 6020
Zinc	3.3 B,J	10	ug/L	SW846 6020
Calcium	220	200	ug/L	SW846 6010B
Chloride	0.56 B,J	3.0	mg/L	MCAWW 300.0A
Sulfate	0.35 B	5.0	mg/L	MCAWW 300.0A
Fluoride	0.066 B	0.50	mg/L	MCAWW 300.0A
HTA-46 10/01/07 14:30 013				
2,4-Dinitrotoluene	0.16	0.40	ug/L	SW846 8330
	Qualifiers: J,COL			
Barium	26	1.0	ug/L	SW846 6020
Cobalt	0.14 B,J	1.0	ug/L	SW846 6020
Manganese	26	1.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Selenium	2.1 B,J	5.0	ug/L	SW846 6020
Zinc	3.0 B,J	10	ug/L	SW846 6020
Calcium	85000	200	ug/L	SW846 6010B
Potassium	2400 B	3000	ug/L	SW846 6010B
Magnesium	21000	200	ug/L	SW846 6010B
Sodium	75000	1000	ug/L	SW846 6010B
Total Dissolved Solids	530	10	mg/L	MCAWW 160.1
Chloride	45	3.0	mg/L	MCAWW 300.0A
Sulfate	99 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.0	0.50	mg/L	MCAWW 300.0A
Phosphate as P, Ortho	0.59	0.50	mg/L	MCAWW 300.0A
Bromide	0.25	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	270 J	5.0	mg/L	MCAWW 310.1
HTA-42 10/02/07 13:55 014				
Perchlorate	5.1	2.0	ug/L	SW846 6860
Arsenic	0.28 B	5.0	ug/L	SW846 6020
Barium	35	1.0	ug/L	SW846 6020
Cobalt	0.13 B,J	1.0	ug/L	SW846 6020
Chromium	0.55 B	2.0	ug/L	SW846 6020
Molybdenum	3.7	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020
Selenium	3.5 B,J	5.0	ug/L	SW846 6020
Zinc	3.1 B,J	10	ug/L	SW846 6020
Aluminum	44 B,J	100	ug/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-42 10/02/07 13:55 014				
Calcium	92000	200	ug/L	SW846 6010B
Iron	180	100	ug/L	SW846 6010B
Potassium	1800 B	3000	ug/L	SW846 6010B
Magnesium	14000	200	ug/L	SW846 6010B
Sodium	59000	1000	ug/L	SW846 6010B
Vanadium	3.3 B	10	ug/L	SW846 6010B
Total Dissolved Solids	520 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.2	0.10	mg/L	MCAWW 353.2
Chloride	26 J	3.0	mg/L	MCAWW 300.0A
Sulfate	130 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.9	0.50	mg/L	MCAWW 300.0A
Bromide	0.17 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	190 J	5.0	mg/L	MCAWW 310.1
HTA-17 10/02/07 16:45 015				
RDX	38	0.40	ug/L	SW846 8330
Perchlorate	15000	5000	ug/L	SW846 6860
Barium	38	1.0	ug/L	SW846 6020
Cobalt	1.8 J	1.0	ug/L	SW846 6020
Chromium	0.55 B	2.0	ug/L	SW846 6020
Molybdenum	9.7	2.0	ug/L	SW846 6020
Nickel	1.5 B	2.0	ug/L	SW846 6020
Selenium	3.7 B,J	5.0	ug/L	SW846 6020
Zinc	6.0 B,J	10	ug/L	SW846 6020
Calcium	110000	200	ug/L	SW846 6010B
Potassium	1200 B	3000	ug/L	SW846 6010B
Magnesium	26000	200	ug/L	SW846 6010B
Sodium	65000	1000	ug/L	SW846 6010B
Total Dissolved Solids	670 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	13 Q	0.50	mg/L	MCAWW 353.2
Chloride	46 J	3.0	mg/L	MCAWW 300.0A
Sulfate	160 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.7	0.50	mg/L	MCAWW 300.0A
Bromide	0.24	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-15 10/03/07 10:15 016				
RDX	19	0.20	ug/L	SW846 8330
Perchlorate	21000	5000	ug/L	SW846 6860
Barium	35	1.0	ug/L	SW846 6020
Cobalt	2.5 J	1.0	ug/L	SW846 6020
Manganese	0.90 B	1.0	ug/L	SW846 6020
Molybdenum	7.6	2.0	ug/L	SW846 6020
Nickel	1.6 B	2.0	ug/L	SW846 6020
Lead	0.21 B	1.0	ug/L	SW846 6020
Antimony	0.087 B	2.0	ug/L	SW846 6020
Selenium	3.7 B,J	5.0	ug/L	SW846 6020
Zinc	4.2 B,J	10	ug/L	SW846 6020
Mercury	0.034 B,J	0.20	ug/L	SW846 7470A
Calcium	110000	200	ug/L	SW846 6010B
Potassium	1200 B	3000	ug/L	SW846 6010B
Magnesium	26000	200	ug/L	SW846 6010B
Sodium	65000	1000	ug/L	SW846 6010B
Total Dissolved Solids	660	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	10 Q	0.50	mg/L	MCAWW 353.2
Chloride	53 Q	6.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.8	0.50	mg/L	MCAWW 300.0A
Bromide	0.21	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	200 J	5.0	mg/L	MCAWW 310.1
HTA-99 10/03/07 10:20 017				
RDX	17	0.20	ug/L	SW846 8330
Perchlorate	21000	5000	ug/L	SW846 6860
Barium	35	1.0	ug/L	SW846 6020
Cobalt	2.4 J	1.0	ug/L	SW846 6020
Chromium	0.56 B	2.0	ug/L	SW846 6020
Manganese	1.5	1.0	ug/L	SW846 6020
Molybdenum	7.3	2.0	ug/L	SW846 6020
Nickel	1.6 B	2.0	ug/L	SW846 6020
Lead	0.21 B	1.0	ug/L	SW846 6020
Antimony	0.075 B	2.0	ug/L	SW846 6020
Selenium	3.5 B,J	5.0	ug/L	SW846 6020
Zinc	4.2 B,J	10	ug/L	SW846 6020
Mercury	0.063 B,J	0.20	ug/L	SW846 7470A
Aluminum	45 B,J	100	ug/L	SW846 6010B
Calcium	110000	200	ug/L	SW846 6010B
Potassium	1200 B	3000	ug/L	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-99 10/03/07 10:20 017				
Magnesium	25000	200	ug/L	SW846 6010B
Sodium	65000	1000	ug/L	SW846 6010B
Total Dissolved Solids	670	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	11 Q	0.50	mg/L	MCAWW 353.2
Chloride	54 Q	6.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.8	0.50	mg/L	MCAWW 300.0A
Bromide	0.25	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	200 J	5.0	mg/L	MCAWW 310.1
HTA-4 10/03/07 10:25 018				
Perchlorate	24	10	ug/L	SW846 6860
Barium	28	1.0	ug/L	SW846 6020
Cobalt	0.13 B,J	1.0	ug/L	SW846 6020
Manganese	0.98 B	1.0	ug/L	SW846 6020
Molybdenum	9.7	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020
Selenium	3.6 B,J	5.0	ug/L	SW846 6020
Zinc	8.5 B,J	10	ug/L	SW846 6020
Mercury	0.038 B,J	0.20	ug/L	SW846 7470A
Aluminum	23 B,J	100	ug/L	SW846 6010B
Calcium	92000	200	ug/L	SW846 6010B
Iron	57 B	100	ug/L	SW846 6010B
Potassium	830 B	3000	ug/L	SW846 6010B
Magnesium	21000	200	ug/L	SW846 6010B
Sodium	66000	1000	ug/L	SW846 6010B
Total Dissolved Solids	550	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.2	0.10	mg/L	MCAWW 353.2
Chloride	31	3.0	mg/L	MCAWW 300.0A
Sulfate	150 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.4	0.50	mg/L	MCAWW 300.0A
Bromide	0.21	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-23 10/02/07 14:25 019				
Perchlorate	120	50	ug/L	SW846 6860
Barium	56	1.0	ug/L	SW846 6020
Cadmium	0.067 B	1.0	ug/L	SW846 6020
Cobalt	0.18 B,J	1.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-23 10/02/07 14:25 019				
Manganese	13	1.0	ug/L	SW846 6020
Molybdenum	15	2.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Lead	1.1	1.0	ug/L	SW846 6020
Selenium	2.9 B,J	5.0	ug/L	SW846 6020
Thallium	0.060 B	1.0	ug/L	SW846 6020
Zinc	5.2 B,J	10	ug/L	SW846 6020
Mercury	0.035 B,J	0.20	ug/L	SW846 7470A
Aluminum	28 B,J	100	ug/L	SW846 6010B
Calcium	82000	200	ug/L	SW846 6010B
Potassium	2800 B	3000	ug/L	SW846 6010B
Magnesium	19000	200	ug/L	SW846 6010B
Sodium	51000	1000	ug/L	SW846 6010B
Total Dissolved Solids	460 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	1.6	0.10	mg/L	MCAWW 353.2
Chloride	22 J	3.0	mg/L	MCAWW 300.0A
Sulfate	100 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.5	0.50	mg/L	MCAWW 300.0A
Bromide	0.18 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-13 10/02/07 15:35 020				
RDX	1.6	0.20	ug/L	SW846 8330
Perchlorate	12000	2000	ug/L	SW846 6860
Barium	37	1.0	ug/L	SW846 6020
Cobalt	0.16 B,J	1.0	ug/L	SW846 6020
Molybdenum	17	2.0	ug/L	SW846 6020
Nickel	1.3 B	2.0	ug/L	SW846 6020
Lead	0.21 B	1.0	ug/L	SW846 6020
Selenium	3.2 B,J	5.0	ug/L	SW846 6020
Zinc	4.7 B,J	10	ug/L	SW846 6020
Mercury	0.045 B,J	0.20	ug/L	SW846 7470A
Aluminum	27 B,J	100	ug/L	SW846 6010B
Calcium	94000	200	ug/L	SW846 6010B
Potassium	1400 B	3000	ug/L	SW846 6010B
Magnesium	25000	200	ug/L	SW846 6010B
Sodium	57000	1000	ug/L	SW846 6010B
Total Dissolved Solids	560 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	5.4	0.10	mg/L	MCAWW 353.2
Chloride	31 J	3.0	mg/L	MCAWW 300.0A

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-13 10/02/07 15:35 020				
Sulfate	140 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.8	0.50	mg/L	MCAWW 300.0A
Bromide	0.22	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-16D 10/03/07 11:15 021				
HMX	0.20 J	0.40	ug/L	SW846 8330
RDX	25	0.20	ug/L	SW846 8330
Perchlorate	18000	5000	ug/L	SW846 6860
Arsenic	0.21 B	5.0	ug/L	SW846 6020
Barium	36	1.0	ug/L	SW846 6020
Cobalt	2.1 J	1.0	ug/L	SW846 6020
Manganese	0.59 B	1.0	ug/L	SW846 6020
Molybdenum	6.6	2.0	ug/L	SW846 6020
Nickel	1.4 B	2.0	ug/L	SW846 6020
Selenium	3.5 B,J	5.0	ug/L	SW846 6020
Zinc	3.7 B,J	10	ug/L	SW846 6020
Mercury	0.045 B	0.20	ug/L	SW846 7470A
Aluminum	63 B,J	100	ug/L	SW846 6010B
Calcium	110000	200	ug/L	SW846 6010B
Potassium	1300 B	3000	ug/L	SW846 6010B
Magnesium	25000	200	ug/L	SW846 6010B
Sodium	68000	1000	ug/L	SW846 6010B
Total Dissolved Solids	650	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	9.3 Q	0.50	mg/L	MCAWW 353.2
Chloride	51 Q	6.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.7	0.50	mg/L	MCAWW 300.0A
Bromide	0.25	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-11 10/02/07 14:35 022				
HMX	1.2 J	2.0	ug/L	SW846 8330
RDX	110	1.0	ug/L	SW846 8330
Perchlorate	21000	5000	ug/L	SW846 6860
Arsenic	0.22 B	5.0	ug/L	SW846 6020
Barium	34	1.0	ug/L	SW846 6020
Cobalt	2.4 J	1.0	ug/L	SW846 6020
Manganese	0.75 B	1.0	ug/L	SW846 6020
Molybdenum	13	2.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-11 10/02/07 14:35 022				
Nickel	1.3 B	2.0	ug/L	SW846 6020
Antimony	0.39 B	2.0	ug/L	SW846 6020
Selenium	3.5 B,J	5.0	ug/L	SW846 6020
Zinc	150 J	10	ug/L	SW846 6020
Mercury	0.032 B	0.20	ug/L	SW846 7470A
Aluminum	52 B,J	100	ug/L	SW846 6010B
Calcium	100000	200	ug/L	SW846 6010B
Iron	290	100	ug/L	SW846 6010B
Potassium	950 B	3000	ug/L	SW846 6010B
Magnesium	26000	200	ug/L	SW846 6010B
Sodium	64000	1000	ug/L	SW846 6010B
Total Dissolved Solids	620 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	12 Q	0.50	mg/L	MCAWW 353.2
Chloride	31 J	3.0	mg/L	MCAWW 300.0A
Sulfate	140 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.24	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-20 10/02/07 16:20 023				
HMX	0.53 J	2.0	ug/L	SW846 8330
RDX	46	1.0	ug/L	SW846 8330
Perchlorate	20000	5000	ug/L	SW846 6860
Arsenic	0.84 B	5.0	ug/L	SW846 6020
Barium	28	1.0	ug/L	SW846 6020
Cobalt	2.8 J	1.0	ug/L	SW846 6020
Manganese	2.7	1.0	ug/L	SW846 6020
Molybdenum	9.6	2.0	ug/L	SW846 6020
Nickel	1.4 B	2.0	ug/L	SW846 6020
Antimony	1.9 B	2.0	ug/L	SW846 6020
Selenium	3.1 B,J	5.0	ug/L	SW846 6020
Zinc	140 J	10	ug/L	SW846 6020
Calcium	110000	200	ug/L	SW846 6010B
Iron	31 B	100	ug/L	SW846 6010B
Potassium	850 B	3000	ug/L	SW846 6010B
Magnesium	28000	200	ug/L	SW846 6010B
Sodium	71000	1000	ug/L	SW846 6010B
Total Dissolved Solids	650 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	9.1 Q	0.50	mg/L	MCAWW 353.2
Chloride	38 J	3.0	mg/L	MCAWW 300.0A

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-20 10/02/07 16:20 023				
Sulfate	160 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.9	0.50	mg/L	MCAWW 300.0A
Bromide	0.84	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	240 J	5.0	mg/L	MCAWW 310.1
HTA-25 10/02/07 17:35 024				
RDX	2.4	0.20	ug/L	SW846 8330
Perchlorate	5700	1000	ug/L	SW846 6860
Barium	34	1.0	ug/L	SW846 6020
Cadmium	0.13 B	1.0	ug/L	SW846 6020
Cobalt	2.2 J	1.0	ug/L	SW846 6020
Copper	2.6	2.0	ug/L	SW846 6020
Manganese	500	1.0	ug/L	SW846 6020
Molybdenum	15	2.0	ug/L	SW846 6020
Nickel	2.5	2.0	ug/L	SW846 6020
Lead	2.9	1.0	ug/L	SW846 6020
Selenium	2.8 B,J	5.0	ug/L	SW846 6020
Zinc	250 J	10	ug/L	SW846 6020
Mercury	0.038 B	0.20	ug/L	SW846 7470A
Aluminum	34 B,J	100	ug/L	SW846 6010B
Calcium	120000	200	ug/L	SW846 6010B
Iron	300	100	ug/L	SW846 6010B
Potassium	2000 B	3000	ug/L	SW846 6010B
Magnesium	28000	200	ug/L	SW846 6010B
Sodium	86000	1000	ug/L	SW846 6010B
Total Dissolved Solids	680 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.0	0.10	mg/L	MCAWW 353.2
Chloride	49 J	3.0	mg/L	MCAWW 300.0A
Sulfate	180 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.4	0.50	mg/L	MCAWW 300.0A
Bromide	0.27	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	260 J	5.0	mg/L	MCAWW 310.1
HTA-35 10/01/07 14:35 025				
Perchlorate	2.5	0.50	ug/L	SW846 6860
Barium	11	1.0	ug/L	SW846 6020
Cobalt	0.15 B,J	1.0	ug/L	SW846 6020
Chromium	0.53 B	2.0	ug/L	SW846 6020
Copper	0.74 B	2.0	ug/L	SW846 6020
Manganese	0.54 B	1.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-35 10/01/07 14:35 025				
Molybdenum	21	2.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Selenium	2.5 B,J	5.0	ug/L	SW846 6020
Zinc	4.2 B,J	10	ug/L	SW846 6020
Calcium	100000	200	ug/L	SW846 6010B
Potassium	2600 B	3000	ug/L	SW846 6010B
Magnesium	17000	200	ug/L	SW846 6010B
Sodium	57000	1000	ug/L	SW846 6010B
Vanadium	2.7 B	10	ug/L	SW846 6010B
Total Dissolved Solids	530	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	2.2	0.10	mg/L	MCAWW 353.2
Chloride	33	3.0	mg/L	MCAWW 300.0A
Sulfate	180 Q	25	mg/L	MCAWW 300.0A
Fluoride	2.7	0.50	mg/L	MCAWW 300.0A
Bromide	0.21	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	190 J	5.0	mg/L	MCAWW 310.1
HTA-44 10/01/07 15:50 026				
Perchlorate	1.1	0.50	ug/L	SW846 6860
Arsenic	0.91 B	5.0	ug/L	SW846 6020
Barium	7.8	1.0	ug/L	SW846 6020
Cobalt	0.14 B,J	1.0	ug/L	SW846 6020
Copper	0.59 B	2.0	ug/L	SW846 6020
Manganese	20	1.0	ug/L	SW846 6020
Molybdenum	24	2.0	ug/L	SW846 6020
Nickel	1.4 B	2.0	ug/L	SW846 6020
Lead	0.21 B	1.0	ug/L	SW846 6020
Antimony	0.37 B	2.0	ug/L	SW846 6020
Selenium	13 J	5.0	ug/L	SW846 6020
Thallium	0.039 B	1.0	ug/L	SW846 6020
Zinc	4.4 B,J	10	ug/L	SW846 6020
Mercury	0.10 B	0.20	ug/L	SW846 7470A
Aluminum	26 B,J	100	ug/L	SW846 6010B
Calcium	88000	200	ug/L	SW846 6010B
Potassium	2000 B	3000	ug/L	SW846 6010B
Magnesium	14000	200	ug/L	SW846 6010B
Sodium	56000	1000	ug/L	SW846 6010B
Total Dissolved Solids	480	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	0.60	0.10	mg/L	MCAWW 353.2
Chloride	25	3.0	mg/L	MCAWW 300.0A

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-44 10/01/07 15:50 026				
Sulfate	150 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.0	0.50	mg/L	MCAWW 300.0A
Bromide	0.19 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	180 J	5.0	mg/L	MCAWW 310.1
HTA-30 10/01/07 16:35 027				
RDX	0.18	0.20	ug/L	SW846 8330
	Qualifiers: J,COL			
RDX	0.30	0.20	ug/L	SW846 8330
Perchlorate	1500	500	ug/L	SW846 6860
Barium	33	1.0	ug/L	SW846 6020
Cobalt	0.25 B	1.0	ug/L	SW846 6020
Chromium	0.65 B	2.0	ug/L	SW846 6020
Molybdenum	15	2.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Selenium	2.0 B	5.0	ug/L	SW846 6020
Zinc	2.9 B,J	10	ug/L	SW846 6020
Calcium	86000	200	ug/L	SW846 6010B
Potassium	1000 B	3000	ug/L	SW846 6010B
Magnesium	23000	200	ug/L	SW846 6010B
Sodium	58000	1000	ug/L	SW846 6010B
Total Dissolved Solids	530	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	5.7	0.10	mg/L	MCAWW 353.2
Chloride	20	3.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.1	0.50	mg/L	MCAWW 300.0A
Bromide	0.17 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	180 J	5.0	mg/L	MCAWW 310.1
HTA-41 10/03/07 11:25 028				
Perchlorate	3.4	0.50	ug/L	SW846 6860
Arsenic	0.32 B	5.0	ug/L	SW846 6020
Barium	32	1.0	ug/L	SW846 6020
Cobalt	0.21 B	1.0	ug/L	SW846 6020
Chromium	0.71 B	2.0	ug/L	SW846 6020
Manganese	16	1.0	ug/L	SW846 6020
Molybdenum	6.0	2.0	ug/L	SW846 6020
Nickel	1.4 B	2.0	ug/L	SW846 6020
Lead	1.3	1.0	ug/L	SW846 6020
Selenium	1.9 B	5.0	ug/L	SW846 6020

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-41 10/03/07 11:25 028				
Zinc	6.3 B,J	10	ug/L	SW846 6020
Aluminum	32 B	100	ug/L	SW846 6010B
Calcium	94000	200	ug/L	SW846 6010B
Iron	48 B	100	ug/L	SW846 6010B
Potassium	1900 B	3000	ug/L	SW846 6010B
Magnesium	15000	200	ug/L	SW846 6010B
Sodium	54000	1000	ug/L	SW846 6010B
Vanadium	3.1 B	10	ug/L	SW846 6010B
Total Dissolved Solids	530	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	5.8	0.10	mg/L	MCAWW 353.2
Chloride	26	3.0	mg/L	MCAWW 300.0A
Sulfate	140 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.2	0.50	mg/L	MCAWW 300.0A
Phosphate as P, Ortho	0.62	0.50	mg/L	MCAWW 300.0A
Bromide	0.18 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	190 J	5.0	mg/L	MCAWW 310.1
HTA-19 10/03/07 12:20 029				
RDX	0.24	0.20	ug/L	SW846 8330
Perchlorate	8300	1000	ug/L	SW846 6860
Barium	35	1.0	ug/L	SW846 6020
Cobalt	0.74 B	1.0	ug/L	SW846 6020
Manganese	0.37 B	1.0	ug/L	SW846 6020
Molybdenum	7.3	2.0	ug/L	SW846 6020
Nickel	1.6 B	2.0	ug/L	SW846 6020
Selenium	3.7 B	5.0	ug/L	SW846 6020
Zinc	5.2 B,J	10	ug/L	SW846 6020
Calcium	110000	200	ug/L	SW846 6010B
Potassium	1400 B	3000	ug/L	SW846 6010B
Magnesium	26000	200	ug/L	SW846 6010B
Sodium	63000	1000	ug/L	SW846 6010B
Total Dissolved Solids	670	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	20 Q	0.50	mg/L	MCAWW 353.2
Chloride	43	3.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.2	0.50	mg/L	MCAWW 300.0A
Bromide	0.29	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	180 J	5.0	mg/L	MCAWW 310.1

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-18 10/03/07 13:20 030				
RDX	0.082 J	0.20	ug/L	SW846 8330
Perchlorate	4400	1000	ug/L	SW846 6860
Barium	36	1.0	ug/L	SW846 6020
Cobalt	0.32 B	1.0	ug/L	SW846 6020
Manganese	0.81 B	1.0	ug/L	SW846 6020
Molybdenum	14	2.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Selenium	2.8 B	5.0	ug/L	SW846 6020
Zinc	3.3 B,J	10	ug/L	SW846 6020
Calcium	93000	200	ug/L	SW846 6010B
Iron	24 B	100	ug/L	SW846 6010B
Potassium	1100 B	3000	ug/L	SW846 6010B
Magnesium	21000	200	ug/L	SW846 6010B
Sodium	59000	1000	ug/L	SW846 6010B
Total Dissolved Solids	570	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	13 Q	0.50	mg/L	MCAWW 353.2
Chloride	36	3.0	mg/L	MCAWW 300.0A
Sulfate	150 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.2	0.50	mg/L	MCAWW 300.0A
Bromide	0.25	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	200 J	5.0	mg/L	MCAWW 310.1
HTA-47A 10/03/07 12:05 031				
Perchlorate	2.9	0.50	ug/L	SW846 6860
Barium	37	1.0	ug/L	SW846 6020
Cobalt	0.18 B	1.0	ug/L	SW846 6020
Chromium	0.94 B	2.0	ug/L	SW846 6020
Manganese	2.5	1.0	ug/L	SW846 6020
Molybdenum	6.7	2.0	ug/L	SW846 6020
Nickel	1.4 B	2.0	ug/L	SW846 6020
Lead	0.39 B	1.0	ug/L	SW846 6020
Antimony	0.092 B	2.0	ug/L	SW846 6020
Selenium	1.3 B	5.0	ug/L	SW846 6020
Thallium	0.021 B	1.0	ug/L	SW846 6020
Zinc	6.7 B,J	10	ug/L	SW846 6020
Aluminum	48 B	100	ug/L	SW846 6010B
Calcium	93000	200	ug/L	SW846 6010B
Iron	50 B	100	ug/L	SW846 6010B
Potassium	3900	3000	ug/L	SW846 6010B
Magnesium	19000	200	ug/L	SW846 6010B
Sodium	56000	1000	ug/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-47A 10/03/07 12:05 031				
Total Dissolved Solids	520	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	2.7	0.10	mg/L	MCAWW 353.2
Chloride	27	3.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	2.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.18 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	170 J	5.0	mg/L	MCAWW 310.1
HTA-51 10/03/07 13:00 032				
Perchlorate	35	10	ug/L	SW846 6860
Barium	25	1.0	ug/L	SW846 6020
Cobalt	0.17 B	1.0	ug/L	SW846 6020
Chromium	0.53 B	2.0	ug/L	SW846 6020
Manganese	0.91 B	1.0	ug/L	SW846 6020
Molybdenum	5.3	2.0	ug/L	SW846 6020
Nickel	1.3 B	2.0	ug/L	SW846 6020
Lead	0.45 B	1.0	ug/L	SW846 6020
Selenium	1.9 B	5.0	ug/L	SW846 6020
Zinc	3.7 B,J	10	ug/L	SW846 6020
Aluminum	28 B	100	ug/L	SW846 6010B
Calcium	110000	200	ug/L	SW846 6010B
Iron	38 B	100	ug/L	SW846 6010B
Potassium	1400 B	3000	ug/L	SW846 6010B
Magnesium	27000	200	ug/L	SW846 6010B
Sodium	70000	1000	ug/L	SW846 6010B
Total Dissolved Solids	650	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	3.7	0.10	mg/L	MCAWW 353.2
Chloride	35	3.0	mg/L	MCAWW 300.0A
Sulfate	200 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.1	0.50	mg/L	MCAWW 300.0A
Bromide	0.22	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	240 J	5.0	mg/L	MCAWW 310.1
HTA-27 10/03/07 14:00 033				
Perchlorate	50	10	ug/L	SW846 6860
Barium	39	1.0	ug/L	SW846 6020
Cobalt	0.19 B	1.0	ug/L	SW846 6020
Chromium	0.56 B	2.0	ug/L	SW846 6020
Manganese	14	1.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-27 10/03/07 14:00 033				
Molybdenum	24	2.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Lead	0.47 B	1.0	ug/L	SW846 6020
Thallium	0.024 B	1.0	ug/L	SW846 6020
Zinc	5.7 B,J	10	ug/L	SW846 6020
Aluminum	47 B	100	ug/L	SW846 6010B
Calcium	86000	200	ug/L	SW846 6010B
Potassium	2100 B	3000	ug/L	SW846 6010B
Magnesium	22000	200	ug/L	SW846 6010B
Sodium	45000	1000	ug/L	SW846 6010B
Total Dissolved Solids	480	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	0.61	0.10	mg/L	MCAWW 353.2
Chloride	31	3.0	mg/L	MCAWW 300.0A
Sulfate	140 Q	25	mg/L	MCAWW 300.0A
Fluoride	2.7	0.50	mg/L	MCAWW 300.0A
Bromide	0.19 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	180 J	5.0	mg/L	MCAWW 310.1
HTA-37 10/02/07 12:30 034				
2-Amino-4,6-dinitrotoluene	0.50	0.20	ug/L	SW846 8330
2-Amino-4,6-dinitrotoluene	0.45 COL	0.20	ug/L	SW846 8330
Perchlorate	2.4	1.0	ug/L	SW846 6860
Barium	4.5	1.0	ug/L	SW846 6020
Cobalt	0.14 B	1.0	ug/L	SW846 6020
Copper	0.71 B	2.0	ug/L	SW846 6020
Manganese	45	1.0	ug/L	SW846 6020
Molybdenum	17	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020
Lead	0.29 B	1.0	ug/L	SW846 6020
Selenium	1.1 B	5.0	ug/L	SW846 6020
Zinc	3.8 B,J	10	ug/L	SW846 6020
Aluminum	85 B	100	ug/L	SW846 6010B
Calcium	81000	200	ug/L	SW846 6010B
Potassium	2600 B	3000	ug/L	SW846 6010B
Magnesium	12000	200	ug/L	SW846 6010B
Sodium	42000	1000	ug/L	SW846 6010B
Total Dissolved Solids	420 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	2.2	0.10	mg/L	MCAWW 353.2

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-37 10/02/07 12:30 034				
Chloride	17 J	3.0	mg/L	MCAWW 300.0A
Sulfate	86 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.7	0.50	mg/L	MCAWW 300.0A
Bromide	0.15 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	190 J	5.0	mg/L	MCAWW 310.1
HTA-36 10/02/07 13:10 035				
RDX	1.2	0.20	ug/L	SW846 8330
Perchlorate	0.075 J	0.10	ug/L	SW846 6860
Arsenic	0.23 B	5.0	ug/L	SW846 6020
Barium	25	1.0	ug/L	SW846 6020
Cobalt	0.36 B	1.0	ug/L	SW846 6020
Chromium	0.94 B	2.0	ug/L	SW846 6020
Copper	0.73 B	2.0	ug/L	SW846 6020
Manganese	300	1.0	ug/L	SW846 6020
Molybdenum	16	2.0	ug/L	SW846 6020
Nickel	1.6 B	2.0	ug/L	SW846 6020
Lead	0.91 B	1.0	ug/L	SW846 6020
Zinc	9.4 B,J	10	ug/L	SW846 6020
Aluminum	170	100	ug/L	SW846 6010B
Calcium	85000	200	ug/L	SW846 6010B
Iron	300	100	ug/L	SW846 6010B
Potassium	4500	3000	ug/L	SW846 6010B
Magnesium	14000	200	ug/L	SW846 6010B
Sodium	47000	1000	ug/L	SW846 6010B
Total Dissolved Solids	430 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	0.13	0.10	mg/L	MCAWW 353.2
Chloride	15 J	3.0	mg/L	MCAWW 300.0A
Sulfate	77 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.6	0.50	mg/L	MCAWW 300.0A
Bromide	0.13 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	230 J	5.0	mg/L	MCAWW 310.1
HTA-48 10/03/07 10:20 036				
Perchlorate	1.1	0.10	ug/L	SW846 6860
Barium	54	1.0	ug/L	SW846 6020
Cobalt	0.18 B	1.0	ug/L	SW846 6020
Chromium	0.62 B	2.0	ug/L	SW846 6020
Manganese	160	1.0	ug/L	SW846 6020
Molybdenum	2.9	2.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-48 10/03/07 10:20 036				
Nickel	1.7 B	2.0	ug/L	SW846 6020
Zinc	3.4 B,J	10	ug/L	SW846 6020
Aluminum	44 B	100	ug/L	SW846 6010B
Calcium	100000	200	ug/L	SW846 6010B
Iron	130	100	ug/L	SW846 6010B
Potassium	2800 B	3000	ug/L	SW846 6010B
Magnesium	11000	200	ug/L	SW846 6010B
Sodium	61000	1000	ug/L	SW846 6010B
Total Dissolved Solids	520	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	1.8	0.10	mg/L	MCAWW 353.2
Chloride	18 J	3.0	mg/L	MCAWW 300.0A
Sulfate	82 Q	25	mg/L	MCAWW 300.0A
Fluoride	2.9	0.50	mg/L	MCAWW 300.0A
Bromide	0.15 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	280 J	5.0	mg/L	MCAWW 310.1
HTA-33 10/02/07 10:15 037				
Perchlorate	0.95	0.10	ug/L	SW846 6860
Barium	42	1.0	ug/L	SW846 6020
Cobalt	0.13 B	1.0	ug/L	SW846 6020
Manganese	0.76 B	1.0	ug/L	SW846 6020
Molybdenum	18	2.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Selenium	1.8 B	5.0	ug/L	SW846 6020
Thallium	0.021 B	1.0	ug/L	SW846 6020
Zinc	6.0 B,J	10	ug/L	SW846 6020
Aluminum	33 B	100	ug/L	SW846 6010B
Calcium	99000	200	ug/L	SW846 6010B
Potassium	2400 B	3000	ug/L	SW846 6010B
Magnesium	22000	200	ug/L	SW846 6010B
Sodium	60000	1000	ug/L	SW846 6010B
Total Dissolved Solids	570 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	1.9	0.10	mg/L	MCAWW 353.2
Chloride	29 J	3.0	mg/L	MCAWW 300.0A
Sulfate	140 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.6	0.50	mg/L	MCAWW 300.0A
Bromide	0.23	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	250 J	5.0	mg/L	MCAWW 310.1

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EMRE-1 10/02/07 11:40 038				
Perchlorate	7.3	2.0	ug/L	SW846 6860
Arsenic	0.61 B	5.0	ug/L	SW846 6020
Barium	38	1.0	ug/L	SW846 6020
Cobalt	0.13 B	1.0	ug/L	SW846 6020
Manganese	0.35 B	1.0	ug/L	SW846 6020
Molybdenum	18	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020
Selenium	1.8 B	5.0	ug/L	SW846 6020
Zinc	3.5 B,J	10	ug/L	SW846 6020
Calcium	83000	200	ug/L	SW846 6010B
Potassium	1700 B	3000	ug/L	SW846 6010B
Magnesium	13000	200	ug/L	SW846 6010B
Sodium	53000	1000	ug/L	SW846 6010B
Vanadium	3.5 B	10	ug/L	SW846 6010B
Total Dissolved Solids	480 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.4	0.10	mg/L	MCAWW 353.2
Chloride	25 J	3.0	mg/L	MCAWW 300.0A
Sulfate	120 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.19 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	170 J	5.0	mg/L	MCAWW 310.1
HTA-38 10/02/07 11:50 039				
Perchlorate	1.1	0.10	ug/L	SW846 6860
Arsenic	0.35 B	5.0	ug/L	SW846 6020
Barium	47	1.0	ug/L	SW846 6020
Cobalt	0.11 B	1.0	ug/L	SW846 6020
Chromium	1.3 B	2.0	ug/L	SW846 6020
Copper	1.1 B	2.0	ug/L	SW846 6020
Manganese	4.7	1.0	ug/L	SW846 6020
Molybdenum	10	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020
Lead	0.29 B	1.0	ug/L	SW846 6020
Selenium	0.96 B	5.0	ug/L	SW846 6020
Zinc	3.3 B,J	10	ug/L	SW846 6020
Aluminum	20 B	100	ug/L	SW846 6010B
Calcium	70000	200	ug/L	SW846 6010B
Potassium	1500 B	3000	ug/L	SW846 6010B
Magnesium	12000	200	ug/L	SW846 6010B
Sodium	42000	1000	ug/L	SW846 6010B
Vanadium	2.6 B	10	ug/L	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J040166

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-38 10/02/07 11:50 039				
Total Dissolved Solids	400 J	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	2.1	0.10	mg/L	MCAWW 353.2
Chloride	14 J	3.0	mg/L	MCAWW 300.0A
Sulfate	75 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.0	0.50	mg/L	MCAWW 300.0A
Bromide	0.14 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	180 J	5.0	mg/L	MCAWW 310.1

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
EMRE2 10/02/07 12:40 001				
Perchlorate	9.9	2.0	ug/L	SW846 6860
Arsenic	0.35 B	5.0	ug/L	SW846 6020
Barium	35	1.0	ug/L	SW846 6020
Cobalt	0.12 B	1.0	ug/L	SW846 6020
Manganese	0.56 B	1.0	ug/L	SW846 6020
Molybdenum	16	2.0	ug/L	SW846 6020
Nickel	1.0 B	2.0	ug/L	SW846 6020
Selenium	2.2 B	5.0	ug/L	SW846 6020
Zinc	3.0 B,J	10	ug/L	SW846 6020
Aluminum	18 B	100	ug/L	SW846 6010B
Calcium	89000	200	ug/L	SW846 6010B
Potassium	1700 B	3000	ug/L	SW846 6010B
Magnesium	14000	200	ug/L	SW846 6010B
Sodium	57000	1000	ug/L	SW846 6010B
Vanadium	3.0 B	10	ug/L	SW846 6010B
Total Dissolved Solids	520	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	3.9	0.10	mg/L	MCAWW 353.2
Chloride	31	3.0	mg/L	MCAWW 300.0A
Sulfate	140 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	3.4	0.50	mg/L	MCAWW 300.0A
Bromide	0.22	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	170 J	5.0	mg/L	MCAWW 310.1
HTA-22 10/03/07 14:25 002				
Perchlorate	1100	200	ug/L	SW846 6860
Barium	37	1.0	ug/L	SW846 6020
Cobalt	0.18 B	1.0	ug/L	SW846 6020
Manganese	1.2	1.0	ug/L	SW846 6020
Molybdenum	19	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020
Lead	0.19 B	1.0	ug/L	SW846 6020
Selenium	1.9 B	5.0	ug/L	SW846 6020
Thallium	0.020 B	1.0	ug/L	SW846 6020
Zinc	6.5 B,J	10	ug/L	SW846 6020
Calcium	98000	200	ug/L	SW846 6010B
Potassium	1700 B	3000	ug/L	SW846 6010B
Magnesium	22000	200	ug/L	SW846 6010B
Sodium	58000	1000	ug/L	SW846 6010B
Total Dissolved Solids	530	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	20 Q	0.50	mg/L	MCAWW 353.2

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-22 10/03/07 14:25 002				
Chloride	31	3.0	mg/L	MCAWW 300.0A
Sulfate	120 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.22	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1
HTA-21 10/03/07 15:40 003				
RDX	3.1	0.20	ug/L	SW846 8330
Perchlorate	8000	1000	ug/L	SW846 6860
Barium	36	1.0	ug/L	SW846 6020
Cobalt	0.71 B	1.0	ug/L	SW846 6020
Manganese	2.2	1.0	ug/L	SW846 6020
Molybdenum	7.5	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020
Lead	0.19 B	1.0	ug/L	SW846 6020
Selenium	1.9 B	5.0	ug/L	SW846 6020
Zinc	3.2 B,J	10	ug/L	SW846 6020
Aluminum	32 B	100	ug/L	SW846 6010B
Calcium	100000	200	ug/L	SW846 6010B
Potassium	1700 B	3000	ug/L	SW846 6010B
Magnesium	24000	200	ug/L	SW846 6010B
Sodium	61000	1000	ug/L	SW846 6010B
Total Dissolved Solids	590	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	9.1 Q	0.50	mg/L	MCAWW 353.2
Chloride	40	3.0	mg/L	MCAWW 300.0A
Sulfate	140 Q	25	mg/L	MCAWW 300.0A
Fluoride	3.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.24	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	190 J	5.0	mg/L	MCAWW 310.1
HTAWM 10/04/07 14:05 004				
Perchlorate	0.13	0.10	ug/L	SW846 6860
Arsenic	0.34 B	5.0	ug/L	SW846 6020
Barium	52	1.0	ug/L	SW846 6020
Cobalt	0.22 B	1.0	ug/L	SW846 6020
Chromium	0.62 B	2.0	ug/L	SW846 6020
Copper	0.94 B	2.0	ug/L	SW846 6020
Manganese	570	1.0	ug/L	SW846 6020
Molybdenum	9.5	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTAWM 10/04/07 14:05 004				
Lead	0.94 B	1.0	ug/L	SW846 6020
Zinc	18 J	10	ug/L	SW846 6020
Aluminum	33 B	100	ug/L	SW846 6010B
Calcium	100000	200	ug/L	SW846 6010B
Iron	7000 J	100	ug/L	SW846 6010B
Potassium	2000 B	3000	ug/L	SW846 6010B
Magnesium	18000	200	ug/L	SW846 6010B
Sodium	60000	1000	ug/L	SW846 6010B
Total Dissolved Solids	540	10	mg/L	MCAWW 160.1
Chloride	31	3.0	mg/L	MCAWW 300.0A
Sulfate	150 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	3.2	0.50	mg/L	MCAWW 300.0A
Bromide	0.23	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	220 J	5.0	mg/L	MCAWW 310.1
HTA-14 10/04/07 10:35 005				
HMX	0.64 J	0.80	ug/L	SW846 8330
RDX	34	0.40	ug/L	SW846 8330
Perchlorate	7900	1000	ug/L	SW846 6860
Silver	0.72 B	5.0	ug/L	SW846 6020
Arsenic	0.25 B	5.0	ug/L	SW846 6020
Barium	55	1.0	ug/L	SW846 6020
Cadmium	0.086 B	1.0	ug/L	SW846 6020
Cobalt	1.2	1.0	ug/L	SW846 6020
Chromium	3.4	2.0	ug/L	SW846 6020
Copper	2.6	2.0	ug/L	SW846 6020
Manganese	97	1.0	ug/L	SW846 6020
Molybdenum	14	2.0	ug/L	SW846 6020
Nickel	3.6	2.0	ug/L	SW846 6020
Lead	2.4	1.0	ug/L	SW846 6020
Antimony	0.094 B	2.0	ug/L	SW846 6020
Selenium	2.9 B	5.0	ug/L	SW846 6020
Thallium	0.030 B	1.0	ug/L	SW846 6020
Zinc	16 J	10	ug/L	SW846 6020
Aluminum	1600	100	ug/L	SW846 6010B
Calcium	92000	200	ug/L	SW846 6010B
Iron	2900 J	100	ug/L	SW846 6010B
Potassium	1900 B	3000	ug/L	SW846 6010B
Magnesium	26000	200	ug/L	SW846 6010B
Sodium	57000	1000	ug/L	SW846 6010B
Vanadium	4.1 B	10	ug/L	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-14 10/04/07 10:35 005				
Total Dissolved Solids	550	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	9.8 Q	0.50	mg/L	MCAWW 353.2
Chloride	37	3.0	mg/L	MCAWW 300.0A
Sulfate	140 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	4.5	0.50	mg/L	MCAWW 300.0A
Bromide	0.18 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	190 J	5.0	mg/L	MCAWW 310.1
SMR1A 10/04/07 09:10 006				
Perchlorate	0.65	0.10	ug/L	SW846 6860
Arsenic	0.36 B	5.0	ug/L	SW846 6020
Barium	34	1.0	ug/L	SW846 6020
Cobalt	0.091 B	1.0	ug/L	SW846 6020
Chromium	1.0 B	2.0	ug/L	SW846 6020
Copper	2.8	2.0	ug/L	SW846 6020
Manganese	0.94 B	1.0	ug/L	SW846 6020
Molybdenum	4.5	2.0	ug/L	SW846 6020
Nickel	1.2 B	2.0	ug/L	SW846 6020
Lead	1.3	1.0	ug/L	SW846 6020
Selenium	2.0 B	5.0	ug/L	SW846 6020
Zinc	120 J	10	ug/L	SW846 6020
Calcium	78000	200	ug/L	SW846 6010B
Iron	42 B,J	100	ug/L	SW846 6010B
Potassium	2000 B	3000	ug/L	SW846 6010B
Magnesium	48000	200	ug/L	SW846 6010B
Sodium	30000	1000	ug/L	SW846 6010B
Vanadium	3.2 B	10	ug/L	SW846 6010B
Total Dissolved Solids	510	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	1.1	0.10	mg/L	MCAWW 353.2
Chloride	24	3.0	mg/L	MCAWW 300.0A
Sulfate	150 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	1.0	0.50	mg/L	MCAWW 300.0A
Bromide	0.15 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	230 J	5.0	mg/L	MCAWW 310.1
HTA-24 10/04/07 11:40 007				
Perchlorate	0.078 J	0.10	ug/L	SW846 6860
Arsenic	0.21 B	5.0	ug/L	SW846 6020
Barium	30	1.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-24 10/04/07 11:40 007				
Cobalt	0.34 B	1.0	ug/L	SW846 6020
Chromium	2.0	2.0	ug/L	SW846 6020
Manganese	150	1.0	ug/L	SW846 6020
Molybdenum	7.8	2.0	ug/L	SW846 6020
Nickel	2.2	2.0	ug/L	SW846 6020
Zinc	3.6 B,J	10	ug/L	SW846 6020
Aluminum	52 B	100	ug/L	SW846 6010B
Calcium	110000	200	ug/L	SW846 6010B
Iron	390 J	100	ug/L	SW846 6010B
Potassium	1300 B	3000	ug/L	SW846 6010B
Magnesium	28000	200	ug/L	SW846 6010B
Sodium	74000	1000	ug/L	SW846 6010B
Total Dissolved Solids	660	10	mg/L	MCAWW 160.1
Chloride	35	3.0	mg/L	MCAWW 300.0A
Sulfate	200 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	4.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.28	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	280 J	5.0	mg/L	MCAWW 310.1
HTA-5 10/04/07 12:40 008				
Perchlorate	0.035 J	0.10	ug/L	SW846 6860
Arsenic	0.25 B	5.0	ug/L	SW846 6020
Barium	31	1.0	ug/L	SW846 6020
Cadmium	0.040 B	1.0	ug/L	SW846 6020
Cobalt	0.50 B	1.0	ug/L	SW846 6020
Chromium	2.3	2.0	ug/L	SW846 6020
Copper	0.88 B	2.0	ug/L	SW846 6020
Manganese	580	1.0	ug/L	SW846 6020
Molybdenum	4.0	2.0	ug/L	SW846 6020
Nickel	3.5	2.0	ug/L	SW846 6020
Lead	0.93 B	1.0	ug/L	SW846 6020
Zinc	8.2 B,J	10	ug/L	SW846 6020
Aluminum	540	100	ug/L	SW846 6010B
Calcium	210000	200	ug/L	SW846 6010B
Iron	2200 J	100	ug/L	SW846 6010B
Potassium	3400	3000	ug/L	SW846 6010B
Magnesium	37000	200	ug/L	SW846 6010B
Sodium	61000	1000	ug/L	SW846 6010B
Total Dissolved Solids	1000	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	0.020 B	0.10	mg/L	MCAWW 353.2

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-5 10/04/07 12:40 008				
Chloride	42	3.0	mg/L	MCAWW 300.0A
Sulfate	490 J,Q	100	mg/L	MCAWW 300.0A
Fluoride	2.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.33	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	270 J	5.0	mg/L	MCAWW 310.1
BONNEY SPRING 10/04/07 13:45 009				
Perchlorate	0.016 J	0.10	ug/L	SW846 6860
Barium	46	1.0	ug/L	SW846 6020
Cadmium	0.75 B	1.0	ug/L	SW846 6020
Cobalt	0.24 B	1.0	ug/L	SW846 6020
Chromium	0.53 B	2.0	ug/L	SW846 6020
Copper	1.9 B	2.0	ug/L	SW846 6020
Manganese	120	1.0	ug/L	SW846 6020
Molybdenum	1.3 B	2.0	ug/L	SW846 6020
Nickel	1.3 B	2.0	ug/L	SW846 6020
Lead	6.7	1.0	ug/L	SW846 6020
Antimony	0.32 B	2.0	ug/L	SW846 6020
Zinc	410 J	10	ug/L	SW846 6020
Aluminum	54 B	100	ug/L	SW846 6010B
Calcium	110000	200	ug/L	SW846 6010B
Iron	1500 J	100	ug/L	SW846 6010B
Potassium	2100 B	3000	ug/L	SW846 6010B
Magnesium	59000	200	ug/L	SW846 6010B
Sodium	24000	1000	ug/L	SW846 6010B
Total Dissolved Solids	650	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	0.052 B	0.10	mg/L	MCAWW 353.2
Chloride	27	3.0	mg/L	MCAWW 300.0A
Sulfate	200 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	1.2	0.50	mg/L	MCAWW 300.0A
Bromide	0.18 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	300 J	5.0	mg/L	MCAWW 310.1
MARKHAM SPRING 10/04/07 12:00 010				
Perchlorate	0.80	0.10	ug/L	SW846 6860
Barium	39	1.0	ug/L	SW846 6020
Cobalt	0.18 B	1.0	ug/L	SW846 6020
Manganese	15	1.0	ug/L	SW846 6020
Molybdenum	12	2.0	ug/L	SW846 6020
Nickel	1.1 B	2.0	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MARKHAM SPRING 10/04/07 12:00 010				
Selenium	0.81 B	5.0	ug/L	SW846 6020
Zinc	13 J	10	ug/L	SW846 6020
Aluminum	19 B	100	ug/L	SW846 6010B
Calcium	99000	200	ug/L	SW846 6010B
Iron	110 J	100	ug/L	SW846 6010B
Potassium	620 B	3000	ug/L	SW846 6010B
Magnesium	25000	200	ug/L	SW846 6010B
Sodium	47000	1000	ug/L	SW846 6010B
Total Dissolved Solids	540	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	1.3	0.10	mg/L	MCAWW 353.2
Chloride	26	3.0	mg/L	MCAWW 300.0A
Sulfate	140 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	4.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.25	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	230 J	5.0	mg/L	MCAWW 310.1
HTA-26 10/04/07 10:00 011				
Perchlorate	3800	500	ug/L	SW846 6860
Barium	30	1.0	ug/L	SW846 6020
Cadmium	0.13 B	1.0	ug/L	SW846 6020
Cobalt	0.24 B	1.0	ug/L	SW846 6020
Manganese	35	1.0	ug/L	SW846 6020
Molybdenum	44	2.0	ug/L	SW846 6020
Nickel	1.5 B	2.0	ug/L	SW846 6020
Lead	3.2	1.0	ug/L	SW846 6020
Antimony	0.73 B	2.0	ug/L	SW846 6020
Selenium	2.5 B	5.0	ug/L	SW846 6020
Thallium	0.050 B	1.0	ug/L	SW846 6020
Zinc	4.6 B,J	10	ug/L	SW846 6020
Calcium	110000	200	ug/L	SW846 6010B
Potassium	3000	3000	ug/L	SW846 6010B
Magnesium	26000	200	ug/L	SW846 6010B
Sodium	70000	1000	ug/L	SW846 6010B
Total Dissolved Solids	620	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.8	0.10	mg/L	MCAWW 353.2
Chloride	29	3.0	mg/L	MCAWW 300.0A
Sulfate	190 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	3.3	0.50	mg/L	MCAWW 300.0A
Bromide	0.19 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	220 J	5.0	mg/L	MCAWW 310.1

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-29 10/04/07 11:10 012				
Perchlorate	220	100	ug/L	SW846 6860
Arsenic	0.22 B	5.0	ug/L	SW846 6020
Barium	29	1.0	ug/L	SW846 6020
Cadmium	0.24 B	1.0	ug/L	SW846 6020
Cobalt	0.27 B	1.0	ug/L	SW846 6020
Manganese	13	1.0	ug/L	SW846 6020
Molybdenum	11	2.0	ug/L	SW846 6020
Nickel	1.5 B	2.0	ug/L	SW846 6020
Selenium	2.2 B	5.0	ug/L	SW846 6020
Thallium	0.71 B	1.0	ug/L	SW846 6020
Zinc	4.4 B,J	10	ug/L	SW846 6020
Mercury	0.027 B	0.20	ug/L	SW846 7470A
Calcium	120000	200	ug/L	SW846 6010B
Potassium	1200 B	3000	ug/L	SW846 6010B
Magnesium	27000	200	ug/L	SW846 6010B
Sodium	72000	1000	ug/L	SW846 6010B
Total Dissolved Solids	660	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	4.3	0.10	mg/L	MCAWW 353.2
Chloride	33	3.0	mg/L	MCAWW 300.0A
Sulfate	210 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	3.8	0.50	mg/L	MCAWW 300.0A
Bromide	0.28	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	240 J	5.0	mg/L	MCAWW 310.1
HTA-32 10/03/07 13:30 013				
Perchlorate	2100	500	ug/L	SW846 6860
Barium	27	1.0	ug/L	SW846 6020
Cobalt	0.13 B	1.0	ug/L	SW846 6020
Molybdenum	13	2.0	ug/L	SW846 6020
Nickel	1.0 B	2.0	ug/L	SW846 6020
Selenium	2.5 B	5.0	ug/L	SW846 6020
Zinc	2.6 B,J	10	ug/L	SW846 6020
Calcium	96000	200	ug/L	SW846 6010B
Iron	22 B,J	100	ug/L	SW846 6010B
Potassium	940 B	3000	ug/L	SW846 6010B
Magnesium	20000	200	ug/L	SW846 6010B
Sodium	67000	1000	ug/L	SW846 6010B
Vanadium	2.5 B	10	ug/L	SW846 6010B
Total Dissolved Solids	580	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	8.5 Q	0.50	mg/L	MCAWW 353.2

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-32 10/03/07 13:30 013				
Chloride	35	3.0	mg/L	MCAWW 300.0A
Sulfate	150 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.2	0.50	mg/L	MCAWW 300.0A
Bromide	0.24	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	190 J	5.0	mg/L	MCAWW 310.1
HTA-28 10/03/07 12:15 014				
Perchlorate	1100	500	ug/L	SW846 6860
Barium	31	1.0	ug/L	SW846 6020
Cobalt	0.15 B	1.0	ug/L	SW846 6020
Manganese	1.3	1.0	ug/L	SW846 6020
Molybdenum	15	2.0	ug/L	SW846 6020
Nickel	1.0 B	2.0	ug/L	SW846 6020
Lead	0.31 B	1.0	ug/L	SW846 6020
Selenium	2.6 B	5.0	ug/L	SW846 6020
Zinc	3.5 B,J	10	ug/L	SW846 6020
Calcium	90000	200	ug/L	SW846 6010B
Potassium	1000 B	3000	ug/L	SW846 6010B
Magnesium	20000	200	ug/L	SW846 6010B
Sodium	62000	1000	ug/L	SW846 6010B
Total Dissolved Solids	540	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	9.8 Q	0.50	mg/L	MCAWW 353.2
Chloride	35	3.0	mg/L	MCAWW 300.0A
Sulfate	140 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	4.0	0.50	mg/L	MCAWW 300.0A
Phosphate as P, Ortho	0.27 B	0.50	mg/L	MCAWW 300.0A
Bromide	0.24	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	180 J	5.0	mg/L	MCAWW 310.1
HTA-3 10/03/07 14:35 015				
Perchlorate	2.2	0.50	ug/L	SW846 6860
Barium	29	1.0	ug/L	SW846 6020
Cobalt	0.11 B	1.0	ug/L	SW846 6020
Copper	0.91 B	2.0	ug/L	SW846 6020
Molybdenum	10	2.0	ug/L	SW846 6020
Nickel	0.97 B	2.0	ug/L	SW846 6020
Lead	0.23 B	1.0	ug/L	SW846 6020
Selenium	1.6 B	5.0	ug/L	SW846 6020
Zinc	110 J	10	ug/L	SW846 6020

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EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J050164

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
HTA-3 10/03/07 14:35 015				
Calcium	89000	200	ug/L	SW846 6010B
Iron	42 B,J	100	ug/L	SW846 6010B
Potassium	730 B	3000	ug/L	SW846 6010B
Magnesium	20000	200	ug/L	SW846 6010B
Sodium	63000	1000	ug/L	SW846 6010B
Total Dissolved Solids	530	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	2.6	0.10	mg/L	MCAWW 353.2
Chloride	27	3.0	mg/L	MCAWW 300.0A
Sulfate	130 Q	25	mg/L	MCAWW 300.0A
Fluoride	4.7	0.50	mg/L	MCAWW 300.0A
Bromide	0.19 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	220 J	5.0	mg/L	MCAWW 310.1

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J130200

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SMR2 10/10/07 14:10 001				
Perchlorate	0.63	0.10	ug/L	SW846 6860
Arsenic	0.67 B	5.0	ug/L	SW846 6020
Barium	37	1.0	ug/L	SW846 6020
Cadmium	0.47 B,J	1.0	ug/L	SW846 6020
Cobalt	0.75 B,J	1.0	ug/L	SW846 6020
Chromium	6.4	2.0	ug/L	SW846 6020
Copper	2.4	2.0	ug/L	SW846 6020
Manganese	120	1.0	ug/L	SW846 6020
Molybdenum	3.6	2.0	ug/L	SW846 6020
Nickel	3.1	2.0	ug/L	SW846 6020
Lead	0.82 B,J	1.0	ug/L	SW846 6020
Antimony	0.074 B	2.0	ug/L	SW846 6020
Selenium	3.5 B,J	5.0	ug/L	SW846 6020
Thallium	0.025 B	1.0	ug/L	SW846 6020
Zinc	9.3 B,J	10	ug/L	SW846 6020
Aluminum	450 J	100	ug/L	SW846 6010B
Calcium	94000	200	ug/L	SW846 6010B
Iron	3500 L	100	ug/L	SW846 6010B
Potassium	1900 B	3000	ug/L	SW846 6010B
Magnesium	37000	200	ug/L	SW846 6010B
Sodium	33000	1000	ug/L	SW846 6010B
Vanadium	5.0 B	10	ug/L	SW846 6010B
Total Dissolved Solids	560	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	1.4	0.10	mg/L	MCAWW 353.2
Chloride	28	3.0	mg/L	MCAWW 300.0A
Sulfate	170 Q	25	mg/L	MCAWW 300.0A
Fluoride	1.8	0.50	mg/L	MCAWW 300.0A
Bromide	0.18 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	220 J	5.0	mg/L	MCAWW 310.1
SMR4 10/10/07 15:30 002				
Arsenic	0.33 B	5.0	ug/L	SW846 6020
Barium	14	1.0	ug/L	SW846 6020
Cadmium	0.065 B,J	1.0	ug/L	SW846 6020
Cobalt	0.17 B,J	1.0	ug/L	SW846 6020
Chromium	1.3 B	2.0	ug/L	SW846 6020
Copper	2.5	2.0	ug/L	SW846 6020
Manganese	51	1.0	ug/L	SW846 6020
Molybdenum	2.1	2.0	ug/L	SW846 6020
Nickel	0.90 B	2.0	ug/L	SW846 6020
Lead	4.8 J	1.0	ug/L	SW846 6020

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J130200

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SMR4 10/10/07 15:30 002				
Selenium	0.84 B,J	5.0	ug/L	SW846 6020
Thallium	0.023 B	1.0	ug/L	SW846 6020
Zinc	6.0 B,J	10	ug/L	SW846 6020
Aluminum	29 B,J	100	ug/L	SW846 6010B
Calcium	9200	200	ug/L	SW846 6010B
Iron	6600 L	100	ug/L	SW846 6010B
Potassium	2800 B	3000	ug/L	SW846 6010B
Magnesium	6200	200	ug/L	SW846 6010B
Sodium	58000	1000	ug/L	SW846 6010B
Total Dissolved Solids	210	10	mg/L	MCAWW 160.1
Chloride	37	3.0	mg/L	MCAWW 300.0A
Sulfate	72 Q	25	mg/L	MCAWW 300.0A
Fluoride	1.9	0.50	mg/L	MCAWW 300.0A
Bromide	0.23	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	40 J	5.0	mg/L	MCAWW 310.1
SMR3 10/11/07 12:25 003				
Perchlorate	0.93	0.10	ug/L	SW846 6860
Arsenic	1.0 B	5.0	ug/L	SW846 6020
Barium	34	1.0	ug/L	SW846 6020
Cadmium	0.30 B,J	1.0	ug/L	SW846 6020
Cobalt	0.55 B,J	1.0	ug/L	SW846 6020
Chromium	4.3	2.0	ug/L	SW846 6020
Copper	2.0	2.0	ug/L	SW846 6020
Manganese	210	1.0	ug/L	SW846 6020
Molybdenum	3.2	2.0	ug/L	SW846 6020
Nickel	5.3	2.0	ug/L	SW846 6020
Lead	8.9 J	1.0	ug/L	SW846 6020
Selenium	2.6 B,J	5.0	ug/L	SW846 6020
Thallium	0.021 B	1.0	ug/L	SW846 6020
Zinc	100 J	10	ug/L	SW846 6020
Aluminum	30 B,J	100	ug/L	SW846 6010B
Calcium	86000	200	ug/L	SW846 6010B
Iron	13000 L	100	ug/L	SW846 6010B
Potassium	2100 B	3000	ug/L	SW846 6010B
Magnesium	49000	200	ug/L	SW846 6010B
Sodium	37000	1000	ug/L	SW846 6010B
Vanadium	5.2 B	10	ug/L	SW846 6010B
Total Dissolved Solids	610	10	mg/L	MCAWW 160.1
Nitrate-Nitrite	3.1	0.10	mg/L	MCAWW 353.2

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

HTA-27 : D7J130200

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SMR3 10/11/07 12:25 003				
Chloride	37	3.0	mg/L	MCAWW 300.0A
Sulfate	190 J,Q	25	mg/L	MCAWW 300.0A
Fluoride	0.56	0.50	mg/L	MCAWW 300.0A
Bromide	0.19 B	0.20	mg/L	MCAWW 300.0A
Total Alkalinity	210 J	5.0	mg/L	MCAWW 310.1

METHODS SUMMARY

HTA-27

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Alkalinity	MCAWW 310.1	MCAWW 310.1
Bromide	MCAWW 300.0A	MCAWW 300.0A
Chloride	MCAWW 300.0A	MCAWW 300.0A
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3010A
ICP-MS (6020)	SW846 6020	SW846 3010
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Nitrate-Nitrite	MCAWW 353.2	MCAWW 353.2
Nitroaromatics and Nitramines by HPLC	SW846 8330	SW846 3535
Phosphate as P, Ortho	MCAWW 300.0A	MCAWW 300.0A
Sulfate	MCAWW 300.0A	MCAWW 300.0A
SW846 6860 Perchlorate	SW846 6860	SW846 6860

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

HTA-27

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 160.1	Kevin Bloom	006134
MCAWW 160.1	ReAnna Davis	002266
MCAWW 300.0A	Ewa Kudla	001167
MCAWW 300.0A	Ewa Kudla	1167
MCAWW 300.0A	Grant Henshaw	004878
MCAWW 300.0A	Grant Henshaw	4878
MCAWW 310.1	Elizabeth Pryor	009450
MCAWW 353.2	Kevin Bloom	006134
SW846 6010B	Janel Motichka	002862
SW846 6010B	Janel Motichka	2862
SW846 6020	Luis Diaz	4729
SW846 6020	Thomas Lill	6929
SW846 6860	Deborah Coyle	003004
SW846 6860	Mark Dymerski	004626
SW846 6860	Tim O'Donnell	000443
SW846 7470A	David Wells	5099
SW846 8330	Carrie Lahr	008835

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

HTA-27 : D7J040166

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J78NV	001	HTA-45	10/02/07	15:40
J78N7	002	HTA-16	10/02/07	17:20
J78N9	003	HTA-98	10/03/07	10:30
J78PA	004	HTA-43	10/01/07	15:50
J78PC	005	HTA-31	10/01/07	17:20
J78PD	006	HTA-50	10/03/07	13:40
J78PF	007	HTA-34	10/02/07	10:05
J78PG	008	HTA-12	10/02/07	11:24
J78PH	009	HTA-10A	10/02/07	12:40
J78PK	010	HTA-39	10/02/07	14:00
J78PM	011	HTA-40	10/02/07	14:50
J78PP	012	HTA-40EB	10/02/07	15:30
J78PR	013	HTA-46	10/01/07	14:30
J78PT	014	HTA-42	10/02/07	13:55
J78PV	015	HTA-17	10/02/07	16:45
J78PX	016	HTA-15	10/03/07	10:15
J78P2	017	HTA-99	10/03/07	10:20
J78P3	018	HTA-4	10/03/07	10:25
J78P4	019	HTA-23	10/02/07	14:25
J78P5	020	HTA-13	10/02/07	15:35
J78P7	021	HTA-16D	10/03/07	11:15
J78P8	022	HTA-11	10/02/07	14:35
J78QA	023	HTA-20	10/02/07	16:20
J78QC	024	HTA-25	10/02/07	17:35
J78QE	025	HTA-35	10/01/07	14:35
J78QG	026	HTA-44	10/01/07	15:50
J78QH	027	HTA-30	10/01/07	16:35
J78QJ	028	HTA-41	10/03/07	11:25
J78QK	029	HTA-19	10/03/07	12:20
J78QL	030	HTA-18	10/03/07	13:20
J78QM	031	HTA-47A	10/03/07	12:05
J78QP	032	HTA-51	10/03/07	13:00
J78QQ	033	HTA-27	10/03/07	14:00
J78QR	034	HTA-37	10/02/07	12:30
J78QT	035	HTA-36	10/02/07	13:10
J78QV	036	HTA-48	10/03/07	10:20

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SAMPLE SUMMARY

HTA-27 : D7J040166

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J78QW	037	HTA-33	10/02/07	10:15
J78QX	038	EMRE-1	10/02/07	11:40
J78Q0	039	HTA-38	10/02/07	11:50

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

(Continued on next page)

SAMPLE SUMMARY

HTA-27 : D7J050164

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J8CCM	001	EMRE2	10/02/07	12:40
J8CCV	002	HTA-22	10/03/07	14:25
J8CCX	003	HTA-21	10/03/07	15:40
J8CC0	004	HTAWM	10/04/07	14:05
J8CC3	005	HTA-14	10/04/07	10:35
J8CC6	006	SMR1A	10/04/07	09:10
J8CC8	007	HTA-24	10/04/07	11:40
J8CC9	008	HTA-5	10/04/07	12:40
J8CDA	009	BONNEY SPRING	10/04/07	13:45
J8CDD	010	MARKHAM SPRING	10/04/07	12:00
J8CDP	011	HTA-26	10/04/07	10:00
J8CDQ	012	HTA-29	10/04/07	11:10
J8CDT	013	HTA-32	10/03/07	13:30
J8CDW	014	HTA-28	10/03/07	12:15
J8CDX	015	HTA-3	10/03/07	14:35

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
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SAMPLE SUMMARY

HTA-27 : D7J130200

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J8X5T	001	SMR2	10/10/07	14:10
J8X5V	002	SMR4	10/10/07	15:30
J8X5W	003	SMR3	10/11/07	12:25

NOTE(S):

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- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
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- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-45

HPLC

Lot-Sample #...: D7J040166-001 **Work Order #...:** J78NV1AC **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/13/07
Prep Batch #...: 7283482 **Analysis Time..:** 01:58
Dilution Factor: 10

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**3.2**	**1.0**	**ug/L**	**0.088**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16

HPLC

Lot-Sample #...: D7J040166-002 **Work Order #...:** J78N71AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 17:20 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 03:23
Dilution Factor: 50000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**18000**	**5000**	**ug/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-98

HPLC

Lot-Sample #...: D7J040166-003 **Work Order #...:** J78N91AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:30 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 03:55
Dilution Factor: 50

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**19**	**5.0**	**ug/L**	**0.44**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-43

HPLC

Lot-Sample #...: D7J040166-004 **Work Order #...:** J78PA1AN **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 05:29
Dilution Factor: 100

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**41**	**10**	**ug/L**	**0.88**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-31

HPLC

Lot-Sample #...: D7J040166-005 **Work Order #...:** J78PC1AN **Matrix.....:** WATER
Date Sampled...: 10/01/07 17:20 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 06:01
Dilution Factor: 20

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**7.3**	**2.0**	**ug/L**	**0.18**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-50

HPLC

Lot-Sample #...: D7J040166-006 **Work Order #...:** J78PD1AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:40 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/13/07
Prep Batch #...: 7283482 **Analysis Time..:** 03:33
Dilution Factor: 10

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.4**	**1.0**	**ug/L**	**0.088**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-34

HPLC

Lot-Sample #...: D7J040166-007 **Work Order #...:** J78PF1AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 10:05 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 07:04
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	ND	0.10	ug/L	0.0088

U.S. Geological Survey (USGS)

Client Sample ID: HTA-12

HPLC

Lot-Sample #...: D7J040166-008 **Work Order #...:** J78PG1AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:24 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 07:35
Dilution Factor: 20

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**13**	**2.0**	**ug/L**	**0.18**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-10A

HPLC

Lot-Sample #...: D7J040166-009 **Work Order #...:** J78PH1AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:40 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 08:07
Dilution Factor: 50000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**15000**	**5000**	**ug/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-39

HPLC

Lot-Sample #...: D7J040166-010 **Work Order #...:** J78PK1AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:00 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/13/07
Prep Batch #...: 7283482 **Analysis Time..:** 04:04
Dilution Factor: 5

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.0**	**0.50**	**ug/L**	**0.044**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-40

HPLC

Lot-Sample #...: D7J040166-011 **Work Order #...:** J78PM1AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:50 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 09:10
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.025 J**	**0.10**	**ug/L**	**0.0088**

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-40EB

HPLC

Lot-Sample #...: D7J040166-012 **Work Order #...:** J78PP1AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:30 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 15:23
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	ND	0.10	ug/L	0.0088

U.S. Geological Survey (USGS)

Client Sample ID: HTA-46

HPLC

Lot-Sample #...: D7J040166-013 **Work Order #...:** J78PR1AN **Matrix.....:** WATER
Date Sampled...: 10/01/07 14:30 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/13/07
Prep Batch #...: 7283482 **Analysis Time..:** 04:36
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	ND	0.10	ug/L	0.0088

U.S. Geological Survey (USGS)

Client Sample ID: HTA-42

HPLC

Lot-Sample #...: D7J040166-014 **Work Order #...:** J78PT1AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 16:26
Dilution Factor: 20

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**5.1**	**2.0**	**ug/L**	**0.18**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-17

HPLC

Lot-Sample #...: D7J040166-015 **Work Order #...:** J78PV1AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 16:45 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 16:57
Dilution Factor: 50000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**15000**	**5000**	**ug/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-15

HPLC

Lot-Sample #...: D7J040166-016 **Work Order #...:** J78PX1AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:15 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 17:29
Dilution Factor: 50000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**21000**	**5000**	**ug/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-99

HPLC

Lot-Sample #...: D7J040166-017 **Work Order #...:** J78P21AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:20 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 18:00
Dilution Factor: 50000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**21000**	**5000**	**ug/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-4

HPLC

Lot-Sample #...: D7J040166-018 **Work Order #...:** J78P31AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:25 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 18:32
Dilution Factor: 100

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**24**	**10**	**ug/L**	**0.88**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23

HPLC

Lot-Sample #...: D7J040166-019 **Work Order #...:** J78P41AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:25 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 19:03
Dilution Factor: 500

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**120**	**50**	**ug/L**	**4.4**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-13

HPLC

Lot-Sample #...: D7J040166-020 **Work Order #...:** J78P51AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:35 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 19:35
Dilution Factor: 20000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**12000**	**2000**	**ug/L**	**180**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16D

HPLC

Lot-Sample #...: D7J040166-021 **Work Order #...:** J78P71AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:15 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/17/07
Prep Batch #...: 7284383 **Analysis Time..:** 05:06
Dilution Factor: 50000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**18000**	**5000**	**ug/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-11

HPLC

Lot-Sample #...: D7J040166-022 **Work Order #...:** J78P81AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:35 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/16/07
Prep Batch #...: 7284383 **Analysis Time..:** 17:32
Dilution Factor: 50000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**21000**	**5000**	**ug/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-20

HPLC

Lot-Sample #...: D7J040166-023 **Work Order #...:** J78QA1AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 16:20 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/16/07
Prep Batch #...: 7284383 **Analysis Time..:** 18:04
Dilution Factor: 50000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**20000**	**5000**	**ug/L**	**440**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-25

HPLC

Lot-Sample #...: D7J040166-024 **Work Order #...:** J78QC1AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 17:35 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/16/07
Prep Batch #...: 7284383 **Analysis Time..:** 19:39
Dilution Factor: 10000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**5700**	**1000**	**ug/L**	**88**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-35

HPLC

Lot-Sample #...: D7J040166-025 **Work Order #...:** J78QE1AN **Matrix.....:** WATER
Date Sampled...: 10/01/07 14:35 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/16/07
Prep Batch #...: 7284383 **Analysis Time..:** 20:10
Dilution Factor: 5

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.5**	**0.50**	**ug/L**	**0.044**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-44

HPLC

Lot-Sample #...: D7J040166-026 **Work Order #...:** J78QG1AN **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/18/07
Prep Batch #...: 7284383 **Analysis Time..:** 06:35
Dilution Factor: 5

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1.1**	**0.50**	**ug/L**	**0.044**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-30

HPLC

Lot-Sample #...: D7J040166-027 **Work Order #...:** J78QH1AN **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/16/07
Prep Batch #...: 7284383 **Analysis Time..:** 21:13
Dilution Factor: 5000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1500**	**500**	**ug/L**	**44**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-41

HPLC

Lot-Sample #...: D7J040166-028 **Work Order #...:** J78QJ1AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:25 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/16/07
Prep Batch #...: 7284383 **Analysis Time..:** 21:45
Dilution Factor: 5

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**3.4**	**0.50**	**ug/L**	**0.044**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-19

HPLC

Lot-Sample #...: D7J040166-029 **Work Order #...:** J78QK1AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:20 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/16/07
Prep Batch #...: 7284383 **Analysis Time..:** 22:16
Dilution Factor: 10000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**8300**	**1000**	**ug/L**	**88**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-18

HPLC

Lot-Sample #...: D7J040166-030 **Work Order #...:** J78QL1AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:20 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/16/07
Prep Batch #...: 7284383 **Analysis Time..:** 22:48
Dilution Factor: 10000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**4400**	**1000**	**ug/L**	**88**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-47A

HPLC

Lot-Sample #...: D7J040166-031 **Work Order #...:** J78QM1AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:05 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/16/07
Prep Batch #...: 7284383 **Analysis Time..:** 23:19
Dilution Factor: 5

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.9**	**0.50**	**ug/L**	**0.044**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-51

HPLC

Lot-Sample #...: D7J040166-032 **Work Order #...:** J78QP1AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:00 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/16/07
Prep Batch #...: 7284383 **Analysis Time..:** 23:51
Dilution Factor: 100

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**35**	**10**	**ug/L**	**0.88**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27

HPLC

Lot-Sample #...: D7J040166-033 **Work Order #...:** J78QQ1AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:00 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/17/07
Prep Batch #...: 7284383 **Analysis Time..:** 00:22
Dilution Factor: 100

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**50**	**10**	**ug/L**	**0.88**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-37

HPLC

Lot-Sample #...: D7J040166-034 **Work Order #...:** J78QR1AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:30 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/17/07
Prep Batch #...: 7284383 **Analysis Time..:** 01:57
Dilution Factor: 10

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.4**	**1.0**	**ug/L**	**0.088**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-36

HPLC

Lot-Sample #...: D7J040166-035 **Work Order #...:** J78QT1AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:10 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/17/07
Prep Batch #...: 7284383 **Analysis Time..:** 02:28
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.075 J**	**0.10**	**ug/L**	**0.0088**

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-48

HPLC

Lot-Sample #...: D7J040166-036 **Work Order #...:** J78QV1AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:20 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/17/07
Prep Batch #...: 7284383 **Analysis Time..:** 03:00
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1.1**	**0.10**	**ug/L**	**0.0088**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-33

HPLC

Lot-Sample #...: D7J040166-037 **Work Order #...:** J78QW1AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 10:15 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/17/07
Prep Batch #...: 7284383 **Analysis Time..:** 03:31
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.95**	**0.10**	**ug/L**	**0.0088**

U.S. Geological Survey (USGS)

Client Sample ID: EMRE-1

HPLC

Lot-Sample #...: D7J040166-038 **Work Order #...:** J78QX1AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:40 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/17/07
Prep Batch #...: 7284383 **Analysis Time..:** 04:03
Dilution Factor: 20

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**7.3**	**2.0**	**ug/L**	**0.18**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-38

HPLC

Lot-Sample #...: D7J040166-039 **Work Order #...:** J78Q01AN **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:50 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/17/07
Prep Batch #...: 7284383 **Analysis Time..:** 04:34
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1.1**	**0.10**	**ug/L**	**0.0088**

U.S. Geological Survey (USGS)

Client Sample ID: EMRE2

HPLC

Lot-Sample #...: D7J050164-001 **Work Order #...:** J8CCM1AC **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:40 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7296509 **Analysis Time..:** 00:48
Dilution Factor: 20

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**9.9**	**2.0**	**ug/L**	**0.18**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-22

HPLC

Lot-Sample #...: D7J050164-002 **Work Order #...:** J8CCV1AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:25 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/26/07
Prep Batch #...: 7296509 **Analysis Time..:** 12:44
Dilution Factor: 2000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1100**	**200**	**ug/L**	**18**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-21

HPLC

Lot-Sample #...: D7J050164-003 **Work Order #...:** J8CCX1AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 15:40 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/26/07
Prep Batch #...: 7296509 **Analysis Time..:** 13:16
Dilution Factor: 10000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**8000**	**1000**	**ug/L**	**88**

U.S. Geological Survey (USGS)

Client Sample ID: HTAWM

HPLC

Lot-Sample #...: D7J050164-004 **Work Order #...:** J8CC01AN **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7296509 **Analysis Time..:** 17:52
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.13**	**0.10**	**ug/L**	**0.0088**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14

HPLC

Lot-Sample #...: D7J050164-005 **Work Order #...:** J8CC31AN **Matrix.....:** WATER
Date Sampled...: 10/04/07 10:35 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/26/07
Prep Batch #...: 7296509 **Analysis Time..:** 13:54
Dilution Factor: 10000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**7900**	**1000**	**ug/L**	**88**

U.S. Geological Survey (USGS)

Client Sample ID: SMR1A

HPLC

Lot-Sample #...: D7J050164-006 **Work Order #...:** J8CC61AN **Matrix.....:** WATER
Date Sampled...: 10/04/07 09:10 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7296509 **Analysis Time..:** 05:32
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.65**	**0.10**	**ug/L**	**0.0088**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-24

HPLC

Lot-Sample #...: D7J050164-007 **Work Order #...:** J8CC81AN **Matrix.....:** WATER
Date Sampled...: 10/04/07 11:40 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/26/07
Prep Batch #...: 7296509 **Analysis Time..:** 14:23
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.078 J**	**0.10**	**ug/L**	**0.0088**

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-5

HPLC

Lot-Sample #...: D7J050164-008 **Work Order #...:** J8CC91AN **Matrix.....:** WATER
Date Sampled...: 10/04/07 12:40 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7296509 **Analysis Time..:** 06:35
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.035 J**	**0.10**	**ug/L**	**0.0088**

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: BONNEY SPRING

HPLC

Lot-Sample #...: D7J050164-009 **Work Order #...:** J8CDA1AN **Matrix.....:** WATER
Date Sampled...: 10/04/07 13:45 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7296509 **Analysis Time..:** 07:06
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.016 J**	**0.10**	**ug/L**	**0.0088**

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: MARKHAM SPRING

HPLC

Lot-Sample #...: D7J050164-010 **Work Order #...:** J8CDD1AN **Matrix.....:** WATER
Date Sampled...: 10/04/07 12:00 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7296509 **Analysis Time..:** 07:38
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.80**	**0.10**	**ug/L**	**0.0088**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-26

HPLC

Lot-Sample #...: D7J050164-011 **Work Order #...:** J8CDP1AN **Matrix.....:** WATER
Date Sampled...: 10/04/07 10:00 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7296509 **Analysis Time..:** 09:12
Dilution Factor: 5000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**3800**	**500**	**ug/L**	**44**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-29

HPLC

Lot-Sample #...: D7J050164-012 **Work Order #...:** J8CDQ1AN **Matrix.....:** WATER
Date Sampled...: 10/04/07 11:10 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7296509 **Analysis Time..:** 09:44
Dilution Factor: 1000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**220**	**100**	**ug/L**	**8.8**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-32

HPLC

Lot-Sample #...: D7J050164-013 **Work Order #...:** J8CDT1AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:30 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7296509 **Analysis Time..:** 10:15
Dilution Factor: 5000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2100**	**500**	**ug/L**	**44**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-28

HPLC

Lot-Sample #...: D7J050164-014 **Work Order #...:** J8CDW1AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:15 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7296509 **Analysis Time..:** 10:47
Dilution Factor: 5000

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**1100**	**500**	**ug/L**	**44**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-3

HPLC

Lot-Sample #...: D7J050164-015 **Work Order #...:** J8CDX1AN **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:35 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7296509 **Analysis Time..:** 20:29
Dilution Factor: 5

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**2.2**	**0.50**	**ug/L**	**0.044**

U.S. Geological Survey (USGS)

Client Sample ID: SMR2

HPLC

Lot-Sample #...: D7J130200-001 **Work Order #...:** J8X5T1AC **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07
Prep Date.....: 11/02/07 **Analysis Date..:** 11/04/07
Prep Batch #...: 7306435 **Analysis Time..:** 09:21
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.63**	**0.10**	**ug/L**	**0.0088**

U.S. Geological Survey (USGS)

Client Sample ID: SMR4

HPLC

Lot-Sample #...: D7J130200-002 **Work Order #...:** J8X5V1AN **Matrix.....:** WATER
Date Sampled...: 10/10/07 15:30 **Date Received..:** 10/13/07
Prep Date.....: 11/02/07 **Analysis Date..:** 11/04/07
Prep Batch #...: 7306435 **Analysis Time..:** 09:52
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	ND	0.10	ug/L	0.0088

U.S. Geological Survey (USGS)

Client Sample ID: SMR3

HPLC

Lot-Sample #...: D7J130200-003 **Work Order #...:** J8X5W1AN **Matrix.....:** WATER
Date Sampled...: 10/11/07 12:25 **Date Received..:** 10/13/07
Prep Date.....: 11/02/07 **Analysis Date..:** 11/04/07
Prep Batch #...: 7306435 **Analysis Time..:** 10:24
Dilution Factor: 1

Method.....: SW846 6860

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Perchlorate	**0.93**	**0.10**	**ug/L**	**0.0088**

U.S. Geological Survey (USGS)

Client Sample ID: HTA-45

HPLC

Lot-Sample #...: D7J040166-001 **Work Order #...:** J78NV1AA **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 14:38
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	80	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16

HPLC

Lot-Sample #...: D7J040166-002 **Work Order #...:** J78N71AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 17:20 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 09:50
Dilution Factor: 2

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.40	ug/L	0.10
4-Amino-2,6-dinitrotoluene	ND	0.40	ug/L	0.12
1,3-Dinitrobenzene	ND	0.80	ug/L	0.18
2,4-Dinitrotoluene	ND	0.80	ug/L	0.17
2,6-Dinitrotoluene	ND	0.40	ug/L	0.13
HMX	**0.44 J**	**0.80**	**ug/L**	**0.18**
Nitrobenzene	ND	0.80	ug/L	0.18
2-Nitrotoluene	ND	0.80	ug/L	0.17
3-Nitrotoluene	ND	0.80	ug/L	0.17
4-Nitrotoluene	ND	2.0	ug/L	0.40
RDX	**30**	**0.40**	**ug/L**	**0.10**
Tetryl	ND	0.40	ug/L	0.16
1,3,5-Trinitrobenzene	ND	2.0	ug/L	0.40
2,4,6-Trinitrotoluene	ND	0.80	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-98

HPLC

Lot-Sample #...: D7J040166-003 **Work Order #...:** J78N91AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:30 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 15:50
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	75	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-43

HPLC

Lot-Sample #...: D7J040166-004 **Work Order #...:** J78PA1AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 16:26
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	73 *	(75 - 118)

NOTE(S):

* Surrogate recovery is outside stated control limits.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-43

HPLC

Lot-Sample #...: D7J040166-004 **Work Order #...:** J78PA2AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07
Prep Date.....: 10/30/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7303140 **Analysis Time..:** 16:29
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	97	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-31

HPLC

Lot-Sample #...: D7J040166-005 **Work Order #...:** J78PC1AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 17:20 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 05:38
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-50

HPLC

Lot-Sample #...: D7J040166-006 **Work Order #...:** J78PD1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:40 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 17:02
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	88	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-34

HPLC

Lot-Sample #...: D7J040166-007 **Work Order #...:** J78PF1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 10:05 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 17:38
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	87	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-12

HPLC

Lot-Sample #...: D7J040166-008 **Work Order #...:** J78PG1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:24 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 18:14
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	90	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-10A

HPLC

Lot-Sample #...: D7J040166-009 **Work Order #...:** J78PH1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:40 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281125 **Analysis Time..:** 12:14
Dilution Factor: 5

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	1.0	ug/L	0.25
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	0.29
1,3-Dinitrobenzene	ND	2.0	ug/L	0.44
2,4-Dinitrotoluene	ND	2.0	ug/L	0.42
2,6-Dinitrotoluene	ND	1.0	ug/L	0.32
HMX	**0.72 J**	**2.0**	**ug/L**	**0.44**
Nitrobenzene	ND	2.0	ug/L	0.46
2-Nitrotoluene	ND	2.0	ug/L	0.43
3-Nitrotoluene	ND	2.0	ug/L	0.42
4-Nitrotoluene	ND	5.0	ug/L	1.0
RDX	**64**	**1.0**	**ug/L**	**0.26**
Tetryl	ND	1.0	ug/L	0.40
1,3,5-Trinitrobenzene	ND	5.0	ug/L	1.0
2,4,6-Trinitrotoluene	ND	2.0	ug/L	0.36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	NC,DIL	(75 - 118)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-39

HPLC

Lot-Sample #...: D7J040166-010 **Work Order #...:** J78PK1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:00 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 19:26
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	87	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-40

HPLC

Lot-Sample #...: D7J040166-011 **Work Order #...:** J78PM1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:50 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 20:02
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	88	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-40EB

HPLC

Lot-Sample #...: D7J040166-012 **Work Order #...:** J78PP1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:30 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 20:38
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-46

HPLC

Lot-Sample #...: D7J040166-013 **Work Order #...:** J78PR1AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 14:30 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 21:14
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	**0.16 J,COL**	**0.40**	**ug/L**	**0.084**
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	85	(75 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-42

HPLC

Lot-Sample #...: D7J040166-014 **Work Order #...:** J78PT1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 22:26
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	80	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-17

HPLC

Lot-Sample #...: D7J040166-015 **Work Order #...:** J78PV1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 16:45 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281125 **Analysis Time..:** 12:50
Dilution Factor: 2

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.40	ug/L	0.10
4-Amino-2,6-dinitrotoluene	ND	0.40	ug/L	0.12
1,3-Dinitrobenzene	ND	0.80	ug/L	0.18
2,4-Dinitrotoluene	ND	0.80	ug/L	0.17
2,6-Dinitrotoluene	ND	0.40	ug/L	0.13
HMX	ND	0.80	ug/L	0.18
Nitrobenzene	ND	0.80	ug/L	0.18
2-Nitrotoluene	ND	0.80	ug/L	0.17
3-Nitrotoluene	ND	0.80	ug/L	0.17
4-Nitrotoluene	ND	2.0	ug/L	0.40
RDX	**38**	**0.40**	**ug/L**	**0.10**
Tetryl	ND	0.40	ug/L	0.16
1,3,5-Trinitrobenzene	ND	2.0	ug/L	0.40
2,4,6-Trinitrotoluene	ND	0.80	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	88	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-15

HPLC

Lot-Sample #...: D7J040166-016 **Work Order #...:** J78PX1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:15 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/23/07
Prep Batch #...: 7281125 **Analysis Time..:** 23:38
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**19**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	88	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-99

HPLC

Lot-Sample #...: D7J040166-017 **Work Order #...:** J78P21AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:20 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 03:11
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**17**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	80	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-4

HPLC

Lot-Sample #...: D7J040166-018 **Work Order #...:** J78P31AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:25 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 03:47
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	94	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23

HPLC

Lot-Sample #...: D7J040166-019 **Work Order #...:** J78P41AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:25 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281125 **Analysis Time..:** 00:14
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	115	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-13

HPLC

Lot-Sample #...: D7J040166-020 **Work Order #...:** J78P51AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:35 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281125 **Analysis Time..:** 00:50
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**1.6**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	89	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16D

HPLC

Lot-Sample #...: D7J040166-021 **Work Order #...:** J78P71AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:15 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 04:23
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	**0.20 J**	**0.40**	**ug/L**	**0.088**
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**25**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	90	(75 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-11

HPLC

Lot-Sample #...: D7J040166-022 **Work Order #...:** J78P81AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:35 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281125 **Analysis Time..:** 13:26
Dilution Factor: 5

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	1.0	ug/L	0.25
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	0.29
1,3-Dinitrobenzene	ND	2.0	ug/L	0.44
2,4-Dinitrotoluene	ND	2.0	ug/L	0.42
2,6-Dinitrotoluene	ND	1.0	ug/L	0.32
HMX	**1.2 J**	**2.0**	**ug/L**	**0.44**
Nitrobenzene	ND	2.0	ug/L	0.46
2-Nitrotoluene	ND	2.0	ug/L	0.43
3-Nitrotoluene	ND	2.0	ug/L	0.42
4-Nitrotoluene	ND	5.0	ug/L	1.0
RDX	**110**	**1.0**	**ug/L**	**0.26**
Tetryl	ND	1.0	ug/L	0.40
1,3,5-Trinitrobenzene	ND	5.0	ug/L	1.0
2,4,6-Trinitrotoluene	ND	2.0	ug/L	0.36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	NC,DIL	(75 - 118)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-20

HPLC

Lot-Sample #...: D7J040166-023 **Work Order #...:** J78QA1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 16:20 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281125 **Analysis Time..:** 14:02
Dilution Factor: 5

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	1.0	ug/L	0.25
4-Amino-2,6-dinitrotoluene	ND	1.0	ug/L	0.29
1,3-Dinitrobenzene	ND	2.0	ug/L	0.44
2,4-Dinitrotoluene	ND	2.0	ug/L	0.42
2,6-Dinitrotoluene	ND	1.0	ug/L	0.32
HMX	**0.53 J**	**2.0**	**ug/L**	**0.44**
Nitrobenzene	ND	2.0	ug/L	0.46
2-Nitrotoluene	ND	2.0	ug/L	0.43
3-Nitrotoluene	ND	2.0	ug/L	0.42
4-Nitrotoluene	ND	5.0	ug/L	1.0
RDX	**46**	**1.0**	**ug/L**	**0.26**
Tetryl	ND	1.0	ug/L	0.40
1,3,5-Trinitrobenzene	ND	5.0	ug/L	1.0
2,4,6-Trinitrotoluene	ND	2.0	ug/L	0.36

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	NC,DIL	(75 - 118)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-25

HPLC

Lot-Sample #...: D7J040166-024 **Work Order #...:** J78QC1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 17:35 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 06:14
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**2.4**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-35

HPLC

Lot-Sample #...: D7J040166-025 **Work Order #...:** J78QE1AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 14:35 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 06:50
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	94	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-44

HPLC

Lot-Sample #...: D7J040166-026 **Work Order #...:** J78QG1AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/26/07
Prep Batch #...: 7281121 **Analysis Time..:** 21:46
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	80	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-44

HPLC

Lot-Sample #...: D7J040166-026 **Work Order #...:** J78QG2AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07
Prep Date.....: 10/30/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7303140 **Analysis Time..:** 17:05
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	94	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-30

HPLC

Lot-Sample #...: D7J040166-027 **Work Order #...:** J78QH1AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/26/07
Prep Batch #...: 7281121 **Analysis Time..:** 22:22
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**0.18 J,COL**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	71 *	(75 - 118)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-30

HPLC

Lot-Sample #...: D7J040166-027 **Work Order #...:** J78QH2AM **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07
Prep Date.....: 10/30/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7303140 **Analysis Time..:** 17:41
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**0.30**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	96	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-41

HPLC

Lot-Sample #...: D7J040166-028 **Work Order #...:** J78QJ1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:25 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/26/07
Prep Batch #...: 7281121 **Analysis Time..:** 22:58
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	85	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-41

HPLC

Lot-Sample #...: D7J040166-028 **Work Order #...:** J78QJ2AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:25 **Date Received..:** 10/04/07
Prep Date.....: 10/30/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7303140 **Analysis Time..:** 18:17
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-19

HPLC

Lot-Sample #...: D7J040166-029 **Work Order #...:** J78QK1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:20 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 04:59
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**0.24**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	90	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-18

HPLC

Lot-Sample #...: D7J040166-030 **Work Order #...:** J78QL1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:20 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 05:35
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**0.082 J**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	89	(75 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-47A

HPLC

Lot-Sample #...: D7J040166-031 **Work Order #...:** J78QM1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:05 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 06:11
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	86	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-51

HPLC

Lot-Sample #...: D7J040166-032 **Work Order #...:** J78QP1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:00 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 06:47
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27

HPLC

Lot-Sample #...: D7J040166-033 **Work Order #...:** J78QQ1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:00 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 07:23
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	95	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-37

HPLC

Lot-Sample #...: D7J040166-034 **Work Order #...:** J78QR1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:30 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/26/07
Prep Batch #...: 7281121 **Analysis Time..:** 23:34
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	**0.50**	**0.20**	**ug/L**	**0.051**
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	86	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-37

HPLC

Lot-Sample #...: D7J040166-034 **Work Order #...:** J78QR2AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:30 **Date Received..:** 10/04/07
Prep Date.....: 10/30/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7303140 **Analysis Time..:** 18:53
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	**0.45 COL**	**0.20**	**ug/L**	**0.051**
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	86	(75 - 118)

NOTE(S):

COL More than 40% RPD between primary and confirmation detector results. The lower of the two results is reported.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-36

HPLC

Lot-Sample #...: D7J040166-035 **Work Order #...:** J78QT1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:10 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7281121 **Analysis Time..:** 00:10
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**1.2**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	92	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-36

HPLC

Lot-Sample #...: D7J040166-035 **Work Order #...:** J78QT2AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:10 **Date Received..:** 10/04/07
Prep Date.....: 10/30/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7303140 **Analysis Time..:** 19:29
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	103	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-48

HPLC

Lot-Sample #...: D7J040166-036 **Work Order #...:** J78QV1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:20 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/27/07
Prep Batch #...: 7283200 **Analysis Time..:** 07:59
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	89	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-33

HPLC

Lot-Sample #...: D7J040166-037 **Work Order #...:** J78QW1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 10:15 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 07:26
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	92	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: EMRE-1

HPLC

Lot-Sample #...: D7J040166-038 **Work Order #...:** J78QX1AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:40 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 08:02
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	83	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-38

HPLC

Lot-Sample #...: D7J040166-039 **Work Order #...:** J78Q01AM **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:50 **Date Received..:** 10/04/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 08:38
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	88	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: EMRE2

HPLC

Lot-Sample #...: D7J050164-001 **Work Order #...:** J8CCM1AA **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:40 **Date Received..:** 10/05/07
Prep Date.....: 10/08/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7281424 **Analysis Time..:** 09:14
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	83	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-22

HPLC

Lot-Sample #...: D7J050164-002 **Work Order #...:** J8CCV1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:25 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 04:48
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	88	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-21

HPLC

Lot-Sample #...: D7J050164-003 **Work Order #...:** J8CCX1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 15:40 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 05:24
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	**3.1**	**0.20**	**ug/L**	**0.052**
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	85	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTAWM

HPLC

Lot-Sample #...: D7J050164-004 **Work Order #...:** J8CC01AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 06:00
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	95	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14

HPLC

Lot-Sample #...: D7J050164-005 **Work Order #...:** J8CC31AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 10:35 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 15:51
Dilution Factor: 2

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.40	ug/L	0.10
4-Amino-2,6-dinitrotoluene	ND	0.40	ug/L	0.12
1,3-Dinitrobenzene	ND	0.80	ug/L	0.18
2,4-Dinitrotoluene	ND	0.80	ug/L	0.17
2,6-Dinitrotoluene	ND	0.40	ug/L	0.13
HMX	**0.64 J**	**0.80**	**ug/L**	**0.18**
Nitrobenzene	ND	0.80	ug/L	0.18
2-Nitrotoluene	ND	0.80	ug/L	0.17
3-Nitrotoluene	ND	0.80	ug/L	0.17
4-Nitrotoluene	ND	2.0	ug/L	0.40
RDX	**34**	**0.40**	**ug/L**	**0.10**
Tetryl	ND	0.40	ug/L	0.16
1,3,5-Trinitrobenzene	ND	2.0	ug/L	0.40
2,4,6-Trinitrotoluene	ND	0.80	ug/L	0.14

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	81	(75 - 118)

NOTE(S):

J Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: SMR1A

HPLC

Lot-Sample #...: D7J050164-006 **Work Order #...:** J8CC61AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 09:10 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 08:24
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	94	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-24

HPLC

Lot-Sample #...: D7J050164-007 **Work Order #...:** J8CC81AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 11:40 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 09:00
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	102	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-5

HPLC

Lot-Sample #...: D7J050164-008 **Work Order #...:** J8CC91AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 12:40 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 09:36
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: BONNEY SPRING

HPLC

Lot-Sample #...: D7J050164-009 **Work Order #...:** J8CDA1AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 13:45 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 10:12
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	98	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: MARKHAM SPRING

HPLC

Lot-Sample #...: D7J050164-010 **Work Order #...:** J8CDD1AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 12:00 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 11:24
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	94	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-26

HPLC

Lot-Sample #...: D7J050164-011 **Work Order #...:** J8CDP1AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 10:00 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 12:00
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-29

HPLC

Lot-Sample #...: D7J050164-012 **Work Order #...:** J8CDQ1AM **Matrix.....:** WATER
Date Sampled...: 10/04/07 11:10 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 12:36
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	89	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-32

HPLC

Lot-Sample #...: D7J050164-013 **Work Order #...:** J8CDT1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:30 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 13:12
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	95	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-28

HPLC

Lot-Sample #...: D7J050164-014 **Work Order #...:** J8CDW1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:15 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 13:48
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	96	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-3

HPLC

Lot-Sample #...: D7J050164-015 **Work Order #...:** J8CDX1AM **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:35 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 14:24
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: SMR2

HPLC

Lot-Sample #...: D7J130200-001 **Work Order #...:** J8X5T1AA **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07
Prep Date.....: 10/15/07 **Analysis Date..:** 11/05/07
Prep Batch #...: 7288188 **Analysis Time..:** 19:15
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	89	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: SMR4

HPLC

Lot-Sample #...: D7J130200-002 **Work Order #...:** J8X5V1AM **Matrix.....:** WATER
Date Sampled...: 10/10/07 15:30 **Date Received..:** 10/13/07
Prep Date.....: 10/15/07 **Analysis Date..:** 11/05/07
Prep Batch #...: 7288188 **Analysis Time..:** 20:27
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	95	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: SMR3

HPLC

Lot-Sample #...: D7J130200-003 **Work Order #...:** J8X5W1AM **Matrix.....:** WATER
Date Sampled...: 10/11/07 12:25 **Date Received..:** 10/13/07
Prep Date.....: 10/15/07 **Analysis Date..:** 11/05/07
Prep Batch #...: 7288188 **Analysis Time..:** 21:03
Dilution Factor: 1

Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	0.051
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	0.058
1,3-Dinitrobenzene	ND	0.40	ug/L	0.089
2,4-Dinitrotoluene	ND	0.40	ug/L	0.084
2,6-Dinitrotoluene	ND	0.20	ug/L	0.064
HMX	ND	0.40	ug/L	0.088
Nitrobenzene	ND	0.40	ug/L	0.091
2-Nitrotoluene	ND	0.40	ug/L	0.086
3-Nitrotoluene	ND	0.40	ug/L	0.083
4-Nitrotoluene	ND	1.0	ug/L	0.20
RDX	ND	0.20	ug/L	0.052
Tetryl	ND	0.20	ug/L	0.079
1,3,5-Trinitrobenzene	ND	1.0	ug/L	0.20
2,4,6-Trinitrotoluene	ND	0.40	ug/L	0.072

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	92	(75 - 118)

U.S. Geological Survey (USGS)

Client Sample ID: HTA-45

TOTAL Metals

Lot-Sample #...: D7J040166-001 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78NV1AX
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.16	
Arsenic	**0.47 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78NV1AV**
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.21	
Barium	**30**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78NV1AW**
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78NV1A0
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.040	
Cobalt	**0.14 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78NV1AM**
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78NV1A1
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78NV1AN
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.56	
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78NV1AP
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.31	
Molybdenum	**4.8**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78NV1A2**
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.14	
Nickel	**1.0 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78NV1AQ**
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78NV1A3
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78NV1AR
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.070	
Selenium	**4.2 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78NV1A4**
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-45

TOTAL Metals

Lot-Sample #...: D7J040166-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78NV1AT
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 0.020	
Zinc	**3.0 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78NV1AU**
		Dilution Factor: 1		Analysis Time..: 00:54	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78NV1AD
		Dilution Factor: 1		Analysis Time..: 07:31	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78NV1AF
		Dilution Factor: 1		Analysis Time..: 07:31	MDL.....: 0.47	
Calcium	**90000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78NV1AG**
		Dilution Factor: 1		Analysis Time..: 07:31	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78NV1AE
		Dilution Factor: 1		Analysis Time..: 07:31	MDL.....: 22	
Potassium	**2000 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78NV1AH**
		Dilution Factor: 1		Analysis Time..: 07:31	MDL.....: 240	
Magnesium	**15000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78NV1AJ**
		Dilution Factor: 1		Analysis Time..: 07:31	MDL.....: 43	
Sodium	**56000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78NV1AK**
		Dilution Factor: 1		Analysis Time..: 07:31	MDL.....: 92	
Vanadium	**3.4 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78NV1AL**
		Dilution Factor: 1		Analysis Time..: 07:31	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78NV1A5
		Dilution Factor: 1		Analysis Time..: 17:24	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16

TOTAL Metals

Lot-Sample #...: D7J040166-002 **Matrix.....:** WATER
Date Sampled...: 10/02/07 17:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78N71A9
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78N71A7
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.21	
Barium	**35**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71A8**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78N71AA
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.040	
Cobalt	**2.1 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71A0**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.010	
Chromium	**0.53 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71AC**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78N71A1
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.56	
Manganese	**1.9**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71A2**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.31	
Molybdenum	**12**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71AD**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.14	
Nickel	**1.5 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71A3**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.30	
Lead	**0.19 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71AE**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78N71A4
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.070	
Selenium	**4.1 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71AF**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-16

TOTAL Metals

Lot-Sample #...: D7J040166-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78N71A5
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 0.020	
Zinc	**4.1 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N71A6**
		Dilution Factor: 1		Analysis Time..: 01:18	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	**20 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N71AP**
		Dilution Factor: 1		Analysis Time..: 07:52	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78N71AR
		Dilution Factor: 1		Analysis Time..: 07:52	MDL.....: 0.47	
Calcium	**120000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N71AT**
		Dilution Factor: 1		Analysis Time..: 07:52	MDL.....: 34	
Iron	**69 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N71AQ**
		Dilution Factor: 1		Analysis Time..: 07:52	MDL.....: 22	
Potassium	**780 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N71AU**
		Dilution Factor: 1		Analysis Time..: 07:52	MDL.....: 240	
Magnesium	**27000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N71AV**
		Dilution Factor: 1		Analysis Time..: 07:52	MDL.....: 43	
Sodium	**66000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N71AW**
		Dilution Factor: 1		Analysis Time..: 07:52	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78N71AX
		Dilution Factor: 1		Analysis Time..: 07:52	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.049 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78N71AG**
		Dilution Factor: 1		Analysis Time..: 17:29	MDL.....: 0.027	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-98

TOTAL Metals

Lot-Sample #...: D7J040166-003 **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:30 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78N91A9
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78N91A7
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.21	
Barium	**31**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N91A8**
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78N91AA
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.040	
Cobalt	**0.15 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N91A0**
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78N91AC
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78N91A1
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.56	
Manganese	**0.97 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N91A2**
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.31	
Molybdenum	**11**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N91AD**
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N91A3**
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78N91AE
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78N91A4
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.070	
Selenium	**3.9 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N91AF**
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-98

TOTAL Metals

Lot-Sample #...: D7J040166-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78N91A5
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 0.020	
Zinc	**8.4 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78N91A6**
		Dilution Factor: 1		Analysis Time..: 01:23	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	**19 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N91AP**
		Dilution Factor: 1		Analysis Time..: 07:57	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78N91AR
		Dilution Factor: 1		Analysis Time..: 07:57	MDL.....: 0.47	
Calcium	**92000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N91AT**
		Dilution Factor: 1		Analysis Time..: 07:57	MDL.....: 34	
Iron	**39 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N91AQ**
		Dilution Factor: 1		Analysis Time..: 07:57	MDL.....: 22	
Potassium	**920 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N91AU**
		Dilution Factor: 1		Analysis Time..: 07:57	MDL.....: 240	
Magnesium	**21000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N91AV**
		Dilution Factor: 1		Analysis Time..: 07:57	MDL.....: 43	
Sodium	**66000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78N91AW**
		Dilution Factor: 1		Analysis Time..: 07:57	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78N91AX
		Dilution Factor: 1		Analysis Time..: 07:57	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78N91AG
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-43

TOTAL Metals

Lot-Sample #...: D7J040166-004 **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PA1A9
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PA1A7
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.21	
Barium	**25**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PA1A8**
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PA1AA
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.040	
Cobalt	**0.15 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PA1A0**
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.010	
Chromium	**0.55 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PA1AC**
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PA1A1
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.56	
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PA1A2
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.31	
Molybdenum	**10**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PA1AD**
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PA1A3**
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PA1AE
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PA1A4
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.070	
Selenium	**3.8 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PA1AF**
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-43

TOTAL Metals

Lot-Sample #...: D7J040166-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PA1A5
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 0.020	
Zinc	**5.1 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PA1A6**
		Dilution Factor: 1		Analysis Time..: 01:37	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PA1AP
		Dilution Factor: 1		Analysis Time..: 08:02	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PA1AR
		Dilution Factor: 1		Analysis Time..: 08:02	MDL.....: 0.47	
Calcium	**96000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PA1AT**
		Dilution Factor: 1		Analysis Time..: 08:02	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PA1AQ
		Dilution Factor: 1		Analysis Time..: 08:02	MDL.....: 22	
Potassium	**1200 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PA1AU**
		Dilution Factor: 1		Analysis Time..: 08:02	MDL.....: 240	
Magnesium	**23000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PA1AV**
		Dilution Factor: 1		Analysis Time..: 08:02	MDL.....: 43	
Sodium	**69000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PA1AW**
		Dilution Factor: 1		Analysis Time..: 08:02	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PA1AX
		Dilution Factor: 1		Analysis Time..: 08:02	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78PA1AG
		Dilution Factor: 1		Analysis Time..: 17:33	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-31

TOTAL Metals

Lot-Sample #...: D7J040166-005 **Matrix.....:** WATER
Date Sampled...: 10/01/07 17:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PC1A9
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PC1A7
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.21	
Barium	**33**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PC1A8**
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PC1AA
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.040	
Cobalt	**0.15 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PC1A0**
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PC1AC
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PC1A1
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.56	
Manganese	**0.68 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PC1A2**
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.31	
Molybdenum	**12**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PC1AD**
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.14	
Nickel	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PC1A3**
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PC1AE
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PC1A4
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.070	
Selenium	**4.3 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PC1AF**
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-31

TOTAL Metals

Lot-Sample #...: D7J040166-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PC1A5
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 0.020	
Zinc	**3.5 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PC1A6**
		Dilution Factor: 1		Analysis Time..: 01:42	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PC1AP
		Dilution Factor: 1		Analysis Time..: 08:23	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PC1AR
		Dilution Factor: 1		Analysis Time..: 08:23	MDL.....: 0.47	
Calcium	**100000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PC1AT**
		Dilution Factor: 1		Analysis Time..: 08:23	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PC1AQ
		Dilution Factor: 1		Analysis Time..: 08:23	MDL.....: 22	
Potassium	**790 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PC1AU**
		Dilution Factor: 1		Analysis Time..: 08:23	MDL.....: 240	
Magnesium	**23000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PC1AV**
		Dilution Factor: 1		Analysis Time..: 08:23	MDL.....: 43	
Sodium	**69000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PC1AW**
		Dilution Factor: 1		Analysis Time..: 08:23	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PC1AX
		Dilution Factor: 1		Analysis Time..: 08:23	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.028 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78PC1AG**
		Dilution Factor: 1		Analysis Time..: 17:34	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-50

TOTAL Metals

Lot-Sample #...: D7J040166-006 **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:40 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PD1A9
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.16	
Arsenic	**0.60 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1A7**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.21	
Barium	**43**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1A8**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PD1AA
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.040	
Cobalt	**0.24 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1A0**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.010	
Chromium	**3.9**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1AC**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.50	
Copper	**3.9**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1A1**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.56	
Manganese	**4.5**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1A2**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.31	
Molybdenum	**6.6**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1AD**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.14	
Nickel	**13**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1A3**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.30	
Lead	**0.33 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1AE**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.18	
Antimony	**0.14 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1A4**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.070	
Selenium	**3.7 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1AF**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-50

TOTAL Metals

Lot-Sample #...: D7J040166-006 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PD1A5
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 0.020	
Zinc	**33 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PD1A6**
		Dilution Factor: 1		Analysis Time..: 01:47	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	**46 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PD1AP**
		Dilution Factor: 1		Analysis Time..: 08:28	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PD1AR
		Dilution Factor: 1		Analysis Time..: 08:28	MDL.....: 0.47	
Calcium	**81000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PD1AT**
		Dilution Factor: 1		Analysis Time..: 08:28	MDL.....: 34	
Iron	**180**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PD1AQ**
		Dilution Factor: 1		Analysis Time..: 08:28	MDL.....: 22	
Potassium	**2300 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PD1AU**
		Dilution Factor: 1		Analysis Time..: 08:28	MDL.....: 240	
Magnesium	**20000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PD1AV**
		Dilution Factor: 1		Analysis Time..: 08:28	MDL.....: 43	
Sodium	**54000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PD1AW**
		Dilution Factor: 1		Analysis Time..: 08:28	MDL.....: 92	
Vanadium	**4.1 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PD1AX**
		Dilution Factor: 1		Analysis Time..: 08:28	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78PD1AG
		Dilution Factor: 1		Analysis Time..: 17:39	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-34

TOTAL Metals

Lot-Sample #...: D7J040166-007 **Matrix.....:** WATER
Date Sampled...: 10/02/07 10:05 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PF1A9
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.16	
Arsenic	**0.22 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1A7**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.21	
Barium	**59**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1A8**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PF1AA
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.040	
Cobalt	**0.16 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1A0**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PF1AC
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PF1A1
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.56	
Manganese	**270**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1A2**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.31	
Molybdenum	**6.7**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1AD**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.14	
Nickel	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1A3**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.30	
Lead	**1.7**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1AE**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.18	
Antimony	**0.10 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1A4**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.070	
Selenium	**2.1 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1AF**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-34

TOTAL Metals

Lot-Sample #...: D7J040166-007 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PF1A5
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 0.020	
Zinc	**3.5 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PF1A6**
		Dilution Factor: 1		Analysis Time..: 01:52	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PF1AP
		Dilution Factor: 1		Analysis Time..: 08:33	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PF1AR
		Dilution Factor: 1		Analysis Time..: 08:33	MDL.....: 0.47	
Calcium	**100000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PF1AT**
		Dilution Factor: 1		Analysis Time..: 08:33	MDL.....: 34	
Iron	**69 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PF1AQ**
		Dilution Factor: 1		Analysis Time..: 08:33	MDL.....: 22	
Potassium	**2700 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PF1AU**
		Dilution Factor: 1		Analysis Time..: 08:33	MDL.....: 240	
Magnesium	**24000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PF1AV**
		Dilution Factor: 1		Analysis Time..: 08:33	MDL.....: 43	
Sodium	**69000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PF1AW**
		Dilution Factor: 1		Analysis Time..: 08:33	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PF1AX
		Dilution Factor: 1		Analysis Time..: 08:33	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.041 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78PF1AG**
		Dilution Factor: 1		Analysis Time..: 17:41	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-12

TOTAL Metals

Lot-Sample #...: D7J040166-008 **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:24 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PG1A9
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PG1A7
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.21	
Barium	**24**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1A8**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PG1AA
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.040	
Cobalt	**0.17 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1A0**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PG1AC
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PG1A1
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.56	
Manganese	**1.0**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1A2**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.31	
Molybdenum	**11**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1AD**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.14	
Nickel	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1A3**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PG1AE
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.18	
Antimony	**0.16 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1A4**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.070	
Selenium	**3.4 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1AF**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-12

TOTAL Metals

Lot-Sample #...: D7J040166-008 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.047 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1A5**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 0.020	
Zinc	**4.8 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PG1A6**
		Dilution Factor: 1		Analysis Time..: 01:57	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	**22 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PG1AP**
		Dilution Factor: 1		Analysis Time..: 08:38	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PG1AR
		Dilution Factor: 1		Analysis Time..: 08:38	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PG1AT**
		Dilution Factor: 1		Analysis Time..: 08:38	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PG1AQ
		Dilution Factor: 1		Analysis Time..: 08:38	MDL.....: 22	
Potassium	**1300 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PG1AU**
		Dilution Factor: 1		Analysis Time..: 08:38	MDL.....: 240	
Magnesium	**28000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PG1AV**
		Dilution Factor: 1		Analysis Time..: 08:38	MDL.....: 43	
Sodium	**68000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PG1AW**
		Dilution Factor: 1		Analysis Time..: 08:38	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PG1AX
		Dilution Factor: 1		Analysis Time..: 08:38	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.078 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78PG1AG**
		Dilution Factor: 1		Analysis Time..: 17:43	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-10A

TOTAL Metals

Lot-Sample #...: D7J040166-009 **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:40 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PH1A9
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PH1A7
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.21	
Barium	**31**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1A8**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.29	
Cadmium	**0.075 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1AA**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.040	
Cobalt	**1.7 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1A0**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.010	
Chromium	**0.56 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1AC**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PH1A1
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.56	
Manganese	**1.6**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1A2**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.31	
Molybdenum	**12**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1AD**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.14	
Nickel	**1.5 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1A3**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PH1AE
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.18	
Antimony	**0.083 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1A4**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.070	
Selenium	**5.1 J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1AF**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-10A

TOTAL Metals

Lot-Sample #...: D7J040166-009 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PH1A5
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 0.020	
Zinc	**3.6 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PH1A6**
		Dilution Factor: 1		Analysis Time..: 02:01	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	**38 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PH1AP**
		Dilution Factor: 1		Analysis Time..: 08:44	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PH1AR
		Dilution Factor: 1		Analysis Time..: 08:44	MDL.....: 0.47	
Calcium	**96000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PH1AT**
		Dilution Factor: 1		Analysis Time..: 08:44	MDL.....: 34	
Iron	**31 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PH1AQ**
		Dilution Factor: 1		Analysis Time..: 08:44	MDL.....: 22	
Potassium	**1200 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PH1AU**
		Dilution Factor: 1		Analysis Time..: 08:44	MDL.....: 240	
Magnesium	**25000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PH1AV**
		Dilution Factor: 1		Analysis Time..: 08:44	MDL.....: 43	
Sodium	**60000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PH1AW**
		Dilution Factor: 1		Analysis Time..: 08:44	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PH1AX
		Dilution Factor: 1		Analysis Time..: 08:44	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78PH1AG
		Dilution Factor: 1		Analysis Time..: 17:44	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-39

TOTAL Metals

Lot-Sample #...: D7J040166-010 **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:00 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PK1A9
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.16	
Arsenic	**0.47 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1A7**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.21	
Barium	**46**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1A8**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PK1AA
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.040	
Cobalt	**0.23 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1A0**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.010	
Chromium	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1AC**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PK1A1
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.56	
Manganese	**19**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1A2**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.31	
Molybdenum	**21**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1AD**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.14	
Nickel	**1.8 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1A3**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.30	
Lead	**0.53 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1AE**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PK1A4
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.070	
Selenium	**3.7 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1AF**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-39

TOTAL Metals

Lot-Sample #...: D7J040166-010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PK1A5
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 0.020	
Zinc	**4.7 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PK1A6**
		Dilution Factor: 1		Analysis Time..: 02:06	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	**21 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PK1AP**
		Dilution Factor: 1		Analysis Time..: 08:49	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PK1AR
		Dilution Factor: 1		Analysis Time..: 08:49	MDL.....: 0.47	
Calcium	**90000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PK1AT**
		Dilution Factor: 1		Analysis Time..: 08:49	MDL.....: 34	
Iron	**51 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PK1AQ**
		Dilution Factor: 1		Analysis Time..: 08:49	MDL.....: 22	
Potassium	**2500 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PK1AU**
		Dilution Factor: 1		Analysis Time..: 08:49	MDL.....: 240	
Magnesium	**12000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PK1AV**
		Dilution Factor: 1		Analysis Time..: 08:49	MDL.....: 43	
Sodium	**56000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PK1AW**
		Dilution Factor: 1		Analysis Time..: 08:49	MDL.....: 92	
Vanadium	**3.6 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PK1AX**
		Dilution Factor: 1		Analysis Time..: 08:49	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78PK1AG
		Dilution Factor: 1		Analysis Time..: 17:46	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-40

TOTAL Metals

Lot-Sample #...: D7J040166-011 **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:50 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PM1A9
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PM1A7
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.21	
Barium	**4.9**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1A8**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PM1AA
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.040	
Cobalt	**0.15 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1A0**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.010	
Chromium	**0.83 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1AC**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PM1A1
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.56	
Manganese	**58**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1A2**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.31	
Molybdenum	**0.41 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1AD**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.14	
Nickel	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1A3**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.30	
Lead	**0.31 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1AE**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.18	
Antimony	**0.074 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1A4**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.070	
Selenium	**2.0 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1AF**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-40

TOTAL Metals

Lot-Sample #...: D7J040166-011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PM1A5
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 0.020	
Zinc	**5.6 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PM1A6**
		Dilution Factor: 1		Analysis Time..: 02:11	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	**34 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PM1AP**
		Dilution Factor: 1		Analysis Time..: 08:54	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PM1AR
		Dilution Factor: 1		Analysis Time..: 08:54	MDL.....: 0.47	
Calcium	**85000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PM1AT**
		Dilution Factor: 1		Analysis Time..: 08:54	MDL.....: 34	
Iron	**78 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PM1AQ**
		Dilution Factor: 1		Analysis Time..: 08:54	MDL.....: 22	
Potassium	**2300 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PM1AU**
		Dilution Factor: 1		Analysis Time..: 08:54	MDL.....: 240	
Magnesium	**12000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PM1AV**
		Dilution Factor: 1		Analysis Time..: 08:54	MDL.....: 43	
Sodium	**62000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PM1AW**
		Dilution Factor: 1		Analysis Time..: 08:54	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PM1AX
		Dilution Factor: 1		Analysis Time..: 08:54	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.056 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78PM1AG**
		Dilution Factor: 1		Analysis Time..: 17:48	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-40EB

TOTAL Metals

Lot-Sample #...: D7J040166-012 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:30 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1A9
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1A7
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.21	
Barium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1A8
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1AA
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.040	
Cobalt	**0.027 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PP1A0**
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.010	
Chromium	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PP1AC**
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1A1
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.56	
Manganese	**0.54 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PP1A2**
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.31	
Molybdenum	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1AD
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.14	
Nickel	**0.46 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PP1A3**
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1AE
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1A4
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.070	
Selenium	**1.8 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PP1AF**
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-40EB

TOTAL Metals

Lot-Sample #...: D7J040166-012 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PP1A5
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 0.020	
Zinc	**3.3 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PP1A6**
		Dilution Factor: 1		Analysis Time..: 02:16	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PP1AP
		Dilution Factor: 1		Analysis Time..: 08:59	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PP1AR
		Dilution Factor: 1		Analysis Time..: 08:59	MDL.....: 0.47	
Calcium	**220**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PP1AT**
		Dilution Factor: 1		Analysis Time..: 08:59	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PP1AQ
		Dilution Factor: 1		Analysis Time..: 08:59	MDL.....: 22	
Potassium	ND	3000	ug/L	SW846 6010B	10/23-10/24/07	J78PP1AU
		Dilution Factor: 1		Analysis Time..: 08:59	MDL.....: 240	
Magnesium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J78PP1AV
		Dilution Factor: 1		Analysis Time..: 08:59	MDL.....: 43	
Sodium	ND	1000	ug/L	SW846 6010B	10/23-10/24/07	J78PP1AW
		Dilution Factor: 1		Analysis Time..: 08:59	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PP1AX
		Dilution Factor: 1		Analysis Time..: 08:59	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78PP1AG
		Dilution Factor: 1		Analysis Time..: 17:49	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-46

TOTAL Metals

Lot-Sample #...: D7J040166-013 **Matrix.....:** WATER
Date Sampled...: 10/01/07 14:30 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278246						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1A9
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1A7
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.21	
Barium	**26**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PR1A8**
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1AA
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.040	
Cobalt	**0.14 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PR1A0**
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1AC
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1A1
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.56	
Manganese	**26**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PR1A2**
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.31	
Molybdenum	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1AD
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PR1A3**
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1AE
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1A4
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.070	
Selenium	**2.1 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PR1AF**
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-46

TOTAL Metals

Lot-Sample #...: D7J040166-013 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PR1A5
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 0.020	
Zinc	**3.0 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PR1A6**
		Dilution Factor: 1		Analysis Time..: 02:21	MDL.....: 2.0	
Prep Batch #...: 7278272						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PR1AP
		Dilution Factor: 1		Analysis Time..: 09:04	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PR1AR
		Dilution Factor: 1		Analysis Time..: 09:04	MDL.....: 0.47	
Calcium	**85000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PR1AT**
		Dilution Factor: 1		Analysis Time..: 09:04	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PR1AQ
		Dilution Factor: 1		Analysis Time..: 09:04	MDL.....: 22	
Potassium	**2400 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PR1AU**
		Dilution Factor: 1		Analysis Time..: 09:04	MDL.....: 240	
Magnesium	**21000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PR1AV**
		Dilution Factor: 1		Analysis Time..: 09:04	MDL.....: 43	
Sodium	**75000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PR1AW**
		Dilution Factor: 1		Analysis Time..: 09:04	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PR1AX
		Dilution Factor: 1		Analysis Time..: 09:04	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78PR1AG
		Dilution Factor: 1		Analysis Time..: 17:51	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-42

TOTAL Metals

Lot-Sample #...: D7J040166-014 **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PT1A9
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.16	
Arsenic	**0.28 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PT1A7**
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.21	
Barium	**35**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PT1A8**
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PT1AA
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.040	
Cobalt	**0.13 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PT1A0**
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.010	
Chromium	**0.55 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PT1AC**
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PT1A1
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.56	
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PT1A2
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.31	
Molybdenum	**3.7**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PT1AD**
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PT1A3**
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PT1AE
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PT1A4
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.070	
Selenium	**3.5 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PT1AF**
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-42

TOTAL Metals

Lot-Sample #...: D7J040166-014 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PT1A5
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 0.020	
Zinc	**3.1 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PT1A6**
		Dilution Factor: 1		Analysis Time..: 02:50	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**44 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PT1AP**
		Dilution Factor: 1		Analysis Time..: 09:40	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PT1AR
		Dilution Factor: 1		Analysis Time..: 09:40	MDL.....: 0.47	
Calcium	**92000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PT1AT**
		Dilution Factor: 1		Analysis Time..: 09:40	MDL.....: 34	
Iron	**180**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PT1AQ**
		Dilution Factor: 1		Analysis Time..: 09:40	MDL.....: 22	
Potassium	**1800 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PT1AU**
		Dilution Factor: 1		Analysis Time..: 09:40	MDL.....: 240	
Magnesium	**14000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PT1AV**
		Dilution Factor: 1		Analysis Time..: 09:40	MDL.....: 43	
Sodium	**59000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PT1AW**
		Dilution Factor: 1		Analysis Time..: 09:40	MDL.....: 92	
Vanadium	**3.3 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PT1AX**
		Dilution Factor: 1		Analysis Time..: 09:40	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78PT1AG
		Dilution Factor: 1		Analysis Time..: 17:53	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-17

TOTAL Metals

Lot-Sample #...: D7J040166-015 **Matrix.....:** WATER
Date Sampled...: 10/02/07 16:45 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PV1A9
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PV1A7
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.21	
Barium	**38**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PV1A8**
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PV1AA
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.040	
Cobalt	**1.8 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PV1A0**
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.010	
Chromium	**0.55 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PV1AC**
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PV1A1
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.56	
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PV1A2
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.31	
Molybdenum	**9.7**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PV1AD**
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.14	
Nickel	**1.5 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PV1A3**
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PV1AE
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PV1A4
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.070	
Selenium	**3.7 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PV1AF**
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-17

TOTAL Metals

Lot-Sample #...: D7J040166-015 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PV1A5
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 0.020	
Zinc	**6.0 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PV1A6**
		Dilution Factor: 1		Analysis Time..: 03:14	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PV1AP
		Dilution Factor: 1		Analysis Time..: 10:01	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PV1AR
		Dilution Factor: 1		Analysis Time..: 10:01	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PV1AT**
		Dilution Factor: 1		Analysis Time..: 10:01	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PV1AQ
		Dilution Factor: 1		Analysis Time..: 10:01	MDL.....: 22	
Potassium	**1200 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PV1AU**
		Dilution Factor: 1		Analysis Time..: 10:01	MDL.....: 240	
Magnesium	**26000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PV1AV**
		Dilution Factor: 1		Analysis Time..: 10:01	MDL.....: 43	
Sodium	**65000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PV1AW**
		Dilution Factor: 1		Analysis Time..: 10:01	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PV1AX
		Dilution Factor: 1		Analysis Time..: 10:01	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78PV1AG
		Dilution Factor: 1		Analysis Time..: 17:55	MDL.....: 0.027	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-15

TOTAL Metals

Lot-Sample #...: D7J040166-016 **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:15 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PX1A9
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78PX1A7
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.21	
Barium	**35**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1A8**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PX1AA
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.040	
Cobalt	**2.5 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1A0**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PX1AC
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78PX1A1
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.56	
Manganese	**0.90 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1A2**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.31	
Molybdenum	**7.6**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1AD**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.14	
Nickel	**1.6 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1A3**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.30	
Lead	**0.21 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1AE**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.18	
Antimony	**0.087 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1A4**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.070	
Selenium	**3.7 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1AF**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-15

TOTAL Metals

Lot-Sample #...: D7J040166-016 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78PX1A5
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 0.020	
Zinc	**4.2 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78PX1A6**
		Dilution Factor: 1		Analysis Time..: 03:19	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PX1AP
		Dilution Factor: 1		Analysis Time..: 10:06	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78PX1AR
		Dilution Factor: 1		Analysis Time..: 10:06	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PX1AT**
		Dilution Factor: 1		Analysis Time..: 10:06	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78PX1AQ
		Dilution Factor: 1		Analysis Time..: 10:06	MDL.....: 22	
Potassium	**1200 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PX1AU**
		Dilution Factor: 1		Analysis Time..: 10:06	MDL.....: 240	
Magnesium	**26000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PX1AV**
		Dilution Factor: 1		Analysis Time..: 10:06	MDL.....: 43	
Sodium	**65000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78PX1AW**
		Dilution Factor: 1		Analysis Time..: 10:06	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78PX1AX
		Dilution Factor: 1		Analysis Time..: 10:06	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.034 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78PX1AG**
		Dilution Factor: 1		Analysis Time..: 17:59	MDL.....: 0.027	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-99

TOTAL Metals

Lot-Sample #...: D7J040166-017
Date Sampled...: 10/03/07 10:20 **Date Received..:** 10/04/07
Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P21A9
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P21A7
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.21	
Barium	**35**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21A8**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P21AA
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.040	
Cobalt	**2.4 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21A0**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.010	
Chromium	**0.56 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21AC**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P21A1
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.56	
Manganese	**1.5**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21A2**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.31	
Molybdenum	**7.3**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21AD**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.14	
Nickel	**1.6 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21A3**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.30	
Lead	**0.21 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21AE**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.18	
Antimony	**0.075 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21A4**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.070	
Selenium	**3.5 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21AF**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-99

TOTAL Metals

Lot-Sample #...: D7J040166-017 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P21A5
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 0.020	
Zinc	**4.2 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P21A6**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**45 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P21AP**
		Dilution Factor: 1		Analysis Time..: 10:11	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78P21AR
		Dilution Factor: 1		Analysis Time..: 10:11	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P21AT**
		Dilution Factor: 1		Analysis Time..: 10:11	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78P21AQ
		Dilution Factor: 1		Analysis Time..: 10:11	MDL.....: 22	
Potassium	**1200 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P21AU**
		Dilution Factor: 1		Analysis Time..: 10:11	MDL.....: 240	
Magnesium	**25000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P21AV**
		Dilution Factor: 1		Analysis Time..: 10:11	MDL.....: 43	
Sodium	**65000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P21AW**
		Dilution Factor: 1		Analysis Time..: 10:11	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78P21AX
		Dilution Factor: 1		Analysis Time..: 10:11	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.063 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78P21AG**
		Dilution Factor: 1		Analysis Time..: 18:01	MDL.....: 0.027	

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-4

TOTAL Metals

Lot-Sample #...: D7J040166-018 **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:25 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P31A9
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P31A7
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.21	
Barium	**28**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P31A8**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P31AA
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.040	
Cobalt	**0.13 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P31A0**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P31AC
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P31A1
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.56	
Manganese	**0.98 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P31A2**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.31	
Molybdenum	**9.7**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P31AD**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P31A3**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P31AE
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P31A4
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.070	
Selenium	**3.6 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P31AF**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-4

TOTAL Metals

Lot-Sample #...: D7J040166-018 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P31A5
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 0.020	
Zinc	**8.5 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P31A6**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**23 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P31AP**
		Dilution Factor: 1		Analysis Time..: 10:32	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78P31AR
		Dilution Factor: 1		Analysis Time..: 10:32	MDL.....: 0.47	
Calcium	**92000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P31AT**
		Dilution Factor: 1		Analysis Time..: 10:32	MDL.....: 34	
Iron	**57 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P31AQ**
		Dilution Factor: 1		Analysis Time..: 10:32	MDL.....: 22	
Potassium	**830 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P31AU**
		Dilution Factor: 1		Analysis Time..: 10:32	MDL.....: 240	
Magnesium	**21000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P31AV**
		Dilution Factor: 1		Analysis Time..: 10:32	MDL.....: 43	
Sodium	**66000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P31AW**
		Dilution Factor: 1		Analysis Time..: 10:32	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78P31AX
		Dilution Factor: 1		Analysis Time..: 10:32	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.038 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78P31AG**
		Dilution Factor: 1		Analysis Time..: 18:03	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23

TOTAL Metals

Lot-Sample #...: D7J040166-019 **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:25 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P41A9
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P41A7
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.21	
Barium	**56**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41A8**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.29	
Cadmium	**0.067 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41AA**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.040	
Cobalt	**0.18 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41A0**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P41AC
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P41A1
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.56	
Manganese	**13**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41A2**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.31	
Molybdenum	**15**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41AD**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41A3**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.30	
Lead	**1.1**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41AE**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P41A4
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.070	
Selenium	**2.9 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41AF**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-23

TOTAL Metals

Lot-Sample #...: D7J040166-019 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.060 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41A5**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 0.020	
Zinc	**5.2 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P41A6**
		Dilution Factor: 1		Analysis Time..: 03:43	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**28 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P41AP**
		Dilution Factor: 1		Analysis Time..: 10:37	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78P41AR
		Dilution Factor: 1		Analysis Time..: 10:37	MDL.....: 0.47	
Calcium	**82000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P41AT**
		Dilution Factor: 1		Analysis Time..: 10:37	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78P41AQ
		Dilution Factor: 1		Analysis Time..: 10:37	MDL.....: 22	
Potassium	**2800 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P41AU**
		Dilution Factor: 1		Analysis Time..: 10:37	MDL.....: 240	
Magnesium	**19000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P41AV**
		Dilution Factor: 1		Analysis Time..: 10:37	MDL.....: 43	
Sodium	**51000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P41AW**
		Dilution Factor: 1		Analysis Time..: 10:37	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78P41AX
		Dilution Factor: 1		Analysis Time..: 10:37	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.035 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78P41AG**
		Dilution Factor: 1		Analysis Time..: 18:04	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-13

TOTAL Metals

Lot-Sample #...: D7J040166-020 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P51A9
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P51A7
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.21	
Barium	**37**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P51A8**
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P51AA
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.040	
Cobalt	**0.16 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P51A0**
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P51AC
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P51A1
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.56	
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P51A2
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.31	
Molybdenum	**17**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P51AD**
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.14	
Nickel	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P51A3**
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.30	
Lead	**0.21 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P51AE**
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P51A4
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.070	
Selenium	**3.2 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P51AF**
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-13

TOTAL Metals

Lot-Sample #...: D7J040166-020 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P51A5
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.020	
Zinc	**4.7 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P51A6**
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**27 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P51AP**
		Dilution Factor: 1		Analysis Time..: 10:42	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78P51AR
		Dilution Factor: 1		Analysis Time..: 10:42	MDL.....: 0.47	
Calcium	**94000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P51AT**
		Dilution Factor: 1		Analysis Time..: 10:42	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78P51AQ
		Dilution Factor: 1		Analysis Time..: 10:42	MDL.....: 22	
Potassium	**1400 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P51AU**
		Dilution Factor: 1		Analysis Time..: 10:42	MDL.....: 240	
Magnesium	**25000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P51AV**
		Dilution Factor: 1		Analysis Time..: 10:42	MDL.....: 43	
Sodium	**57000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P51AW**
		Dilution Factor: 1		Analysis Time..: 10:42	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78P51AX
		Dilution Factor: 1		Analysis Time..: 10:42	MDL.....: 2.5	
Prep Batch #...: 7289215						
Mercury	**0.045 B,J**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78P51AG**
		Dilution Factor: 1		Analysis Time..: 18:06	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16D

TOTAL Metals

Lot-Sample #...: D7J040166-021 **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:15 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P71A9
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.16	
Arsenic	**0.21 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P71A7**
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.21	
Barium	**36**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P71A8**
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P71AA
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.040	
Cobalt	**2.1 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P71A0**
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P71AC
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P71A1
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.56	
Manganese	**0.59 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P71A2**
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.31	
Molybdenum	**6.6**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P71AD**
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.14	
Nickel	**1.4 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P71A3**
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P71AE
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P71A4
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.070	
Selenium	**3.5 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P71AF**
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-16D

TOTAL Metals

Lot-Sample #...: D7J040166-021 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P71A5
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 0.020	
Zinc	**3.7 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P71A6**
		Dilution Factor: 1		Analysis Time..: 03:53	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**63 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P71AP**
		Dilution Factor: 1		Analysis Time..: 10:47	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78P71AR
		Dilution Factor: 1		Analysis Time..: 10:47	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P71AT**
		Dilution Factor: 1		Analysis Time..: 10:47	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78P71AQ
		Dilution Factor: 1		Analysis Time..: 10:47	MDL.....: 22	
Potassium	**1300 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P71AU**
		Dilution Factor: 1		Analysis Time..: 10:47	MDL.....: 240	
Magnesium	**25000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P71AV**
		Dilution Factor: 1		Analysis Time..: 10:47	MDL.....: 43	
Sodium	**68000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P71AW**
		Dilution Factor: 1		Analysis Time..: 10:47	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78P71AX
		Dilution Factor: 1		Analysis Time..: 10:47	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	**0.045 B**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78P71AG**
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-11

TOTAL Metals

Lot-Sample #...: D7J040166-022 **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78P81A9
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.16	
Arsenic	**0.22 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81A7**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.21	
Barium	**34**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81A8**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P81AA
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.040	
Cobalt	**2.4 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81A0**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P81AC
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78P81A1
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.56	
Manganese	**0.75 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81A2**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.31	
Molybdenum	**13**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81AD**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.14	
Nickel	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81A3**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P81AE
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.18	
Antimony	**0.39 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81A4**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.070	
Selenium	**3.5 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81AF**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-11

TOTAL Metals

Lot-Sample #...: D7J040166-022 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78P81A5
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 0.020	
Zinc	**150 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78P81A6**
		Dilution Factor: 1		Analysis Time..: 03:58	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**52 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P81AP**
		Dilution Factor: 1		Analysis Time..: 10:52	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78P81AR
		Dilution Factor: 1		Analysis Time..: 10:52	MDL.....: 0.47	
Calcium	**100000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P81AT**
		Dilution Factor: 1		Analysis Time..: 10:52	MDL.....: 34	
Iron	**290**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P81AQ**
		Dilution Factor: 1		Analysis Time..: 10:52	MDL.....: 22	
Potassium	**950 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P81AU**
		Dilution Factor: 1		Analysis Time..: 10:52	MDL.....: 240	
Magnesium	**26000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P81AV**
		Dilution Factor: 1		Analysis Time..: 10:52	MDL.....: 43	
Sodium	**64000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78P81AW**
		Dilution Factor: 1		Analysis Time..: 10:52	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78P81AX
		Dilution Factor: 1		Analysis Time..: 10:52	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	**0.032 B**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78P81AG**
		Dilution Factor: 1		Analysis Time..: 18:21	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-20

TOTAL Metals

Lot-Sample #...: D7J040166-023 **Matrix.....:** WATER
Date Sampled...: 10/02/07 16:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QA1A9
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.16	
Arsenic	**0.84 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1A7**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.21	
Barium	**28**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1A8**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QA1AA
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.040	
Cobalt	**2.8 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1A0**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QA1AC
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QA1A1
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.56	
Manganese	**2.7**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1A2**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.31	
Molybdenum	**9.6**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1AD**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.14	
Nickel	**1.4 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1A3**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QA1AE
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.18	
Antimony	**1.9 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1A4**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.070	
Selenium	**3.1 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1AF**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-20

TOTAL Metals

Lot-Sample #...: D7J040166-023 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QA1A5
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 0.020	
Zinc	**140 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QA1A6**
		Dilution Factor: 1		Analysis Time..: 04:03	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QA1AP
		Dilution Factor: 1		Analysis Time..: 10:58	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QA1AR
		Dilution Factor: 1		Analysis Time..: 10:58	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QA1AT**
		Dilution Factor: 1		Analysis Time..: 10:58	MDL.....: 34	
Iron	**31 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QA1AQ**
		Dilution Factor: 1		Analysis Time..: 10:58	MDL.....: 22	
Potassium	**850 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QA1AU**
		Dilution Factor: 1		Analysis Time..: 10:58	MDL.....: 240	
Magnesium	**28000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QA1AV**
		Dilution Factor: 1		Analysis Time..: 10:58	MDL.....: 43	
Sodium	**71000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QA1AW**
		Dilution Factor: 1		Analysis Time..: 10:58	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QA1AX
		Dilution Factor: 1		Analysis Time..: 10:58	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QA1AG
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-25

TOTAL Metals

Lot-Sample #...: D7J040166-024 **Matrix.....:** WATER
Date Sampled...: 10/02/07 17:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QC1A9
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QC1A7
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.21	
Barium	**34**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1A8**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.29	
Cadmium	**0.13 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1AA**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.040	
Cobalt	**2.2 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1A0**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QC1AC
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.50	
Copper	**2.6**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1A1**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.56	
Manganese	**500**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1A2**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.31	
Molybdenum	**15**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1AD**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.14	
Nickel	**2.5**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1A3**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.30	
Lead	**2.9**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1AE**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QC1A4
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.070	
Selenium	**2.8 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1AF**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-25

TOTAL Metals

Lot-Sample #...: D7J040166-024 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QC1A5
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 0.020	
Zinc	**250 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QC1A6**
		Dilution Factor: 1		Analysis Time..: 04:07	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**34 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QC1AP**
		Dilution Factor: 1		Analysis Time..: 11:03	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QC1AR
		Dilution Factor: 1		Analysis Time..: 11:03	MDL.....: 0.47	
Calcium	**120000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QC1AT**
		Dilution Factor: 1		Analysis Time..: 11:03	MDL.....: 34	
Iron	**300**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QC1AQ**
		Dilution Factor: 1		Analysis Time..: 11:03	MDL.....: 22	
Potassium	**2000 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QC1AU**
		Dilution Factor: 1		Analysis Time..: 11:03	MDL.....: 240	
Magnesium	**28000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QC1AV**
		Dilution Factor: 1		Analysis Time..: 11:03	MDL.....: 43	
Sodium	**86000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QC1AW**
		Dilution Factor: 1		Analysis Time..: 11:03	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QC1AX
		Dilution Factor: 1		Analysis Time..: 11:03	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	**0.038 B**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78QC1AG**
		Dilution Factor: 1		Analysis Time..: 18:24	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-35

TOTAL Metals

Lot-Sample #...: D7J040166-025 **Matrix.....:** WATER
Date Sampled...: 10/01/07 14:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QE1A9
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QE1A7
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.21	
Barium	**11**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1A8**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QE1AA
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.040	
Cobalt	**0.15 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1A0**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.010	
Chromium	**0.53 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1AC**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.50	
Copper	**0.74 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1A1**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.56	
Manganese	**0.54 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1A2**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.31	
Molybdenum	**21**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1AD**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1A3**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QE1AE
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QE1A4
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.070	
Selenium	**2.5 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1AF**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-35

TOTAL Metals

Lot-Sample #...: D7J040166-025 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QE1A5
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 0.020	
Zinc	**4.2 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QE1A6**
		Dilution Factor: 1		Analysis Time..: 04:12	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QE1AP
		Dilution Factor: 1		Analysis Time..: 11:08	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QE1AR
		Dilution Factor: 1		Analysis Time..: 11:08	MDL.....: 0.47	
Calcium	**100000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QE1AT**
		Dilution Factor: 1		Analysis Time..: 11:08	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QE1AQ
		Dilution Factor: 1		Analysis Time..: 11:08	MDL.....: 22	
Potassium	**2600 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QE1AU**
		Dilution Factor: 1		Analysis Time..: 11:08	MDL.....: 240	
Magnesium	**17000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QE1AV**
		Dilution Factor: 1		Analysis Time..: 11:08	MDL.....: 43	
Sodium	**57000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QE1AW**
		Dilution Factor: 1		Analysis Time..: 11:08	MDL.....: 92	
Vanadium	**2.7 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QE1AX**
		Dilution Factor: 1		Analysis Time..: 11:08	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QE1AG
		Dilution Factor: 1		Analysis Time..: 18:26	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-44

TOTAL Metals

Lot-Sample #...: D7J040166-026 **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278247						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QG1A9
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.16	
Arsenic	**0.91 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A7**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.21	
Barium	**7.8**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A8**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QG1AA
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.040	
Cobalt	**0.14 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A0**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QG1AC
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.50	
Copper	**0.59 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A1**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.56	
Manganese	**20**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A2**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.31	
Molybdenum	**24**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1AD**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.14	
Nickel	**1.4 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A3**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.30	
Lead	**0.21 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1AE**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.18	
Antimony	**0.37 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A4**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.070	
Selenium	**13 J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1AF**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-44

TOTAL Metals

Lot-Sample #...: D7J040166-026 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.039 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A5**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.020	
Zinc	**4.4 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QG1A6**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 2.0	
Prep Batch #...: 7278273						
Aluminum	**26 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QG1AP**
		Dilution Factor: 1		Analysis Time..: 11:13	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QG1AR
		Dilution Factor: 1		Analysis Time..: 11:13	MDL.....: 0.47	
Calcium	**88000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QG1AT**
		Dilution Factor: 1		Analysis Time..: 11:13	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QG1AQ
		Dilution Factor: 1		Analysis Time..: 11:13	MDL.....: 22	
Potassium	**2000 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QG1AU**
		Dilution Factor: 1		Analysis Time..: 11:13	MDL.....: 240	
Magnesium	**14000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QG1AV**
		Dilution Factor: 1		Analysis Time..: 11:13	MDL.....: 43	
Sodium	**56000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QG1AW**
		Dilution Factor: 1		Analysis Time..: 11:13	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QG1AX
		Dilution Factor: 1		Analysis Time..: 11:13	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	**0.10 B**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J78QG1AG**
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-30

TOTAL Metals

Lot-Sample #...: D7J040166-027 **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QH1A9
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QH1A7
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.21	
Barium	**33**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QH1A8**
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QH1AA
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.040	
Cobalt	**0.25 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QH1A0**
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.010	
Chromium	**0.65 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QH1AC**
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QH1A1
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.56	
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QH1A2
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.31	
Molybdenum	**15**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QH1AD**
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QH1A3**
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QH1AE
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QH1A4
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.070	
Selenium	**2.0 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QH1AF**
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-30

TOTAL Metals

Lot-Sample #...: D7J040166-027 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QH1A5
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 0.020	
Zinc	**2.9 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QH1A6**
		Dilution Factor: 1		Analysis Time..: 05:10	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QH1AP
		Dilution Factor: 1		Analysis Time..: 17:06	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QH1AR
		Dilution Factor: 1		Analysis Time..: 17:06	MDL.....: 0.47	
Calcium	**86000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QH1AT**
		Dilution Factor: 1		Analysis Time..: 17:06	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QH1AQ
		Dilution Factor: 1		Analysis Time..: 17:06	MDL.....: 22	
Potassium	**1000 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QH1AU**
		Dilution Factor: 1		Analysis Time..: 17:06	MDL.....: 240	
Magnesium	**23000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QH1AV**
		Dilution Factor: 1		Analysis Time..: 17:06	MDL.....: 43	
Sodium	**58000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QH1AW**
		Dilution Factor: 1		Analysis Time..: 17:06	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QH1AX
		Dilution Factor: 1		Analysis Time..: 17:06	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QH1AG
		Dilution Factor: 1		Analysis Time..: 18:29	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-41

TOTAL Metals

Lot-Sample #...: D7J040166-028 **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:25 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QJ1A9
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.16	
Arsenic	**0.32 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1A7**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.21	
Barium	**32**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1A8**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QJ1AA
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.040	
Cobalt	**0.21 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1A0**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.010	
Chromium	**0.71 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1AC**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QJ1A1
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.56	
Manganese	**16**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1A2**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.31	
Molybdenum	**6.0**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1AD**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.14	
Nickel	**1.4 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1A3**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.30	
Lead	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1AE**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QJ1A4
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.070	
Selenium	**1.9 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1AF**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-41

TOTAL Metals

Lot-Sample #...: D7J040166-028 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QJ1A5
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 0.020	
Zinc	**6.3 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QJ1A6**
		Dilution Factor: 1		Analysis Time..: 05:35	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**32 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QJ1AP**
		Dilution Factor: 1		Analysis Time..: 17:26	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QJ1AR
		Dilution Factor: 1		Analysis Time..: 17:26	MDL.....: 0.47	
Calcium	**94000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QJ1AT**
		Dilution Factor: 1		Analysis Time..: 17:26	MDL.....: 34	
Iron	**48 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QJ1AQ**
		Dilution Factor: 1		Analysis Time..: 17:26	MDL.....: 22	
Potassium	**1900 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QJ1AU**
		Dilution Factor: 1		Analysis Time..: 17:26	MDL.....: 240	
Magnesium	**15000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QJ1AV**
		Dilution Factor: 1		Analysis Time..: 17:26	MDL.....: 43	
Sodium	**54000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QJ1AW**
		Dilution Factor: 1		Analysis Time..: 17:26	MDL.....: 92	
Vanadium	**3.1 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QJ1AX**
		Dilution Factor: 1		Analysis Time..: 17:26	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QJ1AG
		Dilution Factor: 1		Analysis Time..: 18:31	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-19

TOTAL Metals

Lot-Sample #...: D7J040166-029 **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QK1A9
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QK1A7
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.21	
Barium	**35**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QK1A8**
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QK1AA
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.040	
Cobalt	**0.74 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QK1A0**
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QK1AC
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QK1A1
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.56	
Manganese	**0.37 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QK1A2**
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.31	
Molybdenum	**7.3**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QK1AD**
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.14	
Nickel	**1.6 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QK1A3**
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QK1AE
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QK1A4
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.070	
Selenium	**3.7 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QK1AF**
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-19

TOTAL Metals

Lot-Sample #...: D7J040166-029 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QK1A5
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 0.020	
Zinc	**5.2 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QK1A6**
		Dilution Factor: 1		Analysis Time..: 05:39	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QK1AP
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QK1AR
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QK1AT**
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QK1AQ
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 22	
Potassium	**1400 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QK1AU**
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 240	
Magnesium	**26000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QK1AV**
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 43	
Sodium	**63000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QK1AW**
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QK1AX
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QK1AG
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-18

TOTAL Metals

Lot-Sample #...: D7J040166-030 **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QL1A9
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QL1A7
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.21	
Barium	**36**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QL1A8**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QL1AA
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.040	
Cobalt	**0.32 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QL1A0**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QL1AC
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QL1A1
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.56	
Manganese	**0.81 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QL1A2**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.31	
Molybdenum	**14**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QL1AD**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QL1A3**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QL1AE
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QL1A4
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.070	
Selenium	**2.8 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QL1AF**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-18

TOTAL Metals

Lot-Sample #...: D7J040166-030 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QL1A5
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.020	
Zinc	**3.3 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QL1A6**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QL1AP
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QL1AR
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 0.47	
Calcium	**93000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QL1AT**
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 34	
Iron	**24 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QL1AQ**
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 22	
Potassium	**1100 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QL1AU**
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 240	
Magnesium	**21000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QL1AV**
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 43	
Sodium	**59000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QL1AW**
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QL1AX
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QL1AG
		Dilution Factor: 1		Analysis Time..: 18:34	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-47A

TOTAL Metals

Lot-Sample #...: D7J040166-031 **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:05 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QM1A9
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QM1A7
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.21	
Barium	**37**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1A8**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QM1AA
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.040	
Cobalt	**0.18 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1A0**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.010	
Chromium	**0.94 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1AC**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QM1A1
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.56	
Manganese	**2.5**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1A2**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.31	
Molybdenum	**6.7**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1AD**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.14	
Nickel	**1.4 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1A3**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.30	
Lead	**0.39 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1AE**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.18	
Antimony	**0.092 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1A4**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.070	
Selenium	**1.3 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1AF**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-47A

TOTAL Metals

Lot-Sample #...: D7J040166-031 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.021 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1A5**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.020	
Zinc	**6.7 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QM1A6**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**48 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QM1AP**
		Dilution Factor: 1		Analysis Time..: 17:57	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QM1AR
		Dilution Factor: 1		Analysis Time..: 17:57	MDL.....: 0.47	
Calcium	**93000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QM1AT**
		Dilution Factor: 1		Analysis Time..: 17:57	MDL.....: 34	
Iron	**50 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QM1AQ**
		Dilution Factor: 1		Analysis Time..: 17:57	MDL.....: 22	
Potassium	**3900**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QM1AU**
		Dilution Factor: 1		Analysis Time..: 17:57	MDL.....: 240	
Magnesium	**19000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QM1AV**
		Dilution Factor: 1		Analysis Time..: 17:57	MDL.....: 43	
Sodium	**56000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QM1AW**
		Dilution Factor: 1		Analysis Time..: 17:57	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QM1AX
		Dilution Factor: 1		Analysis Time..: 17:57	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QM1AG
		Dilution Factor: 1		Analysis Time..: 18:39	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-51

TOTAL Metals

Lot-Sample #...: D7J040166-032 **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:00 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QP1A9
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QP1A7
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.21	
Barium	**25**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1A8**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QP1AA
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.040	
Cobalt	**0.17 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1A0**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.010	
Chromium	**0.53 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1AC**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QP1A1
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.56	
Manganese	**0.91 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1A2**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.31	
Molybdenum	**5.3**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1AD**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.14	
Nickel	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1A3**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.30	
Lead	**0.45 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1AE**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QP1A4
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.070	
Selenium	**1.9 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1AF**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-51

TOTAL Metals

Lot-Sample #...: D7J040166-032 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QP1A5
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.020	
Zinc	**3.7 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QP1A6**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**28 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QP1AP**
		Dilution Factor: 1		Analysis Time..: 18:02	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QP1AR
		Dilution Factor: 1		Analysis Time..: 18:02	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QP1AT**
		Dilution Factor: 1		Analysis Time..: 18:02	MDL.....: 34	
Iron	**38 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QP1AQ**
		Dilution Factor: 1		Analysis Time..: 18:02	MDL.....: 22	
Potassium	**1400 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QP1AU**
		Dilution Factor: 1		Analysis Time..: 18:02	MDL.....: 240	
Magnesium	**27000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QP1AV**
		Dilution Factor: 1		Analysis Time..: 18:02	MDL.....: 43	
Sodium	**70000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QP1AW**
		Dilution Factor: 1		Analysis Time..: 18:02	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QP1AX
		Dilution Factor: 1		Analysis Time..: 18:02	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QP1AG
		Dilution Factor: 1		Analysis Time..: 18:41	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27

TOTAL Metals

Lot-Sample #...: D7J040166-033 **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:00 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QQ1A9
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QQ1A7
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.21	
Barium	**39**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1A8**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QQ1AA
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.040	
Cobalt	**0.19 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1A0**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.010	
Chromium	**0.56 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1AC**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QQ1A1
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.56	
Manganese	**14**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1A2**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.31	
Molybdenum	**24**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1AD**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1A3**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.30	
Lead	**0.47 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1AE**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QQ1A4
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.070	
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QQ1AF
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-27

TOTAL Metals

Lot-Sample #...: D7J040166-033 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.024 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1A5**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 0.020	
Zinc	**5.7 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QQ1A6**
		Dilution Factor: 1		Analysis Time..: 06:08	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**47 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QQ1AP**
		Dilution Factor: 1		Analysis Time..: 18:07	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QQ1AR
		Dilution Factor: 1		Analysis Time..: 18:07	MDL.....: 0.47	
Calcium	**86000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QQ1AT**
		Dilution Factor: 1		Analysis Time..: 18:07	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QQ1AQ
		Dilution Factor: 1		Analysis Time..: 18:07	MDL.....: 22	
Potassium	**2100 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QQ1AU**
		Dilution Factor: 1		Analysis Time..: 18:07	MDL.....: 240	
Magnesium	**22000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QQ1AV**
		Dilution Factor: 1		Analysis Time..: 18:07	MDL.....: 43	
Sodium	**45000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QQ1AW**
		Dilution Factor: 1		Analysis Time..: 18:07	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QQ1AX
		Dilution Factor: 1		Analysis Time..: 18:07	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QQ1AG
		Dilution Factor: 1		Analysis Time..: 18:43	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-37

TOTAL Metals

Lot-Sample #...: D7J040166-034 **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:30 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QR1A9
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QR1A7
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.21	
Barium	**4.5**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1A8**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QR1AA
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.040	
Cobalt	**0.14 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1A0**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QR1AC
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.50	
Copper	**0.71 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1A1**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.56	
Manganese	**45**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1A2**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.31	
Molybdenum	**17**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1AD**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1A3**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.30	
Lead	**0.29 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1AE**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QR1A4
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.070	
Selenium	**1.1 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1AF**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-37

TOTAL Metals

Lot-Sample #...: D7J040166-034 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QR1A5
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 0.020	
Zinc	**3.8 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QR1A6**
		Dilution Factor: 1		Analysis Time..: 06:13	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**85 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QR1AP**
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QR1AR
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 0.47	
Calcium	**81000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QR1AT**
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QR1AQ
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 22	
Potassium	**2600 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QR1AU**
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 240	
Magnesium	**12000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QR1AV**
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 43	
Sodium	**42000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QR1AW**
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QR1AX
		Dilution Factor: 1		Analysis Time..: 18:13	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QR1AG
		Dilution Factor: 1		Analysis Time..: 18:44	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-36

TOTAL Metals

Lot-Sample #...: D7J040166-035 **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:10 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QT1A9
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.16	
Arsenic	**0.23 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1A7**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.21	
Barium	**25**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1A8**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QT1AA
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.040	
Cobalt	**0.36 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1A0**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.010	
Chromium	**0.94 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1AC**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.50	
Copper	**0.73 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1A1**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.56	
Manganese	**300**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1A2**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.31	
Molybdenum	**16**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1AD**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.14	
Nickel	**1.6 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1A3**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.30	
Lead	**0.91 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1AE**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QT1A4
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.070	
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QT1AF
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-36

TOTAL Metals

Lot-Sample #...: D7J040166-035 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QT1A5
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 0.020	
Zinc	**9.4 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QT1A6**
		Dilution Factor: 1		Analysis Time..: 06:18	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**170**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QT1AP**
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QT1AR
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 0.47	
Calcium	**85000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QT1AT**
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 34	
Iron	**300**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QT1AQ**
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 22	
Potassium	**4500**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QT1AU**
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 240	
Magnesium	**14000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QT1AV**
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 43	
Sodium	**47000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QT1AW**
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QT1AX
		Dilution Factor: 1		Analysis Time..: 18:18	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QT1AG
		Dilution Factor: 1		Analysis Time..: 18:46	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-48

TOTAL Metals

Lot-Sample #...: D7J040166-036 **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QV1A9
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QV1A7
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.21	
Barium	**54**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QV1A8**
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QV1AA
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.040	
Cobalt	**0.18 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QV1A0**
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.010	
Chromium	**0.62 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QV1AC**
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QV1A1
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.56	
Manganese	**160**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QV1A2**
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.31	
Molybdenum	**2.9**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QV1AD**
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.14	
Nickel	**1.7 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QV1A3**
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QV1AE
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QV1A4
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.070	
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QV1AF
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-48

TOTAL Metals

Lot-Sample #...: D7J040166-036 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QV1A5
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 0.020	
Zinc	**3.4 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QV1A6**
		Dilution Factor: 1		Analysis Time..: 06:23	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**44 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QV1AP**
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QV1AR
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 0.47	
Calcium	**100000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QV1AT**
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 34	
Iron	**130**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QV1AQ**
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 22	
Potassium	**2800 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QV1AU**
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 240	
Magnesium	**11000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QV1AV**
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 43	
Sodium	**61000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QV1AW**
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QV1AX
		Dilution Factor: 1		Analysis Time..: 18:23	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QV1AG
		Dilution Factor: 1		Analysis Time..: 18:48	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-33

TOTAL Metals

Lot-Sample #...: D7J040166-037 **Matrix.....:** WATER
Date Sampled...: 10/02/07 10:15 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QW1A9
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QW1A7
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.21	
Barium	**42**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QW1A8**
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QW1AA
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.040	
Cobalt	**0.13 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QW1A0**
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QW1AC
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QW1A1
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.56	
Manganese	**0.76 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QW1A2**
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.31	
Molybdenum	**18**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QW1AD**
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QW1A3**
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QW1AE
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QW1A4
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.070	
Selenium	**1.8 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QW1AF**
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-33

TOTAL Metals

Lot-Sample #...: D7J040166-037 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.021 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QW1A5**
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 0.020	
Zinc	**6.0 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QW1A6**
		Dilution Factor: 1		Analysis Time..: 06:28	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**33 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QW1AP**
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QW1AR
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 0.47	
Calcium	**99000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QW1AT**
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QW1AQ
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 22	
Potassium	**2400 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QW1AU**
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 240	
Magnesium	**22000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QW1AV**
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 43	
Sodium	**60000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QW1AW**
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J78QW1AX
		Dilution Factor: 1		Analysis Time..: 18:28	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QW1AG
		Dilution Factor: 1		Analysis Time..: 18:49	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: EMRE-1

TOTAL Metals

Lot-Sample #...: D7J040166-038 **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:40 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78QX1A9
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.16	
Arsenic	**0.61 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QX1A7**
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.21	
Barium	**38**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QX1A8**
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QX1AA
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.040	
Cobalt	**0.13 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QX1A0**
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QX1AC
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QX1A1
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.56	
Manganese	**0.35 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QX1A2**
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.31	
Molybdenum	**18**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QX1AD**
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QX1A3**
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QX1AE
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78QX1A4
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.070	
Selenium	**1.8 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QX1AF**
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: EMRE-1

TOTAL Metals

Lot-Sample #...: D7J040166-038 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78QX1A5
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 0.020	
Zinc	**3.5 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78QX1A6**
		Dilution Factor: 1		Analysis Time..: 06:33	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QX1AP
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78QX1AR
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 0.47	
Calcium	**83000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QX1AT**
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78QX1AQ
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 22	
Potassium	**1700 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QX1AU**
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 240	
Magnesium	**13000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QX1AV**
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 43	
Sodium	**53000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QX1AW**
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 92	
Vanadium	**3.5 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78QX1AX**
		Dilution Factor: 1		Analysis Time..: 18:33	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78QX1AG
		Dilution Factor: 1		Analysis Time..: 18:51	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-38

TOTAL Metals

Lot-Sample #...: D7J040166-039 **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:50 **Date Received..:** 10/04/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7278248						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J78Q01A9
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.16	
Arsenic	**0.35 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01A7**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.21	
Barium	**47**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01A8**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78Q01AA
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.040	
Cobalt	**0.11 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01A0**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.010	
Chromium	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01AC**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.50	
Copper	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01A1**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.56	
Manganese	**4.7**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01A2**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.31	
Molybdenum	**10**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01AD**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01A3**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.30	
Lead	**0.29 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01AE**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J78Q01A4
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.070	
Selenium	**0.96 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01AF**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-38

TOTAL Metals

Lot-Sample #...: D7J040166-039 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J78Q01A5
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 0.020	
Zinc	**3.3 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J78Q01A6**
		Dilution Factor: 1		Analysis Time..: 06:38	MDL.....: 2.0	
Prep Batch #...: 7278274						
Aluminum	**20 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78Q01AP**
		Dilution Factor: 1		Analysis Time..: 18:38	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J78Q01AR
		Dilution Factor: 1		Analysis Time..: 18:38	MDL.....: 0.47	
Calcium	**70000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78Q01AT**
		Dilution Factor: 1		Analysis Time..: 18:38	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J78Q01AQ
		Dilution Factor: 1		Analysis Time..: 18:38	MDL.....: 22	
Potassium	**1500 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78Q01AU**
		Dilution Factor: 1		Analysis Time..: 18:38	MDL.....: 240	
Magnesium	**12000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78Q01AV**
		Dilution Factor: 1		Analysis Time..: 18:38	MDL.....: 43	
Sodium	**42000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78Q01AW**
		Dilution Factor: 1		Analysis Time..: 18:38	MDL.....: 92	
Vanadium	**2.6 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J78Q01AX**
		Dilution Factor: 1		Analysis Time..: 18:38	MDL.....: 2.5	
Prep Batch #...: 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J78Q01AG
		Dilution Factor: 1		Analysis Time..: 18:53	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: EMRE2

TOTAL Metals

Lot-Sample #...: D7J050164-001 **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:40 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CCM1AX
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.16	
Arsenic	**0.35 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCM1AV**
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.21	
Barium	**35**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCM1AW**
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CCM1A0
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.040	
Cobalt	**0.12 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCM1AM**
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCM1A1
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCM1AN
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.56	
Manganese	**0.56 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCM1AP**
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.31	
Molybdenum	**16**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCM1A2**
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.14	
Nickel	**1.0 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCM1AQ**
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CCM1A3
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCM1AR
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.070	
Selenium	**2.2 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCM1A4**
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: EMRE2

TOTAL Metals

Lot-Sample #...: D7J050164-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CCM1AT
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 0.020	
Zinc	**3.0 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCM1AU**
		Dilution Factor: 1		Analysis Time..: 07:07	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	**18 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCM1AD**
		Dilution Factor: 1		Analysis Time..: 05:18	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CCM1AF
		Dilution Factor: 1		Analysis Time..: 05:18	MDL.....: 0.47	
Calcium	**89000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCM1AG**
		Dilution Factor: 1		Analysis Time..: 05:18	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CCM1AE
		Dilution Factor: 1		Analysis Time..: 05:18	MDL.....: 22	
Potassium	**1700 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCM1AH**
		Dilution Factor: 1		Analysis Time..: 05:18	MDL.....: 240	
Magnesium	**14000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCM1AJ**
		Dilution Factor: 1		Analysis Time..: 05:18	MDL.....: 43	
Sodium	**57000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCM1AK**
		Dilution Factor: 1		Analysis Time..: 05:18	MDL.....: 92	
Vanadium	**3.0 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCM1AL**
		Dilution Factor: 1		Analysis Time..: 05:18	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CCM1A5
		Dilution Factor: 1		Analysis Time..: 19:03	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-22

TOTAL Metals

Lot-Sample #...: D7J050164-002 **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:25 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CCV1A9
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CCV1A7
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.21	
Barium	**37**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1A8**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CCV1AA
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.040	
Cobalt	**0.18 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1A0**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCV1AC
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCV1A1
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.56	
Manganese	**1.2**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1A2**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.31	
Molybdenum	**19**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1AD**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1A3**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.30	
Lead	**0.19 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1AE**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCV1A4
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.070	
Selenium	**1.9 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1AF**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-22

TOTAL Metals

Lot-Sample #...: D7J050164-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.020 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1A5**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 0.020	
Zinc	**6.5 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCV1A6**
		Dilution Factor: 1		Analysis Time..: 07:12	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CCV1AP
		Dilution Factor: 1		Analysis Time..: 05:23	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CCV1AR
		Dilution Factor: 1		Analysis Time..: 05:23	MDL.....: 0.47	
Calcium	**98000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCV1AT**
		Dilution Factor: 1		Analysis Time..: 05:23	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CCV1AQ
		Dilution Factor: 1		Analysis Time..: 05:23	MDL.....: 22	
Potassium	**1700 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCV1AU**
		Dilution Factor: 1		Analysis Time..: 05:23	MDL.....: 240	
Magnesium	**22000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCV1AV**
		Dilution Factor: 1		Analysis Time..: 05:23	MDL.....: 43	
Sodium	**58000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCV1AW**
		Dilution Factor: 1		Analysis Time..: 05:23	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CCV1AX
		Dilution Factor: 1		Analysis Time..: 05:23	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CCV1AG
		Dilution Factor: 1		Analysis Time..: 19:04	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-21

TOTAL Metals

Lot-Sample #...: D7J050164-003 **Matrix.....:** WATER
Date Sampled...: 10/03/07 15:40 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CCX1A9
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CCX1A7
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.21	
Barium	**36**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCX1A8**
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CCX1AA
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.040	
Cobalt	**0.71 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCX1A0**
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCX1AC
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCX1A1
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.56	
Manganese	**2.2**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCX1A2**
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.31	
Molybdenum	**7.5**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCX1AD**
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCX1A3**
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.30	
Lead	**0.19 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCX1AE**
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CCX1A4
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.070	
Selenium	**1.9 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCX1AF**
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-21

TOTAL Metals

Lot-Sample #...: D7J050164-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CCX1A5
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 0.020	
Zinc	**3.2 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CCX1A6**
		Dilution Factor: 1		Analysis Time..: 07:16	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	**32 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCX1AP**
		Dilution Factor: 1		Analysis Time..: 05:28	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CCX1AR
		Dilution Factor: 1		Analysis Time..: 05:28	MDL.....: 0.47	
Calcium	**100000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCX1AT**
		Dilution Factor: 1		Analysis Time..: 05:28	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CCX1AQ
		Dilution Factor: 1		Analysis Time..: 05:28	MDL.....: 22	
Potassium	**1700 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCX1AU**
		Dilution Factor: 1		Analysis Time..: 05:28	MDL.....: 240	
Magnesium	**24000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCX1AV**
		Dilution Factor: 1		Analysis Time..: 05:28	MDL.....: 43	
Sodium	**61000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CCX1AW**
		Dilution Factor: 1		Analysis Time..: 05:28	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CCX1AX
		Dilution Factor: 1		Analysis Time..: 05:28	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CCX1AG
		Dilution Factor: 1		Analysis Time..: 19:06	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTAWM

TOTAL Metals

Lot-Sample #...: D7J050164-004 **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CC01A9
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.16	
Arsenic	**0.34 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01A7**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.21	
Barium	**52**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01A8**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CC01AA
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.040	
Cobalt	**0.22 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01A0**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.010	
Chromium	**0.62 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01AC**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.50	
Copper	**0.94 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01A1**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.56	
Manganese	**570**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01A2**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.31	
Molybdenum	**9.5**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01AD**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01A3**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.30	
Lead	**0.94 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01AE**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CC01A4
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.070	
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CC01AF
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTAWM

TOTAL Metals

Lot-Sample #...: D7J050164-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CC01A5
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 0.020	
Zinc	**18 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC01A6**
		Dilution Factor: 1		Analysis Time..: 19:13	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	**33 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC01AP**
		Dilution Factor: 1		Analysis Time..: 04:57	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CC01AR
		Dilution Factor: 1		Analysis Time..: 04:57	MDL.....: 0.47	
Calcium	**100000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC01AT**
		Dilution Factor: 1		Analysis Time..: 04:57	MDL.....: 34	
Iron	**7000 J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC01AQ**
		Dilution Factor: 1		Analysis Time..: 04:57	MDL.....: 22	
Potassium	**2000 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC01AU**
		Dilution Factor: 1		Analysis Time..: 04:57	MDL.....: 240	
Magnesium	**18000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC01AV**
		Dilution Factor: 1		Analysis Time..: 04:57	MDL.....: 43	
Sodium	**60000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC01AW**
		Dilution Factor: 1		Analysis Time..: 04:57	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CC01AX
		Dilution Factor: 1		Analysis Time..: 04:57	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CC01AG
		Dilution Factor: 1		Analysis Time..: 19:07	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14

TOTAL Metals

Lot-Sample #...: D7J050164-005 **Matrix.....:** WATER
Date Sampled...: 10/04/07 10:35 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	**0.72 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A9**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.16	
Arsenic	**0.25 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A7**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.21	
Barium	**55**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A8**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.29	
Cadmium	**0.086 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31AA**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.040	
Cobalt	**1.2**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A0**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.010	
Chromium	**3.4**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31AC**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.50	
Copper	**2.6**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A1**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.56	
Manganese	**97**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A2**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.31	
Molybdenum	**14**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31AD**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.14	
Nickel	**3.6**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A3**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.30	
Lead	**2.4**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31AE**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.18	
Antimony	**0.094 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A4**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.070	
Selenium	**2.9 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31AF**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-14

TOTAL Metals

Lot-Sample #...: D7J050164-005 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.030 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A5**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.020	
Zinc	**16 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC31A6**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	**1600**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC31AP**
		Dilution Factor: 1		Analysis Time..: 05:49	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CC31AR
		Dilution Factor: 1		Analysis Time..: 05:49	MDL.....: 0.47	
Calcium	**92000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC31AT**
		Dilution Factor: 1		Analysis Time..: 05:49	MDL.....: 34	
Iron	**2900 J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC31AQ**
		Dilution Factor: 1		Analysis Time..: 05:49	MDL.....: 22	
Potassium	**1900 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC31AU**
		Dilution Factor: 1		Analysis Time..: 05:49	MDL.....: 240	
Magnesium	**26000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC31AV**
		Dilution Factor: 1		Analysis Time..: 05:49	MDL.....: 43	
Sodium	**57000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC31AW**
		Dilution Factor: 1		Analysis Time..: 05:49	MDL.....: 92	
Vanadium	**4.1 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC31AX**
		Dilution Factor: 1		Analysis Time..: 05:49	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CC31AG
		Dilution Factor: 1		Analysis Time..: 19:12	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: SMR1A

TOTAL Metals

Lot-Sample #...: D7J050164-006 **Matrix.....:** WATER
Date Sampled...: 10/04/07 09:10 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CC61A9
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.16	
Arsenic	**0.36 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61A7**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.21	
Barium	**34**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61A8**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CC61AA
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.040	
Cobalt	**0.091 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61A0**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.010	
Chromium	**1.0 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61AC**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.50	
Copper	**2.8**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61A1**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.56	
Manganese	**0.94 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61A2**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.31	
Molybdenum	**4.5**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61AD**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.14	
Nickel	**1.2 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61A3**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.30	
Lead	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61AE**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CC61A4
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.070	
Selenium	**2.0 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61AF**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: SMR1A

TOTAL Metals

Lot-Sample #...: D7J050164-006 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CC61A5
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 0.020	
Zinc	**120 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC61A6**
		Dilution Factor: 1		Analysis Time..: 19:42	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CC61AP
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CC61AR
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 0.47	
Calcium	**78000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC61AT**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 34	
Iron	**42 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC61AQ**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 22	
Potassium	**2000 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC61AU**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 240	
Magnesium	**48000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC61AV**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 43	
Sodium	**30000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC61AW**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 92	
Vanadium	**3.2 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC61AX**
		Dilution Factor: 1		Analysis Time..: 05:54	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CC61AG
		Dilution Factor: 1		Analysis Time..: 19:14	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-24

TOTAL Metals

Lot-Sample #...: D7J050164-007 **Matrix.....:** WATER
Date Sampled...: 10/04/07 11:40 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CC81A9
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.16	
Arsenic	**0.21 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC81A7**
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.21	
Barium	**30**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC81A8**
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CC81AA
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.040	
Cobalt	**0.34 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC81A0**
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.010	
Chromium	**2.0**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC81AC**
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CC81A1
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.56	
Manganese	**150**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC81A2**
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.31	
Molybdenum	**7.8**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC81AD**
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.14	
Nickel	**2.2**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC81A3**
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CC81AE
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CC81A4
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.070	
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CC81AF
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-24

TOTAL Metals

Lot-Sample #...: D7J050164-007 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CC81A5
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 0.020	
Zinc	**3.6 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC81A6**
		Dilution Factor: 1		Analysis Time..: 19:47	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	**52 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC81AP**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CC81AR
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC81AT**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 34	
Iron	**390 J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC81AQ**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 22	
Potassium	**1300 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC81AU**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 240	
Magnesium	**28000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC81AV**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 43	
Sodium	**74000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC81AW**
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CC81AX
		Dilution Factor: 1		Analysis Time..: 05:59	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CC81AG
		Dilution Factor: 1		Analysis Time..: 19:19	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-5

TOTAL Metals

Lot-Sample #...: D7J050164-008 **Matrix.....:** WATER
Date Sampled...: 10/04/07 12:40 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CC91A9
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.16	
Arsenic	**0.25 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91A7**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.21	
Barium	**31**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91A8**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.29	
Cadmium	**0.040 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91AA**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.040	
Cobalt	**0.50 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91A0**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.010	
Chromium	**2.3**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91AC**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.50	
Copper	**0.88 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91A1**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.56	
Manganese	**580**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91A2**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.31	
Molybdenum	**4.0**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91AD**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.14	
Nickel	**3.5**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91A3**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.30	
Lead	**0.93 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91AE**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CC91A4
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.070	
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CC91AF
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-5

TOTAL Metals

Lot-Sample #...: D7J050164-008 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CC91A5
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.020	
Zinc	**8.2 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CC91A6**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	**540**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC91AP**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CC91AR
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 0.47	
Calcium	**210000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC91AT**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 34	
Iron	**2200 J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC91AQ**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 22	
Potassium	**3400**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC91AU**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 240	
Magnesium	**37000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC91AV**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 43	
Sodium	**61000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CC91AW**
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CC91AX
		Dilution Factor: 1		Analysis Time..: 06:04	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CC91AG
		Dilution Factor: 1		Analysis Time..: 19:21	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: BONNEY SPRING

TOTAL Metals

Lot-Sample #...: D7J050164-009 **Matrix.....:** WATER
Date Sampled...: 10/04/07 13:45 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDA1A9
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDA1A7
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.21	
Barium	**46**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1A8**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.29	
Cadmium	**0.75 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1AA**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.040	
Cobalt	**0.24 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1A0**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.010	
Chromium	**0.53 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1AC**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.50	
Copper	**1.9 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1A1**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.56	
Manganese	**120**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1A2**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.31	
Molybdenum	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1AD**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.14	
Nickel	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1A3**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.30	
Lead	**6.7**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1AE**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.18	
Antimony	**0.32 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1A4**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.070	
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDA1AF
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: BONNEY SPRING

TOTAL Metals

Lot-Sample #...: D7J050164-009 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDA1A5
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.020	
Zinc	**410 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDA1A6**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	**54 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDA1AP**
		Dilution Factor: 1		Analysis Time..: 06:09	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CDA1AR
		Dilution Factor: 1		Analysis Time..: 06:09	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDA1AT**
		Dilution Factor: 1		Analysis Time..: 06:09	MDL.....: 34	
Iron	**1500 J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDA1AQ**
		Dilution Factor: 1		Analysis Time..: 06:09	MDL.....: 22	
Potassium	**2100 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDA1AU**
		Dilution Factor: 1		Analysis Time..: 06:09	MDL.....: 240	
Magnesium	**59000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDA1AV**
		Dilution Factor: 1		Analysis Time..: 06:09	MDL.....: 43	
Sodium	**24000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDA1AW**
		Dilution Factor: 1		Analysis Time..: 06:09	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CDA1AX
		Dilution Factor: 1		Analysis Time..: 06:09	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CDA1AG
		Dilution Factor: 1		Analysis Time..: 19:22	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: MARKHAM SPRING

TOTAL Metals

Lot-Sample #...: D7J050164-010 **Matrix.....:** WATER
Date Sampled...: 10/04/07 12:00 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDD1A9
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDD1A7
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.21	
Barium	**39**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDD1A8**
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDD1AA
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.040	
Cobalt	**0.18 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDD1A0**
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDD1AC
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDD1A1
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.56	
Manganese	**15**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDD1A2**
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.31	
Molybdenum	**12**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDD1AD**
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.14	
Nickel	**1.1 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDD1A3**
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDD1AE
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDD1A4
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.070	
Selenium	**0.81 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDD1AF**
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: MARKHAM SPRING

TOTAL Metals

Lot-Sample #...: D7J050164-010 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDD1A5
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 0.020	
Zinc	**13 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDD1A6**
		Dilution Factor: 1		Analysis Time..: 20:11	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	**19 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDD1AP**
		Dilution Factor: 1		Analysis Time..: 06:15	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CDD1AR
		Dilution Factor: 1		Analysis Time..: 06:15	MDL.....: 0.47	
Calcium	**99000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDD1AT**
		Dilution Factor: 1		Analysis Time..: 06:15	MDL.....: 34	
Iron	**110 J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDD1AQ**
		Dilution Factor: 1		Analysis Time..: 06:15	MDL.....: 22	
Potassium	**620 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDD1AU**
		Dilution Factor: 1		Analysis Time..: 06:15	MDL.....: 240	
Magnesium	**25000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDD1AV**
		Dilution Factor: 1		Analysis Time..: 06:15	MDL.....: 43	
Sodium	**47000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDD1AW**
		Dilution Factor: 1		Analysis Time..: 06:15	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CDD1AX
		Dilution Factor: 1		Analysis Time..: 06:15	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CDD1AG
		Dilution Factor: 1		Analysis Time..: 19:24	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-26

TOTAL Metals

Lot-Sample #...: D7J050164-011 **Matrix.....:** WATER
Date Sampled...: 10/04/07 10:00 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDP1A9
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDP1A7
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.21	
Barium	**30**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1A8**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.29	
Cadmium	**0.13 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1AA**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.040	
Cobalt	**0.24 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1A0**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDP1AC
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDP1A1
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.56	
Manganese	**35**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1A2**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.31	
Molybdenum	**44**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1AD**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.14	
Nickel	**1.5 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1A3**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.30	
Lead	**3.2**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1AE**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.18	
Antimony	**0.73 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1A4**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.070	
Selenium	**2.5 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1AF**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-26

TOTAL Metals

Lot-Sample #...: D7J050164-011 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.050 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1A5**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 0.020	
Zinc	**4.6 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDP1A6**
		Dilution Factor: 1		Analysis Time..: 20:16	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CDP1AP
		Dilution Factor: 1		Analysis Time..: 06:20	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CDP1AR
		Dilution Factor: 1		Analysis Time..: 06:20	MDL.....: 0.47	
Calcium	**110000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDP1AT**
		Dilution Factor: 1		Analysis Time..: 06:20	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CDP1AQ
		Dilution Factor: 1		Analysis Time..: 06:20	MDL.....: 22	
Potassium	**3000**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDP1AU**
		Dilution Factor: 1		Analysis Time..: 06:20	MDL.....: 240	
Magnesium	**26000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDP1AV**
		Dilution Factor: 1		Analysis Time..: 06:20	MDL.....: 43	
Sodium	**70000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDP1AW**
		Dilution Factor: 1		Analysis Time..: 06:20	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CDP1AX
		Dilution Factor: 1		Analysis Time..: 06:20	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CDP1AG
		Dilution Factor: 1		Analysis Time..: 19:26	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-29

TOTAL Metals

Lot-Sample #...: D7J050164-012 **Matrix.....:** WATER
Date Sampled...: 10/04/07 11:10 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDQ1A9
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.16	
Arsenic	**0.22 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1A7**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.21	
Barium	**29**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1A8**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.29	
Cadmium	**0.24 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1AA**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.040	
Cobalt	**0.27 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1A0**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDQ1AC
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDQ1A1
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.56	
Manganese	**13**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1A2**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.31	
Molybdenum	**11**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1AD**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.14	
Nickel	**1.5 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1A3**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDQ1AE
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDQ1A4
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.070	
Selenium	**2.2 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1AF**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-29

TOTAL Metals

Lot-Sample #...: D7J050164-012 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.71 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1A5**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 0.020	
Zinc	**4.4 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDQ1A6**
		Dilution Factor: 1		Analysis Time..: 20:20	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CDQ1AP
		Dilution Factor: 1		Analysis Time..: 06:25	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CDQ1AR
		Dilution Factor: 1		Analysis Time..: 06:25	MDL.....: 0.47	
Calcium	**120000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDQ1AT**
		Dilution Factor: 1		Analysis Time..: 06:25	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CDQ1AQ
		Dilution Factor: 1		Analysis Time..: 06:25	MDL.....: 22	
Potassium	**1200 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDQ1AU**
		Dilution Factor: 1		Analysis Time..: 06:25	MDL.....: 240	
Magnesium	**27000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDQ1AV**
		Dilution Factor: 1		Analysis Time..: 06:25	MDL.....: 43	
Sodium	**72000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDQ1AW**
		Dilution Factor: 1		Analysis Time..: 06:25	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CDQ1AX
		Dilution Factor: 1		Analysis Time..: 06:25	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	**0.027 B**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J8CDQ1AG**
		Dilution Factor: 1		Analysis Time..: 19:27	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-32

TOTAL Metals

Lot-Sample #...: D7J050164-013 **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:30 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1A9
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1A7
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.21	
Barium	**27**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDT1A8**
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1AA
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.040	
Cobalt	**0.13 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDT1A0**
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1AC
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1A1
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.56	
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1A2
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.31	
Molybdenum	**13**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDT1AD**
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.14	
Nickel	**1.0 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDT1A3**
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.30	
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1AE
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1A4
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.070	
Selenium	**2.5 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDT1AF**
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-32

TOTAL Metals

Lot-Sample #...: D7J050164-013 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDT1A5
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 0.020	
Zinc	**2.6 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDT1A6**
		Dilution Factor: 1		Analysis Time..: 20:25	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CDT1AP
		Dilution Factor: 1		Analysis Time..: 06:30	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CDT1AR
		Dilution Factor: 1		Analysis Time..: 06:30	MDL.....: 0.47	
Calcium	**96000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDT1AT**
		Dilution Factor: 1		Analysis Time..: 06:30	MDL.....: 34	
Iron	**22 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDT1AQ**
		Dilution Factor: 1		Analysis Time..: 06:30	MDL.....: 22	
Potassium	**940 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDT1AU**
		Dilution Factor: 1		Analysis Time..: 06:30	MDL.....: 240	
Magnesium	**20000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDT1AV**
		Dilution Factor: 1		Analysis Time..: 06:30	MDL.....: 43	
Sodium	**67000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDT1AW**
		Dilution Factor: 1		Analysis Time..: 06:30	MDL.....: 92	
Vanadium	**2.5 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDT1AX**
		Dilution Factor: 1		Analysis Time..: 06:30	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CDT1AG
		Dilution Factor: 1		Analysis Time..: 19:29	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-28

TOTAL Metals

Lot-Sample #...: D7J050164-014 **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:15 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDW1A9
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDW1A7
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.21	
Barium	**31**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDW1A8**
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDW1AA
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.040	
Cobalt	**0.15 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDW1A0**
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDW1AC
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.50	
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDW1A1
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.56	
Manganese	**1.3**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDW1A2**
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.31	
Molybdenum	**15**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDW1AD**
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.14	
Nickel	**1.0 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDW1A3**
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.30	
Lead	**0.31 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDW1AE**
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDW1A4
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.070	
Selenium	**2.6 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDW1AF**
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-28

TOTAL Metals

Lot-Sample #...: D7J050164-014 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDW1A5
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 0.020	
Zinc	**3.5 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDW1A6**
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CDW1AP
		Dilution Factor: 1		Analysis Time..: 06:35	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CDW1AR
		Dilution Factor: 1		Analysis Time..: 06:35	MDL.....: 0.47	
Calcium	**90000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDW1AT**
		Dilution Factor: 1		Analysis Time..: 06:35	MDL.....: 34	
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CDW1AQ
		Dilution Factor: 1		Analysis Time..: 06:35	MDL.....: 22	
Potassium	**1000 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDW1AU**
		Dilution Factor: 1		Analysis Time..: 06:35	MDL.....: 240	
Magnesium	**20000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDW1AV**
		Dilution Factor: 1		Analysis Time..: 06:35	MDL.....: 43	
Sodium	**62000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDW1AW**
		Dilution Factor: 1		Analysis Time..: 06:35	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CDW1AX
		Dilution Factor: 1		Analysis Time..: 06:35	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CDW1AG
		Dilution Factor: 1		Analysis Time..: 19:31	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-3

TOTAL Metals

Lot-Sample #...: D7J050164-015 **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:35 **Date Received..:** 10/05/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7282361						
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDX1A9
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.16	
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8CDX1A7
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.21	
Barium	**29**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDX1A8**
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.29	
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDX1AA
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.040	
Cobalt	**0.11 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDX1A0**
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.010	
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDX1AC
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.50	
Copper	**0.91 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDX1A1**
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.56	
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDX1A2
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.31	
Molybdenum	**10**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDX1AD**
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.14	
Nickel	**0.97 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDX1A3**
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.30	
Lead	**0.23 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDX1AE**
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8CDX1A4
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.070	
Selenium	**1.6 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDX1AF**
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: HTA-3

TOTAL Metals

Lot-Sample #...: D7J050164-015 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8CDX1A5
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 0.020	
Zinc	**110 J**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8CDX1A6**
		Dilution Factor: 1		Analysis Time..: 20:35	MDL.....: 2.0	
Prep Batch #...: 7282375						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8CDX1AP
		Dilution Factor: 1		Analysis Time..: 06:56	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8CDX1AR
		Dilution Factor: 1		Analysis Time..: 06:56	MDL.....: 0.47	
Calcium	**89000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDX1AT**
		Dilution Factor: 1		Analysis Time..: 06:56	MDL.....: 34	
Iron	**42 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDX1AQ**
		Dilution Factor: 1		Analysis Time..: 06:56	MDL.....: 22	
Potassium	**730 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDX1AU**
		Dilution Factor: 1		Analysis Time..: 06:56	MDL.....: 240	
Magnesium	**20000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDX1AV**
		Dilution Factor: 1		Analysis Time..: 06:56	MDL.....: 43	
Sodium	**63000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8CDX1AW**
		Dilution Factor: 1		Analysis Time..: 06:56	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8CDX1AX
		Dilution Factor: 1		Analysis Time..: 06:56	MDL.....: 2.5	
Prep Batch #...: 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J8CDX1AG
		Dilution Factor: 1		Analysis Time..: 19:32	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: SMR2

TOTAL Metals

Lot-Sample #...: D7J130200-001 **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7290371						
Silver	ND	5.0	ug/L	SW846 6020	10/23-11/09/07	J8X5T1AX
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.16	
Arsenic	**0.67 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AV**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.21	
Barium	**37**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AW**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.29	
Cadmium	**0.47 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1A0**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.040	
Cobalt	**0.75 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AM**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.010	
Chromium	**6.4**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1A1**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.50	
Copper	**2.4**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AN**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.56	
Manganese	**120**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AP**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.31	
Molybdenum	**3.6**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1A2**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.14	
Nickel	**3.1**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AQ**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.30	
Lead	**0.82 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1A3**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.18	
Antimony	**0.074 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AR**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.070	
Selenium	**3.5 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1A4**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: SMR2

TOTAL Metals

Lot-Sample #...: D7J130200-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.025 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AT**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 0.020	
Zinc	**9.3 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-11/09/07**	**J8X5T1AU**
		Dilution Factor: 1		Analysis Time..: 00:04	MDL.....: 2.0	
Prep Batch #...: 7290444						
Aluminum	**450 J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5T1AD**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8X5T1AF
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 0.47	
Calcium	**94000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5T1AG**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 34	
Iron	**3500 L**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5T1AE**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 22	
Potassium	**1900 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5T1AH**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 240	
Magnesium	**37000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5T1AJ**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 43	
Sodium	**33000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5T1AK**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 92	
Vanadium	**5.0 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5T1AL**
		Dilution Factor: 1		Analysis Time..: 03:56	MDL.....: 2.5	
Prep Batch #...: 7292394						
Mercury	ND	0.20	ug/L	SW846 7470A	10/30/07	J8X5T1A5
		Dilution Factor: 1		Analysis Time..: 22:43	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

U.S. Geological Survey (USGS)

Client Sample ID: SMR4

TOTAL Metals

Lot-Sample #...: D7J130200-002 **Matrix.....:** WATER
Date Sampled...: 10/10/07 15:30 **Date Received..:** 10/13/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7290371						
Silver	ND	5.0	ug/L	SW846 6020	10/23-11/11/07	J8X5V1A9
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.16	
Arsenic	**0.33 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1A7**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.21	
Barium	**14**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1A8**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.29	
Cadmium	**0.065 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1AA**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.040	
Cobalt	**0.17 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1A0**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.010	
Chromium	**1.3 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1AC**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.50	
Copper	**2.5**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1A1**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.56	
Manganese	**51**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1A2**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.31	
Molybdenum	**2.1**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1AD**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.14	
Nickel	**0.90 B**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1A3**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.30	
Lead	**4.8 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1AE**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-11/11/07	J8X5V1A4
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.070	
Selenium	**0.84 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1AF**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.70	

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U.S. Geological Survey (USGS)

Client Sample ID: SMR4

TOTAL Metals

Lot-Sample #...: D7J130200-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.023 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1A5**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 0.020	
Zinc	**6.0 B,J**	**10**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5V1A6**
		Dilution Factor: 1		Analysis Time..: 16:59	MDL.....: 2.0	
Prep Batch #...: 7290444						
Aluminum	**29 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5V1AP**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8X5V1AR
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 0.47	
Calcium	**9200**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5V1AT**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 34	
Iron	**6600 L**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5V1AQ**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 22	
Potassium	**2800 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5V1AU**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 240	
Magnesium	**6200**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5V1AV**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 43	
Sodium	**58000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5V1AW**
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 92	
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8X5V1AX
		Dilution Factor: 1		Analysis Time..: 04:17	MDL.....: 2.5	
Prep Batch #...: 7292394						
Mercury	ND	0.20	ug/L	SW846 7470A	10/30/07	J8X5V1AG
		Dilution Factor: 1		Analysis Time..: 22:48	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

U.S. Geological Survey (USGS)

Client Sample ID: SMR3

TOTAL Metals

Lot-Sample #...: D7J130200-003 **Matrix.....:** WATER
Date Sampled...: 10/11/07 12:25 **Date Received..:** 10/13/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7290371						
Silver	ND	5.0	ug/L	SW846 6020	10/23-11/11/07	J8X5W1A9
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.16	
Arsenic	**1.0 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1A7**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.21	
Barium	**34**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1A8**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.29	
Cadmium	**0.30 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1AA**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.040	
Cobalt	**0.55 B,J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1A0**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.010	
Chromium	**4.3**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1AC**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.50	
Copper	**2.0**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1A1**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.56	
Manganese	**210**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1A2**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.31	
Molybdenum	**3.2**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1AD**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.14	
Nickel	**5.3**	**2.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1A3**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.30	
Lead	**8.9 J**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1AE**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.18	
Antimony	ND	2.0	ug/L	SW846 6020	10/23-11/11/07	J8X5W1A4
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.070	
Selenium	**2.6 B,J**	**5.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1AF**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.70	

(Continued on next page)

U.S. Geological Survey (USGS)

Client Sample ID: SMR3

TOTAL Metals

Lot-Sample #...: D7J130200-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.021 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1A5**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.020	
Zinc	**100 J**	**10**	**ug/L**	**SW846 6020**	**10/23-11/11/07**	**J8X5W1A6**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 2.0	
Prep Batch #...: 7290444						
Aluminum	**30 B,J**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5W1AP**
		Dilution Factor: 1		Analysis Time..: 04:22	MDL.....: 18	
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8X5W1AR
		Dilution Factor: 1		Analysis Time..: 04:22	MDL.....: 0.47	
Calcium	**86000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5W1AT**
		Dilution Factor: 1		Analysis Time..: 04:22	MDL.....: 34	
Iron	**13000 L**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5W1AQ**
		Dilution Factor: 1		Analysis Time..: 04:22	MDL.....: 22	
Potassium	**2100 B**	**3000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5W1AU**
		Dilution Factor: 1		Analysis Time..: 04:22	MDL.....: 240	
Magnesium	**49000**	**200**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5W1AV**
		Dilution Factor: 1		Analysis Time..: 04:22	MDL.....: 43	
Sodium	**37000**	**1000**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5W1AW**
		Dilution Factor: 1		Analysis Time..: 04:22	MDL.....: 92	
Vanadium	**5.2 B**	**10**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8X5W1AX**
		Dilution Factor: 1		Analysis Time..: 04:22	MDL.....: 2.5	
Prep Batch #...: 7292394						
Mercury	ND	0.20	ug/L	SW846 7470A	10/30/07	J8X5W1AG
		Dilution Factor: 1		Analysis Time..: 22:50	MDL.....: 0.027	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-45

General Chemistry

Lot-Sample #...: D7J040166-001 **Work Order #...:** J78NV **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.16 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 16:13	MDL.....: 0.11	
Chloride	**24 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 16:13	MDL.....: 0.25	
Fluoride	**3.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 16:13	MDL.....: 0.060	
Nitrate-Nitrite	**6.6**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 16:13	MDL.....: 0.19	
Sulfate	**130 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 09:10	MDL.....: 1.2	
Total Alkalinity	**160 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**500**	**10**	**mg/L**	**MCAWW 160.1**	**10/08/07**	**7281482**
		Dilution Factor: 1		Analysis Time..: 18:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16

General Chemistry

Lot-Sample #...: D7J040166-002 **Work Order #...:** J78N7 **Matrix.....:** WATER
Date Sampled...: 10/02/07 17:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.26**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 16:29	MDL.....: 0.11	
Chloride	**43 J,Q**	**15**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278594**
		Dilution Factor: 5		Analysis Time..: 09:26	MDL.....: 1.3	
Fluoride	**3.9**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 16:29	MDL.....: 0.060	
Nitrate-Nitrite	**10 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 16:29	MDL.....: 0.19	
Sulfate	**160 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 09:26	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**640**	**10**	**mg/L**	**MCAWW 160.1**	**10/08/07**	**7281482**
		Dilution Factor: 1		Analysis Time..: 18:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-98

General Chemistry

Lot-Sample #...: D7J040166-003 **Work Order #...:** J78N9 **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:30 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.21**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 20:23	MDL.....: 0.11	
Chloride	**31**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 20:23	MDL.....: 0.25	
Fluoride	**4.4**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 20:23	MDL.....: 0.060	
Nitrate-Nitrite	**4.5**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1		Analysis Time..: 20:23	MDL.....: 0.19	
Sulfate	**150 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 22:16	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**550**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-43

General Chemistry

Lot-Sample #...: D7J040166-004 **Work Order #...:** J78PA **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.23**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 20:39	MDL.....: 0.11	
Chloride	**37**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 20:39	MDL.....: 0.25	
Fluoride	**3.6**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 20:39	MDL.....: 0.060	
Nitrate-Nitrite	**4.4**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1		Analysis Time..: 20:39	MDL.....: 0.19	
Sulfate	**180 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 22:33	MDL.....: 1.2	
Total Alkalinity	**200 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**580**	**10**	**mg/L**	**MCAWW 160.1**	**10/08/07**	**7281479**
		Dilution Factor: 1		Analysis Time..: 18:20	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-31

General Chemistry

Lot-Sample #...: D7J040166-005 **Work Order #...:** J78PC **Matrix.....:** WATER
Date Sampled...: 10/01/07 17:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.23**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 20:56	MDL.....: 0.11	
Chloride	**37**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 20:56	MDL.....: 0.25	
Fluoride	**4.0**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 20:56	MDL.....: 0.060	
Nitrate-Nitrite	**3.5**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1		Analysis Time..: 20:56	MDL.....: 0.19	
Sulfate	**170 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 22:50	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**570**	**10**	**mg/L**	**MCAWW 160.1**	**10/08/07**	**7281479**
		Dilution Factor: 1		Analysis Time..: 18:20	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-50

General Chemistry

Lot-Sample #...: D7J040166-006 **Work Order #...:** J78PD **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:40 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.18 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 22:03	MDL.....: 0.11	
Chloride	**30**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 22:03	MDL.....: 0.25	
Fluoride	**2.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 22:03	MDL.....: 0.060	
Nitrate-Nitrite	**6.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1		Analysis Time..: 22:03	MDL.....: 0.19	
Sulfate	**160 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 23:07	MDL.....: 1.2	
Total Alkalinity	**160 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**520**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-34

General Chemistry

Lot-Sample #...: D7J040166-007 **Work Order #...:** J78PF **Matrix.....:** WATER
Date Sampled...: 10/02/07 10:05 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.24**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 22:53	MDL.....: 0.11	
Chloride	**31**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 22:53	MDL.....: 0.25	
Fluoride	**2.6**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 22:53	MDL.....: 0.060	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296364
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1		Analysis Time..: 22:53	MDL.....: 0.19	
Sulfate	**160 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 00:34	MDL.....: 1.2	
Total Alkalinity	**280 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**600 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-12

General Chemistry

Lot-Sample #...: D7J040166-008 **Work Order #...:** J78PG **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:24 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.24**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 23:09	MDL.....: 0.11	
Chloride	**30**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 23:09	MDL.....: 0.25	
Fluoride	**3.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 23:09	MDL.....: 0.060	
Nitrate-Nitrite	**2.3**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1		Analysis Time..: 23:09	MDL.....: 0.19	
Sulfate	**200 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 00:51	MDL.....: 1.2	
Total Alkalinity	**250 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**640 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-10A

General Chemistry

Lot-Sample #...: D7J040166-009 **Work Order #...:** J78PH **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:40 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.23**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 23:26	MDL.....: 0.11	
Chloride	**27**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 23:26	MDL.....: 0.25	
Fluoride	**4.1**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 23:26	MDL.....: 0.060	
Nitrate-Nitrite	**14 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1		Analysis Time..: 23:26	MDL.....: 0.19	
Sulfate	**140 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 01:08	MDL.....: 1.2	
Total Alkalinity	**200 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**610 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-39

General Chemistry

Lot-Sample #...: D7J040166-010 **Work Order #...:** J78PK **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:00 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.30**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 13:43	MDL.....: 0.11	
Chloride	**37 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 13:43	MDL.....: 0.25	
Fluoride	**2.9**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 13:43	MDL.....: 0.060	
Nitrate-Nitrite	**4.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296364**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 13:43	MDL.....: 0.19	
Sulfate	**120 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 09:43	MDL.....: 1.2	
Total Alkalinity	**160 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**480 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-40

General Chemistry

Lot-Sample #...: D7J040166-011 **Work Order #...:** J78PM **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:50 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.18 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 14:49	MDL.....: 0.11	
Chloride	**25 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 14:49	MDL.....: 0.25	
Fluoride	**2.5**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 14:49	MDL.....: 0.060	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296364
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 14:49	MDL.....: 0.19	
Sulfate	**60 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 10:00	MDL.....: 1.2	
Total Alkalinity	**250 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**430 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-40EB

General Chemistry

Lot-Sample #...: D7J040166-012 **Work Order #...:** J78PP **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:30 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	ND	0.20	mg/L	MCAWW 300.0A	10/04/07	7278593
		Dilution Factor: 1		Analysis Time..: 15:06	MDL.....: 0.11	
Chloride	**0.56 B,J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 15:06	MDL.....: 0.25	
Fluoride	**0.066 B**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 15:06	MDL.....: 0.060	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296366
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 15:06	MDL.....: 0.19	
Sulfate	**0.35 B**	**5.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278597**
		Dilution Factor: 1		Analysis Time..: 15:06	MDL.....: 0.23	
Total Alkalinity	ND	5.0	mg/L	MCAWW 310.1	10/05/07	7279141
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	ND	10	mg/L	MCAWW 160.1	10/09/07	7282618
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-46

General Chemistry

Lot-Sample #...: D7J040166-013 **Work Order #...:** J78PR **Matrix.....:** WATER
Date Sampled...: 10/01/07 14:30 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.25**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 23:42	MDL.....: 0.11	
Chloride	**45**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 23:42	MDL.....: 0.25	
Fluoride	**3.0**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 23:42	MDL.....: 0.060	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296366
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	**0.59**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278601**
		Dilution Factor: 1		Analysis Time..: 23:42	MDL.....: 0.19	
Sulfate	**99 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 01:26	MDL.....: 1.2	
Total Alkalinity	**270 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**530**	**10**	**mg/L**	**MCAWW 160.1**	**10/08/07**	**7281479**
		Dilution Factor: 1		Analysis Time..: 18:20	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-42

General Chemistry

Lot-Sample #...: D7J040166-014 **Work Order #...:** J78PT **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.17 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 13:26	MDL.....: 0.11	
Chloride	**26 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 13:26	MDL.....: 0.25	
Fluoride	**3.9**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 13:26	MDL.....: 0.060	
Nitrate-Nitrite	**4.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 13:26	MDL.....: 0.19	
Sulfate	**130 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 08:51	MDL.....: 1.2	
Total Alkalinity	**190 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**520 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-17

General Chemistry

Lot-Sample #...: D7J040166-015 **Work Order #...:** J78PV **Matrix.....:** WATER
Date Sampled...: 10/02/07 16:45 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.24**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 15:39	MDL.....: 0.11	
Chloride	**46 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 15:39	MDL.....: 0.25	
Fluoride	**3.7**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 15:39	MDL.....: 0.060	
Nitrate-Nitrite	**13 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 15:39	MDL.....: 0.19	
Sulfate	**160 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 10:16	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**670 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-15

General Chemistry

Lot-Sample #...: D7J040166-016 **Work Order #...:** J78PX **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:15 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.21**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 23:59	MDL.....: 0.11	
Chloride	**53 Q**	**6.0**	**mg/L**	**MCAWW 300.0A**	**10/24/07**	**7298553**
		Dilution Factor: 2		Analysis Time..: 22:10	MDL.....: 0.51	
Fluoride	**3.8**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 23:59	MDL.....: 0.060	
Nitrate-Nitrite	**10 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1		Analysis Time..: 23:59	MDL.....: 0.19	
Sulfate	**170 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 01:43	MDL.....: 1.2	
Total Alkalinity	**200 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 1.1	
Total Dissolved Solids	**660**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-99

General Chemistry

Lot-Sample #...: D7J040166-017 **Work Order #...:** J78P2 **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.25**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 00:16	MDL.....: 0.11	
Chloride	**54 Q**	**6.0**	**mg/L**	**MCAWW 300.0A**	**10/24/07**	**7298553**
		Dilution Factor: 2		Analysis Time..: 23:02	MDL.....: 0.51	
Fluoride	**3.8**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 00:16	MDL.....: 0.060	
Nitrate-Nitrite	**11 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/25/07**	**7299334**
		Dilution Factor: 5		Analysis Time..: 10:02	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 00:16	MDL.....: 0.19	
Sulfate	**170 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 02:00	MDL.....: 1.2	
Total Alkalinity	**200 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**670**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-4

General Chemistry

Lot-Sample #...: D7J040166-018 **Work Order #...:** J78P3 **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:25 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.21**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 00:32	MDL.....: 0.11	
Chloride	**31**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 00:32	MDL.....: 0.25	
Fluoride	**4.4**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 00:32	MDL.....: 0.060	
Nitrate-Nitrite	**4.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 00:32	MDL.....: 0.19	
Sulfate	**150 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 02:18	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**550**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-23

General Chemistry

Lot-Sample #...: D7J040166-019 **Work Order #...:** J78P4 **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:25 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.18 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 14:33	MDL.....: 0.11	
Chloride	**22 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 14:33	MDL.....: 0.25	
Fluoride	**4.5**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 14:33	MDL.....: 0.060	
Nitrate-Nitrite	**1.6**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 14:33	MDL.....: 0.19	
Sulfate	**100 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 10:33	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**460 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-13

General Chemistry

Lot-Sample #...: D7J040166-020 **Work Order #...:** J78P5 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.22**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 15:56	MDL.....: 0.11	
Chloride	**31 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 15:56	MDL.....: 0.25	
Fluoride	**3.8**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 15:56	MDL.....: 0.060	
Nitrate-Nitrite	**5.4**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 15:56	MDL.....: 0.19	
Sulfate	**140 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 11:23	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**560 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-16D

General Chemistry

Lot-Sample #...: D7J040166-021 **Work Order #...:** J78P7 **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:15 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.25**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 01:22	MDL.....: 0.11	
Chloride	**51 Q**	**6.0**	**mg/L**	**MCAWW 300.0A**	**10/24/07**	**7298553**
		Dilution Factor: 2		Analysis Time..: 23:19	MDL.....: 0.51	
Fluoride	**3.7**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 01:22	MDL.....: 0.060	
Nitrate-Nitrite	**9.3 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 01:22	MDL.....: 0.19	
Sulfate	**170 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 02:35	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**650**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-11

General Chemistry

Lot-Sample #...: D7J040166-022 **Work Order #...:** J78P8 **Matrix.....:** WATER
Date Sampled...: 10/02/07 14:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.24**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 15:23	MDL.....: 0.11	
Chloride	**31 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 15:23	MDL.....: 0.25	
Fluoride	**4.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 15:23	MDL.....: 0.060	
Nitrate-Nitrite	**12 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 15:23	MDL.....: 0.19	
Sulfate	**140 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 11:40	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**620 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-20

General Chemistry

Lot-Sample #...: D7J040166-023 **Work Order #...:** J78QA **Matrix.....:** WATER
Date Sampled...: 10/02/07 16:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.84**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 16:46	MDL.....: 0.11	
Chloride	**38 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 16:46	MDL.....: 0.25	
Fluoride	**3.9**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 16:46	MDL.....: 0.060	
Nitrate-Nitrite	**9.1 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 16:46	MDL.....: 0.19	
Sulfate	**160 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 11:56	MDL.....: 1.2	
Total Alkalinity	**240 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**650 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-25

General Chemistry

Lot-Sample #...: D7J040166-024 **Work Order #...:** J78QC **Matrix.....:** WATER
Date Sampled...: 10/02/07 17:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.27**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.11	
Chloride	**49 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.25	
Fluoride	**3.4**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.060	
Nitrate-Nitrite	**4.0**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.19	
Sulfate	**180 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 12:13	MDL.....: 1.2	
Total Alkalinity	**260 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**680 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-35

General Chemistry

Lot-Sample #...: D7J040166-025 **Work Order #...:** J78QE **Matrix.....:** WATER
Date Sampled...: 10/01/07 14:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.21**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 0.11	
Chloride	**33**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 0.25	
Fluoride	**2.7**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 0.060	
Nitrate-Nitrite	**2.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 01:38	MDL.....: 0.19	
Sulfate	**180 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 02:52	MDL.....: 1.2	
Total Alkalinity	**190 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**530**	**10**	**mg/L**	**MCAWW 160.1**	**10/08/07**	**7281479**
		Dilution Factor: 1		Analysis Time..: 18:20	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-44

General Chemistry

Lot-Sample #...: D7J040166-026 **Work Order #...:** J78QG **Matrix.....:** WATER
Date Sampled...: 10/01/07 15:50 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.19 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 01:55	MDL.....: 0.11	
Chloride	**25**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 01:55	MDL.....: 0.25	
Fluoride	**3.0**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 01:55	MDL.....: 0.060	
Nitrate-Nitrite	**0.60**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 01:55	MDL.....: 0.19	
Sulfate	**150 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 03:09	MDL.....: 1.2	
Total Alkalinity	**180 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**480**	**10**	**mg/L**	**MCAWW 160.1**	**10/08/07**	**7281479**
		Dilution Factor: 1		Analysis Time..: 18:20	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-30

General Chemistry

Lot-Sample #...: D7J040166-027 **Work Order #...:** J78QH **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.17 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 02:12	MDL.....: 0.11	
Chloride	**20**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 02:12	MDL.....: 0.25	
Fluoride	**4.1**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 02:12	MDL.....: 0.060	
Nitrate-Nitrite	**5.7**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 02:12	MDL.....: 0.19	
Sulfate	**170 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 04:01	MDL.....: 1.2	
Total Alkalinity	**180 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**530**	**10**	**mg/L**	**MCAWW 160.1**	**10/08/07**	**7281479**
		Dilution Factor: 1		Analysis Time..: 18:20	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-41

General Chemistry

Lot-Sample #...: D7J040166-028 **Work Order #...:** J78QJ **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:25 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.18 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 02:28	MDL.....: 0.11	
Chloride	**26**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 02:28	MDL.....: 0.25	
Fluoride	**3.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 02:28	MDL.....: 0.060	
Nitrate-Nitrite	**5.8**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	**0.62**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278601**
		Dilution Factor: 1		Analysis Time..: 02:28	MDL.....: 0.19	
Sulfate	**140 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 04:19	MDL.....: 1.2	
Total Alkalinity	**190 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**530**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-19

General Chemistry

Lot-Sample #...: D7J040166-029 **Work Order #...:** J78QK **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.29**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 02:45	MDL.....: 0.11	
Chloride	**43**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 02:45	MDL.....: 0.25	
Fluoride	**3.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 02:45	MDL.....: 0.060	
Nitrate-Nitrite	**20 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 02:45	MDL.....: 0.19	
Sulfate	**170 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 04:36	MDL.....: 1.2	
Total Alkalinity	**180 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**670**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-18

General Chemistry

Lot-Sample #...: D7J040166-030 **Work Order #...:** J78QL **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.25**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 03:01	MDL.....: 0.11	
Chloride	**36**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 03:01	MDL.....: 0.25	
Fluoride	**4.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 03:01	MDL.....: 0.060	
Nitrate-Nitrite	**13 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 03:01	MDL.....: 0.19	
Sulfate	**150 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 04:53	MDL.....: 1.2	
Total Alkalinity	**200 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**570**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-47A

General Chemistry

Lot-Sample #...: D7J040166-031 **Work Order #...:** J78QM **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:05 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.18 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 03:18	MDL.....: 0.11	
Chloride	**27**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 03:18	MDL.....: 0.25	
Fluoride	**2.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 03:18	MDL.....: 0.060	
Nitrate-Nitrite	**2.7**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 03:18	MDL.....: 0.19	
Sulfate	**170 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 05:11	MDL.....: 1.2	
Total Alkalinity	**170 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**520**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-51

General Chemistry

Lot-Sample #...: D7J040166-032 **Work Order #...:** J78QP **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:00 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.22**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278598**
		Dilution Factor: 1		Analysis Time..: 03:35	MDL.....: 0.11	
Chloride	**35**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278599**
		Dilution Factor: 1		Analysis Time..: 03:35	MDL.....: 0.25	
Fluoride	**3.1**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278600**
		Dilution Factor: 1		Analysis Time..: 03:35	MDL.....: 0.060	
Nitrate-Nitrite	**3.7**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296366**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278601
		Dilution Factor: 1		Analysis Time..: 03:35	MDL.....: 0.19	
Sulfate	**200 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278135**
		Dilution Factor: 5		Analysis Time..: 05:28	MDL.....: 1.2	
Total Alkalinity	**240 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**650**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-27

General Chemistry

Lot-Sample #...: D7J040166-033 **Work Order #...:** J78QQ **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:00 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.19 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278602**
		Dilution Factor: 1		Analysis Time..: 04:41	MDL.....: 0.11	
Chloride	**31**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278603**
		Dilution Factor: 1		Analysis Time..: 04:41	MDL.....: 0.25	
Fluoride	**2.7**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278604**
		Dilution Factor: 1		Analysis Time..: 04:41	MDL.....: 0.060	
Nitrate-Nitrite	**0.61**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296368**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278605
		Dilution Factor: 1		Analysis Time..: 04:41	MDL.....: 0.19	
Sulfate	**140 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278122**
		Dilution Factor: 5		Analysis Time..: 22:21	MDL.....: 1.2	
Total Alkalinity	**180 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**480**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-37

General Chemistry

Lot-Sample #...: D7J040166-034 **Work Order #...:** J78QR **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:30 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.15 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 18:43	MDL.....: 0.11	
Chloride	**17 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 18:43	MDL.....: 0.25	
Fluoride	**3.7**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 18:43	MDL.....: 0.060	
Nitrate-Nitrite	**2.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296368**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 18:43	MDL.....: 0.19	
Sulfate	**86 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 12:30	MDL.....: 1.2	
Total Alkalinity	**190 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**420 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-36

General Chemistry

Lot-Sample #...: D7J040166-035 **Work Order #...:** J78QT **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:10 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.13 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 18:59	MDL.....: 0.11	
Chloride	**15 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 18:59	MDL.....: 0.25	
Fluoride	**3.6**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 18:59	MDL.....: 0.060	
Nitrate-Nitrite	**0.13**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296368**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 18:59	MDL.....: 0.19	
Sulfate	**77 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 12:46	MDL.....: 1.2	
Total Alkalinity	**230 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**430 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-48

General Chemistry

Lot-Sample #...: D7J040166-036 **Work Order #...:** J78QV **Matrix.....:** WATER
Date Sampled...: 10/03/07 10:20 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.15 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.11	
Chloride	**18 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.25	
Fluoride	**2.9**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.060	
Nitrate-Nitrite	**1.8**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296368**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.19	
Sulfate	**82 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 14:57	MDL.....: 1.2	
Total Alkalinity	**280 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**520**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-33

General Chemistry

Lot-Sample #...: D7J040166-037 **Work Order #...:** J78QW **Matrix.....:** WATER
Date Sampled...: 10/02/07 10:15 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.23**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 19:33	MDL.....: 0.11	
Chloride	**29 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 19:33	MDL.....: 0.25	
Fluoride	**3.6**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 19:33	MDL.....: 0.060	
Nitrate-Nitrite	**1.9**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296368**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 19:33	MDL.....: 0.19	
Sulfate	**140 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 17:43	MDL.....: 1.2	
Total Alkalinity	**250 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**570 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: EMRE-1

General Chemistry

Lot-Sample #...: D7J040166-038 **Work Order #...:** J78QX **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:40 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.19 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 19:49	MDL.....: 0.11	
Chloride	**25 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 19:49	MDL.....: 0.25	
Fluoride	**3.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 19:49	MDL.....: 0.060	
Nitrate-Nitrite	**4.4**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296368**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 19:49	MDL.....: 0.19	
Sulfate	**120 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 15:30	MDL.....: 1.2	
Total Alkalinity	**170 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**480 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-38

General Chemistry

Lot-Sample #...: D7J040166-039 **Work Order #...:** J78Q0 **Matrix.....:** WATER
Date Sampled...: 10/02/07 11:50 **Date Received..:** 10/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.14 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278593**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.11	
Chloride	**14 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.25	
Fluoride	**4.0**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278595**
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.060	
Nitrate-Nitrite	**2.1**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296368**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1		Analysis Time..: 20:06	MDL.....: 0.19	
Sulfate	**75 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/04-10/05/07**	**7278597**
		Dilution Factor: 5		Analysis Time..: 15:47	MDL.....: 1.2	
Total Alkalinity	**180 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**400 J**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1		Analysis Time..: 17:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: EMRE2

General Chemistry

Lot-Sample #...: D7J050164-001 **Work Order #...:** J8CCM **Matrix.....:** WATER
Date Sampled...: 10/02/07 12:40 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.22**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
	Dilution Factor: 1			Analysis Time..: 15:43	MDL.....: 0.11	
Chloride	**31**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
	Dilution Factor: 1			Analysis Time..: 15:43	MDL.....: 0.25	
Fluoride	**3.4**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
	Dilution Factor: 1			Analysis Time..: 15:43	MDL.....: 0.060	
Nitrate-Nitrite	**3.9**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
	Dilution Factor: 1			Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
	Dilution Factor: 1			Analysis Time..: 15:43	MDL.....: 0.19	
Sulfate	**140 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279099**
	Dilution Factor: 5			Analysis Time..: 23:03	MDL.....: 1.2	
Total Alkalinity	**170 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
	Dilution Factor: 1			Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**520**	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282619**
	Dilution Factor: 1			Analysis Time..: 17:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-22

General Chemistry

Lot-Sample #...: D7J050164-002 **Work Order #...:** J8CCV **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:25 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.22**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278602**
		Dilution Factor: 1		Analysis Time..: 13:50	MDL.....: 0.11	
Chloride	**31**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278603**
		Dilution Factor: 1		Analysis Time..: 13:50	MDL.....: 0.25	
Fluoride	**4.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278604**
		Dilution Factor: 1		Analysis Time..: 13:50	MDL.....: 0.060	
Nitrate-Nitrite	**20 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7278605
		Dilution Factor: 1		Analysis Time..: 13:50	MDL.....: 0.19	
Sulfate	**120 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278606**
		Dilution Factor: 5		Analysis Time..: 16:37	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**530**	**10**	**mg/L**	**MCAWW 160.1**	**10/10/07**	**7283631**
		Dilution Factor: 1		Analysis Time..: 17:30	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-21

General Chemistry

Lot-Sample #...: D7J050164-003 **Work Order #...:** J8CCX **Matrix.....:** WATER
Date Sampled...: 10/03/07 15:40 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.24**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278602**
		Dilution Factor: 1		Analysis Time..: 14:07	MDL.....: 0.11	
Chloride	**40**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278603**
		Dilution Factor: 1		Analysis Time..: 14:07	MDL.....: 0.25	
Fluoride	**3.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278604**
		Dilution Factor: 1		Analysis Time..: 14:07	MDL.....: 0.060	
Nitrate-Nitrite	**9.1 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7278605
		Dilution Factor: 1		Analysis Time..: 14:07	MDL.....: 0.19	
Sulfate	**140 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278606**
		Dilution Factor: 5		Analysis Time..: 17:27	MDL.....: 1.2	
Total Alkalinity	**190 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**590**	**10**	**mg/L**	**MCAWW 160.1**	**10/10/07**	**7283631**
		Dilution Factor: 1		Analysis Time..: 17:30	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTAWM

General Chemistry

Lot-Sample #...: D7J050164-004 **Work Order #...:** J8CC0 **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.23**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 15:59	MDL.....: 0.11	
Chloride	**31**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 15:59	MDL.....: 0.25	
Fluoride	**3.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 15:59	MDL.....: 0.060	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296371
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1		Analysis Time..: 15:59	MDL.....: 0.19	
Sulfate	**150 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
		Dilution Factor: 5		Analysis Time..: 00:06	MDL.....: 1.2	
Total Alkalinity	**220 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**540**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
		Dilution Factor: 1		Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-14

General Chemistry

Lot-Sample #...: D7J050164-005 **Work Order #...:** J8CC3 **Matrix.....:** WATER
Date Sampled...: 10/04/07 10:35 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.18 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 16:46	MDL.....: 0.11	
Chloride	**37**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 16:46	MDL.....: 0.25	
Fluoride	**4.5**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 16:46	MDL.....: 0.060	
Nitrate-Nitrite	**9.8 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/25/07**	**7299334**
		Dilution Factor: 5		Analysis Time..: 10:02	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1		Analysis Time..: 16:46	MDL.....: 0.19	
Sulfate	**140 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
		Dilution Factor: 5		Analysis Time..: 00:54	MDL.....: 1.2	
Total Alkalinity	**190 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**550**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
		Dilution Factor: 1		Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: SMR1A

General Chemistry

Lot-Sample #...: D7J050164-006 **Work Order #...:** J8CC6 **Matrix.....:** WATER
Date Sampled...: 10/04/07 09:10 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.15 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.11	
Chloride	**24**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.25	
Fluoride	**1.0**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.060	
Nitrate-Nitrite	**1.1**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1		Analysis Time..: 17:02	MDL.....: 0.19	
Sulfate	**150 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
		Dilution Factor: 5		Analysis Time..: 01:10	MDL.....: 1.2	
Total Alkalinity	**230 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**510**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
		Dilution Factor: 1		Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-24

General Chemistry

Lot-Sample #...: D7J050164-007 **Work Order #...:** J8CC8 **Matrix.....:** WATER
Date Sampled...: 10/04/07 11:40 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.28**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 17:18	MDL.....: 0.11	
Chloride	**35**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 17:18	MDL.....: 0.25	
Fluoride	**4.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 17:18	MDL.....: 0.060	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296371
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1		Analysis Time..: 17:18	MDL.....: 0.19	
Sulfate	**200 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
		Dilution Factor: 5		Analysis Time..: 01:25	MDL.....: 1.2	
Total Alkalinity	**280 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**660**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
		Dilution Factor: 1		Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-5

General Chemistry

Lot-Sample #...: D7J050164-008 **Work Order #...:** J8CC9 **Matrix.....:** WATER
Date Sampled...: 10/04/07 12:40 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.33**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 17:34	MDL.....: 0.11	
Chloride	**42**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 17:34	MDL.....: 0.25	
Fluoride	**2.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 17:34	MDL.....: 0.060	
Nitrate-Nitrite	**0.020 B**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1		Analysis Time..: 17:34	MDL.....: 0.19	
Sulfate	**490 J,Q**	**100**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
		Dilution Factor: 20		Analysis Time..: 01:41	MDL.....: 4.6	
Total Alkalinity	**270 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**1000**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
		Dilution Factor: 1		Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: BONNEY SPRING

General Chemistry

Lot-Sample #...: D7J050164-009 **Work Order #...:** J8CDA **Matrix.....:** WATER
Date Sampled...: 10/04/07 13:45 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.18 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
	Dilution Factor: 1			Analysis Time..: 17:50	MDL.....: 0.11	
Chloride	**27**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
	Dilution Factor: 1			Analysis Time..: 17:50	MDL.....: 0.25	
Fluoride	**1.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
	Dilution Factor: 1			Analysis Time..: 17:50	MDL.....: 0.060	
Nitrate-Nitrite	**0.052 B**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
	Dilution Factor: 1			Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
	Dilution Factor: 1			Analysis Time..: 17:50	MDL.....: 0.19	
Sulfate	**200 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
	Dilution Factor: 5			Analysis Time..: 01:57	MDL.....: 1.2	
Total Alkalinity	**300 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
	Dilution Factor: 1			Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**650**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
	Dilution Factor: 1			Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: MARKHAM SPRING

General Chemistry

Lot-Sample #...: D7J050164-010 **Work Order #...:** J8CDD **Matrix.....:** WATER
Date Sampled...: 10/04/07 12:00 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.25**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 18:05	MDL.....: 0.11	
Chloride	**26**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 18:05	MDL.....: 0.25	
Fluoride	**4.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 18:05	MDL.....: 0.060	
Nitrate-Nitrite	**1.3**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1		Analysis Time..: 18:05	MDL.....: 0.19	
Sulfate	**140 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
		Dilution Factor: 5		Analysis Time..: 02:13	MDL.....: 1.2	
Total Alkalinity	**230 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**540**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
		Dilution Factor: 1		Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-26

General Chemistry

Lot-Sample #...: D7J050164-011 **Work Order #...:** J8CDP **Matrix.....:** WATER
Date Sampled...: 10/04/07 10:00 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.19 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 20:41	MDL.....: 0.11	
Chloride	**29**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 20:41	MDL.....: 0.25	
Fluoride	**3.3**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 20:41	MDL.....: 0.060	
Nitrate-Nitrite	**4.8**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05-10/06/07	7279121
		Dilution Factor: 1		Analysis Time..: 09:11	MDL.....: 0.19	
Sulfate	**190 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
		Dilution Factor: 5		Analysis Time..: 03:00	MDL.....: 1.2	
Total Alkalinity	**220 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**620**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
		Dilution Factor: 1		Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-29

General Chemistry

Lot-Sample #...: D7J050164-012 **Work Order #...:** J8CDQ **Matrix.....:** WATER
Date Sampled...: 10/04/07 11:10 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.28**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 20:57	MDL.....: 0.11	
Chloride	**33**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 20:57	MDL.....: 0.25	
Fluoride	**3.8**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 20:57	MDL.....: 0.060	
Nitrate-Nitrite	**4.3**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05-10/06/07	7279121
		Dilution Factor: 1		Analysis Time..: 09:28	MDL.....: 0.19	
Sulfate	**210 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05-10/06/07**	**7279099**
		Dilution Factor: 5		Analysis Time..: 03:16	MDL.....: 1.2	
Total Alkalinity	**240 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**660**	**10**	**mg/L**	**MCAWW 160.1**	**10/11/07**	**7284602**
		Dilution Factor: 1		Analysis Time..: 14:40	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-32

General Chemistry

Lot-Sample #...: D7J050164-013 **Work Order #...:** J8CDT **Matrix.....:** WATER
Date Sampled...: 10/03/07 13:30 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.24**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278602**
		Dilution Factor: 1		Analysis Time..: 13:17	MDL.....: 0.11	
Chloride	**35**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278603**
		Dilution Factor: 1		Analysis Time..: 13:17	MDL.....: 0.25	
Fluoride	**4.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278604**
		Dilution Factor: 1		Analysis Time..: 13:17	MDL.....: 0.060	
Nitrate-Nitrite	**8.5 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278605
		Dilution Factor: 1		Analysis Time..: 13:17	MDL.....: 0.19	
Sulfate	**150 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278606**
		Dilution Factor: 5		Analysis Time..: 16:03	MDL.....: 1.2	
Total Alkalinity	**190 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**580**	**10**	**mg/L**	**MCAWW 160.1**	**10/10/07**	**7283633**
		Dilution Factor: 1		Analysis Time..: 18:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-28

General Chemistry

Lot-Sample #...: D7J050164-014 **Work Order #...:** J8CDW **Matrix.....:** WATER
Date Sampled...: 10/03/07 12:15 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.24**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279100**
		Dilution Factor: 1		Analysis Time..: 14:56	MDL.....: 0.11	
Chloride	**35**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279101**
		Dilution Factor: 1		Analysis Time..: 14:56	MDL.....: 0.25	
Fluoride	**4.0**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279102**
		Dilution Factor: 1		Analysis Time..: 14:56	MDL.....: 0.060	
Nitrate-Nitrite	**9.8 Q**	**0.50**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 5		Analysis Time..: 06:00	MDL.....: 0.096	
Phosphate as P, Ortho	**0.27 B**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279103**
		Dilution Factor: 1		Analysis Time..: 14:56	MDL.....: 0.19	
Sulfate	**140 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279099**
		Dilution Factor: 5		Analysis Time..: 22:47	MDL.....: 1.2	
Total Alkalinity	**180 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 1.1	
Total Dissolved Solids	**540**	**10**	**mg/L**	**MCAWW 160.1**	**10/10/07**	**7283633**
		Dilution Factor: 1		Analysis Time..: 18:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: HTA-3

General Chemistry

Lot-Sample #...: D7J050164-015 **Work Order #...:** J8CDX **Matrix.....:** WATER
Date Sampled...: 10/03/07 14:35 **Date Received..:** 10/05/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.19 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278602**
		Dilution Factor: 1		Analysis Time..: 13:34	MDL.....: 0.11	
Chloride	**27**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278603**
		Dilution Factor: 1		Analysis Time..: 13:34	MDL.....: 0.25	
Fluoride	**4.7**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278604**
		Dilution Factor: 1		Analysis Time..: 13:34	MDL.....: 0.060	
Nitrate-Nitrite	**2.6**	**0.10**	**mg/L**	**MCAWW 353.2**	**10/22/07**	**7296371**
		Dilution Factor: 1		Analysis Time..: 06:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7278605
		Dilution Factor: 1		Analysis Time..: 13:34	MDL.....: 0.19	
Sulfate	**130 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7278606**
		Dilution Factor: 5		Analysis Time..: 16:20	MDL.....: 1.2	
Total Alkalinity	**220 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/09/07**	**7283437**
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 1.1	
Total Dissolved Solids	**530**	**10**	**mg/L**	**MCAWW 160.1**	**10/10/07**	**7283633**
		Dilution Factor: 1		Analysis Time..: 18:15	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: SMR2

General Chemistry

Lot-Sample #...: D7J130200-001 **Work Order #...:** J8X5T **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.18 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288457**
		Dilution Factor: 1		Analysis Time..: 16:31	MDL.....: 0.11	
Chloride	**28**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288454**
		Dilution Factor: 1		Analysis Time..: 16:31	MDL.....: 0.25	
Fluoride	**1.8**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288460**
		Dilution Factor: 1		Analysis Time..: 16:31	MDL.....: 0.060	
Nitrate-Nitrite	**1.4**	**0.10**	**mg/L**	**MCAWW 353.2**	**11/01/07**	**7309245**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/13/07	7288459
		Dilution Factor: 1		Analysis Time..: 16:31	MDL.....: 0.19	
Sulfate	**170 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/13-10/14/07**	**7288455**
		Dilution Factor: 5		Analysis Time..: 04:23	MDL.....: 1.2	
Total Alkalinity	**220 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/17/07**	**7291487**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.1	
Total Dissolved Solids	**560**	**10**	**mg/L**	**MCAWW 160.1**	**10/16/07**	**7289570**
		Dilution Factor: 1		Analysis Time..: 14:10	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: SMR4

General Chemistry

Lot-Sample #...: D7J130200-002 **Work Order #...:** J8X5V **Matrix.....:** WATER
Date Sampled...: 10/10/07 15:30 **Date Received..:** 10/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.23**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288457**
		Dilution Factor: 1		Analysis Time..: 16:47	MDL.....: 0.11	
Chloride	**37**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288454**
		Dilution Factor: 1		Analysis Time..: 16:47	MDL.....: 0.25	
Fluoride	**1.9**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288460**
		Dilution Factor: 1		Analysis Time..: 16:47	MDL.....: 0.060	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	11/01/07	7309245
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/13/07	7288459
		Dilution Factor: 1		Analysis Time..: 16:47	MDL.....: 0.19	
Sulfate	**72 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/13-10/14/07**	**7288455**
		Dilution Factor: 5		Analysis Time..: 04:38	MDL.....: 1.2	
Total Alkalinity	**40 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/17/07**	**7291487**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.1	
Total Dissolved Solids	**210**	**10**	**mg/L**	**MCAWW 160.1**	**10/16/07**	**7289570**
		Dilution Factor: 1		Analysis Time..: 14:10	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

U.S. Geological Survey (USGS)

Client Sample ID: SMR3

General Chemistry

Lot-Sample #...: D7J130200-003 **Work Order #...:** J8X5W **Matrix.....:** WATER
Date Sampled...: 10/11/07 12:25 **Date Received..:** 10/13/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide	**0.19 B**	**0.20**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288457**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.11	
Chloride	**37**	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288454**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.25	
Fluoride	**0.56**	**0.50**	**mg/L**	**MCAWW 300.0A**	**10/13/07**	**7288460**
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.060	
Nitrate-Nitrite	**3.1**	**0.10**	**mg/L**	**MCAWW 353.2**	**11/01/07**	**7309245**
		Dilution Factor: 1		Analysis Time..: 09:00	MDL.....: 0.019	
Phosphate as P, Ortho	ND	0.50	mg/L	MCAWW 300.0A	10/13/07	7288459
		Dilution Factor: 1		Analysis Time..: 17:03	MDL.....: 0.19	
Sulfate	**190 J,Q**	**25**	**mg/L**	**MCAWW 300.0A**	**10/31/07**	**7305370**
		Dilution Factor: 5		Analysis Time..: 21:04	MDL.....: 1.2	
Total Alkalinity	**210 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**10/18/07**	**7293109**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 1.1	
Total Dissolved Solids	**610**	**10**	**mg/L**	**MCAWW 160.1**	**10/18/07**	**7291637**
		Dilution Factor: 1		Analysis Time..: 21:00	MDL.....: 4.7	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 160.1		7281482	7283218
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
002	WATER	MCAWW 160.1		7281482	7283218
	WATER	SW846 8330		7281424	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
003	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
004	WATER	MCAWW 160.1		7281479	7283215
	WATER	SW846 8330		7281125	
	WATER	SW846 8330		7303140	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
005	WATER	MCAWW 160.1		7281479	7283215
	WATER	SW846 8330		7281424	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
006	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
007	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
008	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
009	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
010	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
011	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296364	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
012	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
013	WATER	MCAWW 160.1		7281479	7283215
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278246	7278138
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278272	7278162
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
014	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
015	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
016	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7298553	7298313
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7279141	7279072
	WATER	SW846 6860		7283482	7283240
017	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7299334	
	WATER	MCAWW 300.0A		7298553	7298313
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7283482	7283240
018	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7283482	7283240

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
019	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7283482	7283240
020	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289215	7290130
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7283482	7283240
021	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7298553	7298313
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
022	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
023	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281125	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
024	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281424	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238

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QC DATA ASSOCIATION SUMMARY

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Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
025	WATER	MCAWW 160.1		7281479	7283215
	WATER	SW846 8330		7281424	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
026	WATER	MCAWW 160.1		7281479	7283215
	WATER	SW846 8330		7281121	
	WATER	SW846 8330		7303140	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278247	7278139
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278273	7278163
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
027	WATER	MCAWW 160.1		7281479	7283215
	WATER	SW846 8330		7281121	
	WATER	SW846 8330		7303140	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
028	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7281121	
	WATER	SW846 8330		7303140	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
029	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
030	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
031	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
032	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7296366	
	WATER	MCAWW 300.0A		7278599	7282353
	WATER	MCAWW 300.0A		7278135	7278237
	WATER	MCAWW 300.0A		7278600	7282352
	WATER	MCAWW 300.0A		7278601	7282356
	WATER	MCAWW 300.0A		7278598	7282355
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
033	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7296368	
	WATER	MCAWW 300.0A		7278603	7282358
	WATER	MCAWW 300.0A		7278122	7278074
	WATER	MCAWW 300.0A		7278604	7282357
	WATER	MCAWW 300.0A		7278605	7282360
	WATER	MCAWW 300.0A		7278602	7282359
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238

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QC DATA ASSOCIATION SUMMARY

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Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
034	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281121	
	WATER	SW846 8330		7303140	
	WATER	MCAWW 353.2		7296368	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
035	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281121	
	WATER	SW846 8330		7303140	
	WATER	MCAWW 353.2		7296368	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238
036	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7283200	
	WATER	MCAWW 353.2		7296368	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282447	7282297
	WATER	SW846 6860		7284383	7284238

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J040166

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
037	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281424	
	WATER	MCAWW 353.2		7296368	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7284383	7284238
038	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281424	
	WATER	MCAWW 353.2		7296368	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7284383	7284238
039	WATER	MCAWW 160.1		7282618	7286098
	WATER	SW846 8330		7281424	
	WATER	MCAWW 353.2		7296368	
	WATER	MCAWW 300.0A		7278594	7282346
	WATER	MCAWW 300.0A		7278597	7282351
	WATER	MCAWW 300.0A		7278595	7282344
	WATER	MCAWW 300.0A		7278596	7282350
	WATER	MCAWW 300.0A		7278593	7282348
	WATER	SW846 6020		7278248	7278140
	WATER	SW846 7470A		7289216	7290131
	WATER	SW846 6010B		7278274	7278164
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7284383	7284238

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J050164

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 160.1		7282619	7286099
	WATER	SW846 8330		7281424	
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
002	WATER	MCAWW 160.1		7283631	7286100
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7278603	7282358
	WATER	MCAWW 300.0A		7278606	7282361
	WATER	MCAWW 300.0A		7278604	7282357
	WATER	MCAWW 300.0A		7278605	7282360
	WATER	MCAWW 300.0A		7278602	7282359
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
003	WATER	MCAWW 160.1		7283631	7286100
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7278603	7282358
	WATER	MCAWW 300.0A		7278606	7282361
	WATER	MCAWW 300.0A		7278604	7282357
	WATER	MCAWW 300.0A		7278605	7282360
	WATER	MCAWW 300.0A		7278602	7282359
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J050164

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
004	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
005	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7299334	
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
006	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J050164

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
007	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
008	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
009	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J050164

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
010	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	
011	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279121	7281134
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
012	WATER	MCAWW 160.1		7284602	7287032
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279121	7281134
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J050164

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
013	WATER	MCAWW 160.1		7283633	7286101
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7278603	7282358
	WATER	MCAWW 300.0A		7278606	7282361
	WATER	MCAWW 300.0A		7278604	7282357
	WATER	MCAWW 300.0A		7278605	7282360
	WATER	MCAWW 300.0A		7278602	7282359
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
014	WATER	MCAWW 160.1		7283633	7286101
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7279101	7282404
	WATER	MCAWW 300.0A		7279099	7282413
	WATER	MCAWW 300.0A		7279102	7282402
	WATER	MCAWW 300.0A		7279103	7282412
	WATER	MCAWW 300.0A		7279100	7282408
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7282449	7282300
	WATER	SW846 6860		7296509	7296279
015	WATER	MCAWW 160.1		7283633	7286101
	WATER	SW846 8330		7283201	7283110
	WATER	MCAWW 353.2		7296371	7296222
	WATER	MCAWW 300.0A		7278603	7282358
	WATER	MCAWW 300.0A		7278606	7282361
	WATER	MCAWW 300.0A		7278604	7282357
	WATER	MCAWW 300.0A		7278605	7282360
	WATER	MCAWW 300.0A		7278602	7282359
	WATER	SW846 6020		7282361	7282245
	WATER	SW846 7470A		7289218	7290132
	WATER	SW846 6010B		7282375	7282250
	WATER	MCAWW 310.1		7283437	7283242
	WATER	SW846 6860		7296509	7296279

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QC DATA ASSOCIATION SUMMARY

HTA-27 : D7J130200

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 160.1		7289570	7292310
	WATER	SW846 8330		7288188	
	WATER	MCAWW 353.2		7309245	7309141
	WATER	MCAWW 300.0A		7288454	7288278
	WATER	MCAWW 300.0A		7288455	7289137
	WATER	MCAWW 300.0A		7288460	7288276
	WATER	MCAWW 300.0A		7288459	7288287
	WATER	MCAWW 300.0A		7288457	7288283
	WATER	SW846 6020		7290371	7290252
	WATER	SW846 7470A		7292394	7292224
	WATER	SW846 6010B		7290444	7290298
	WATER	MCAWW 310.1		7291487	7291391
	WATER	SW846 6860		7306435	7306279
002	WATER	MCAWW 160.1		7289570	7292310
	WATER	SW846 8330		7288188	
	WATER	MCAWW 353.2		7309245	7309141
	WATER	MCAWW 300.0A		7288454	7288278
	WATER	MCAWW 300.0A		7288455	7289137
	WATER	MCAWW 300.0A		7288460	7288276
	WATER	MCAWW 300.0A		7288459	7288287
	WATER	MCAWW 300.0A		7288457	7288283
	WATER	SW846 6020		7290371	7290252
	WATER	SW846 7470A		7292394	7292224
	WATER	SW846 6010B		7290444	7290298
	WATER	MCAWW 310.1		7291487	7291391
	WATER	SW846 6860		7306435	7306279
003	WATER	MCAWW 160.1		7291637	7297243
	WATER	SW846 8330		7288188	
	WATER	MCAWW 353.2		7309245	7309141
	WATER	MCAWW 300.0A		7288454	7288278
	WATER	MCAWW 300.0A		7305370	7305209
	WATER	MCAWW 300.0A		7288460	7288276
	WATER	MCAWW 300.0A		7288459	7288287
	WATER	MCAWW 300.0A		7288457	7288283
	WATER	SW846 6020		7290371	7290252
	WATER	SW846 7470A		7292394	7292224
	WATER	SW846 6010B		7290444	7290298
	WATER	MCAWW 310.1		7293109	7293061
	WATER	SW846 6860		7306435	7306279

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27
MB Lot-Sample #: R7J100000-482
Work Order #...: J8MD81AA
Matrix.....: WATER
Prep Date.....: 10/10/07
Analysis Time..: 23:43
Analysis Date..: 10/10/07
Prep Batch #...: 7283482
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Perchlorate	ND	0.10	ug/L	SW846 6860

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27
MB Lot-Sample #: R7J110000-383

Work Order #...: J8P1F1AA

Matrix.....: WATER

Prep Date.....: 10/11/07

Analysis Time..: 12:17

Analysis Date..: 10/16/07
Prep Batch #...: 7284383
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Perchlorate	ND	0.10	ug/L	SW846 6860

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27
MB Lot-Sample #: R7J230000-509

Work Order #...: J9MNC1AA

Matrix.....: WATER

Prep Date.....: 10/23/07

Analysis Time..: 23:14

Analysis Date..: 10/24/07

Prep Batch #...: 7296509

Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Perchlorate	ND	0.10	ug/L	SW846 6860

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27
MB Lot-Sample #: R7K020000-435

Work Order #...: KAFGL1AA
Prep Date.....: 11/02/07
Prep Batch #...: 7306435

Matrix.....: WATER
Analysis Time..: 07:46

Analysis Date..: 11/04/07
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Perchlorate	ND	0.10	ug/L	SW846 6860

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27
LCS Lot-Sample#: R7J100000-482
Prep Date.....: 10/10/07
Prep Batch #...: 7283482
Dilution Factor: 1

Work Order #...: J8MD81AC-LCS
J8MD81AD-LCSD
Analysis Date..: 10/11/07
Analysis Time..: 00:14

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**99**	**(80 - 120)**			**SW846 6860**
	96	**(80 - 120)**	**3.5**	**(0-15)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8MD81AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: R7J100000-482 J8MD81AD-LCSD
Prep Date.....: 10/10/07 **Analysis Date..:** 10/11/07
Prep Batch #...: 7283482 **Analysis Time..:** 00:14
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Perchlorate	**0.100**	**0.0995**	**ug/L**	**99**		**SW846 6860**
	0.100	**0.0961**	**ug/L**	**96**	**3.5**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8P1F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: R7J110000-383 J8P1F1AD-LCSD
Prep Date.....: 10/11/07 **Analysis Date..:** 10/16/07
Prep Batch #...: 7284383 **Analysis Time..:** 14:14
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**109**	**(80 - 120)**			**SW846 6860**
	104	**(80 - 120)**	**5.0**	**(0-15)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27
LCS Lot-Sample#: R7J110000-383
Prep Date.....: 10/11/07
Prep Batch #...: 7284383
Dilution Factor: 1

Work Order #...: J8P1F1AC-LCS
J8P1F1AD-LCSD
Analysis Date..: 10/16/07
Analysis Time..: 14:14

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Perchlorate	**0.100**	**0.109**	**ug/L**	**109**		**SW846 6860**
	0.100	**0.104**	**ug/L**	**104**	**5.0**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J9MNC1AC **Matrix.....:** WATER
LCS Lot-Sample#: R7J230000-509
Prep Date.....: 10/23/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7296509 **Analysis Time..:** 23:45
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Perchlorate	**115**	**(80 - 120)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J9MNC1AC **Matrix.....:** WATER
LCS Lot-Sample#: R7J230000-509
Prep Date.....: 10/23/07 **Analysis Date..:** 10/24/07
Prep Batch #...: 7296509 **Analysis Time..:** 23:45
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Perchlorate	**0.100**	**0.115**	**ug/L**	**115**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** KAFGL1AC **Matrix.....:** WATER
LCS Lot-Sample#: R7K020000-435
Prep Date.....: 11/02/07 **Analysis Date..:** 11/04/07
Prep Batch #...: 7306435 **Analysis Time..:** 08:18
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Perchlorate	**112**	**(80 - 120)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** KAFGL1AC **Matrix.....:** WATER
LCS Lot-Sample#: R7K020000-435
Prep Date.....: 11/02/07 **Analysis Date..:** 11/04/07
Prep Batch #...: 7306435 **Analysis Time..:** 08:18
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Perchlorate	**0.100**	**0.112**	**ug/L**	**112**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J78NV1D1-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J040166-001 J78NV1D2-MSD
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/13/07
Prep Batch #...: 7283482 **Analysis Time..:** 02:30
Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**99**	**(80 - 120)**			**SW846 6860**
	90	**(80 - 120)**	**2.2**	**(0-15)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J78NV1D1-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J040166-001 J78NV1D2-MSD
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/13/07
Prep Batch #...: 7283482 **Analysis Time..:** 02:30
Dilution Factor: 10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**3.2**	**1.00**	**4.22**	**ug/L**	**99**		**SW846 6860**
	3.2	**1.00**	**4.12**	**ug/L**	**90**	**2.2**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J78P71CF-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J040166-021 J78P71CG-MSD
Date Sampled...: 10/03/07 11:15 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/17/07
Prep Batch #...: 7284383 **Analysis Time..:** 05:37
Dilution Factor: 50000

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**113**	**(80 - 120)**			**SW846 6860**
	111	**(80 - 120)**	**0.56**	**(0-15)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J78P71CF-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J040166-021 J78P71CG-MSD
Date Sampled...: 10/03/07 11:15 **Date Received..:** 10/04/07
Prep Date.....: 10/11/07 **Analysis Date..:** 10/17/07
Prep Batch #...: 7284383 **Analysis Time..:** 05:37
Dilution Factor: 50000

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**18000**	**5000**	**23400**	**ug/L**	**113**		**SW846 6860**
	18000	**5000**	**23200**	**ug/L**	**111**	**0.56**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8CC01DP-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J050164-004 J8CC01DQ-MSD
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7296509 **Analysis Time..:** 18:23
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**115**	**(80 - 120)**			**SW846 6860**
	114	**(80 - 120)**	**0.32**	**(0-15)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8CC01DP-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J050164-004 J8CC01DQ-MSD
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07
Prep Date.....: 10/23/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7296509 **Analysis Time..:** 18:23
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**0.13**	**0.100**	**0.240**	**ug/L**	**115**		**SW846 6860**
	0.13	**0.100**	**0.239**	**ug/L**	**114**	**0.32**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J89FM1AL-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J180192-001 J89FM1AM-MSD
Date Sampled...: 10/17/07 13:00 **Date Received..:** 10/18/07
Prep Date.....: 11/02/07 **Analysis Date..:** 11/04/07
Prep Batch #...: 7306435 **Analysis Time..:** 19:18
Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Perchlorate	**108**	**(80 - 120)**			**SW846 6860**
	93	**(80 - 120)**	**2.2**	**(0-15)**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J89FM1AL-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J180192-001 J89FM1AM-MSD
Date Sampled...: 10/17/07 13:00 **Date Received..:** 10/18/07
Prep Date.....: 11/02/07 **Analysis Date..:** 11/04/07
Prep Batch #...: 7306435 **Analysis Time..:** 19:18
Dilution Factor: 10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Perchlorate	**5.9**	**1.00**	**6.97**	**ug/L**	**108**		**SW846 6860**
	5.9	**1.00**	**6.82**	**ug/L**	**93**	**2.2**	**SW846 6860**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27
MB Lot-Sample #: D7J080000-121

Work Order #...: J8FND1AA
Prep Date.....: 10/08/07
Prep Batch #...: 7281121

Matrix.....: WATER
Analysis Time..: 19:58

Analysis Date..: 10/26/07
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.40	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.40	ug/L	SW846 8330
Nitrobenzene	ND	0.40	ug/L	SW846 8330
2-Nitrotoluene	ND	0.40	ug/L	SW846 8330
3-Nitrotoluene	ND	0.40	ug/L	SW846 8330
4-Nitrotoluene	ND	1.0	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	82	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27
MB Lot-Sample #: D7J080000-125

Work Order #...: J8FNE1AA
Prep Date.....: 10/08/07
Prep Batch #...: 7281125

Matrix.....: WATER
Analysis Time..: 12:49

Analysis Date..: 10/23/07
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.40	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.40	ug/L	SW846 8330
Nitrobenzene	ND	0.40	ug/L	SW846 8330
2-Nitrotoluene	ND	0.40	ug/L	SW846 8330
3-Nitrotoluene	ND	0.40	ug/L	SW846 8330
4-Nitrotoluene	ND	1.0	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27
MB Lot-Sample #: D7J080000-424

Work Order #...: J8GRJ1AA
Prep Date.....: 10/08/07
Prep Batch #...: 7281424

Matrix.....: WATER
Analysis Time..: 02:38

Analysis Date..: 10/24/07
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.40	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.40	ug/L	SW846 8330
Nitrobenzene	ND	0.40	ug/L	SW846 8330
2-Nitrotoluene	ND	0.40	ug/L	SW846 8330
3-Nitrotoluene	ND	0.40	ug/L	SW846 8330
4-Nitrotoluene	ND	1.0	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27
MB Lot-Sample #: D7J100000-200

Work Order #...: J8K091AA
Prep Date.....: 10/10/07
Prep Batch #...: 7283200

Matrix.....: WATER
Analysis Time..: 00:47

Analysis Date..: 10/27/07
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.40	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.40	ug/L	SW846 8330
Nitrobenzene	ND	0.40	ug/L	SW846 8330
2-Nitrotoluene	ND	0.40	ug/L	SW846 8330
3-Nitrotoluene	ND	0.40	ug/L	SW846 8330
4-Nitrotoluene	ND	1.0	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	87	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27
MB Lot-Sample #: D7J100000-201

Work Order #...: J8K1D1AA
Prep Date.....: 10/10/07
Prep Batch #...: 7283201

Matrix.....: WATER
Analysis Time..: 02:24

Analysis Date..: 10/25/07
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.40	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.40	ug/L	SW846 8330
Nitrobenzene	ND	0.40	ug/L	SW846 8330
2-Nitrotoluene	ND	0.40	ug/L	SW846 8330
3-Nitrotoluene	ND	0.40	ug/L	SW846 8330
4-Nitrotoluene	ND	1.0	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	77	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27
MB Lot-Sample #: D7J150000-188

Work Order #...: J80071AA
Prep Date.....: 10/15/07
Prep Batch #...: 7288188

Matrix.....: WATER
Analysis Time..: 17:27

Analysis Date..: 11/05/07
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.40	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.40	ug/L	SW846 8330
Nitrobenzene	ND	0.40	ug/L	SW846 8330
2-Nitrotoluene	ND	0.40	ug/L	SW846 8330
3-Nitrotoluene	ND	0.40	ug/L	SW846 8330
4-Nitrotoluene	ND	1.0	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	87	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: HTA-27
MB Lot-Sample #: D7J300000-140

Work Order #...: J94131AA

Matrix.....: WATER

Prep Date.....: 10/30/07

Analysis Time..: 14:37

Analysis Date..: 10/31/07
Prep Batch #...: 7303140
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.40	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
HMX	ND	0.40	ug/L	SW846 8330
Nitrobenzene	ND	0.40	ug/L	SW846 8330
2-Nitrotoluene	ND	0.40	ug/L	SW846 8330
3-Nitrotoluene	ND	0.40	ug/L	SW846 8330
4-Nitrotoluene	ND	1.0	ug/L	SW846 8330
RDX	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	1.0	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	89	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27
LCS Lot-Sample#: D7J080000-121
Prep Date.....: 10/08/07
Prep Batch #...: 7281121
Dilution Factor: 1

Work Order #...: J8FND1AC-LCS
J8FND1AD-LCSD
Analysis Date..: 10/26/07
Analysis Time..: 20:34

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	52 a	(75 - 115)			SW846 8330
	64 a,p	(75 - 115)	21	(0-18)	SW846 8330
4-Amino-2,6-dinitrotoluene	43 a	(57 - 115)			SW846 8330
	54 a,p	(57 - 115)	24	(0-22)	SW846 8330
1,3-Dinitrobenzene	67 a	(78 - 115)			SW846 8330
	83 p	(78 - 115)	21	(0-19)	SW846 8330
2,4-Dinitrotoluene	70 a	(75 - 115)			SW846 8330
	84	(75 - 115)	18	(0-21)	SW846 8330
2,6-Dinitrotoluene	70 a	(77 - 115)			SW846 8330
	82	(77 - 115)	16	(0-20)	SW846 8330
HMX	81	(78 - 115)			SW846 8330
	89	(78 - 115)	9.5	(0-26)	SW846 8330
Nitrobenzene	47 a	(51 - 115)			SW846 8330
	65	(51 - 115)	31	(0-32)	SW846 8330
2-Nitrotoluene	40	(35 - 115)			SW846 8330
	56	(35 - 115)	34	(0-43)	SW846 8330
3-Nitrotoluene	52	(30 - 115)			SW846 8330
	64	(30 - 115)	21	(0-74)	SW846 8330
4-Nitrotoluene	49	(40 - 115)			SW846 8330
	64	(40 - 115)	26	(0-44)	SW846 8330
RDX	82	(69 - 118)			SW846 8330
	92	(69 - 118)	12	(0-37)	SW846 8330
Tetryl	86	(69 - 127)			SW846 8330
	99	(69 - 127)	13	(0-24)	SW846 8330
1,3,5-Trinitrobenzene	71 a	(73 - 122)			SW846 8330
	84	(73 - 122)	17	(0-21)	SW846 8330
2,4,6-Trinitrotoluene	76	(73 - 116)			SW846 8330
	88	(73 - 116)	14	(0-19)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	66 *	(75 - 118)
	78	(75 - 118)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8FND1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J080000-121 J8FND1AD-LCSD

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27
LCS Lot-Sample#: D7J080000-121
Prep Date.....: 10/08/07
Prep Batch #...: 7281121
Dilution Factor: 1

Work Order #...: J8FND1AC-LCS
J8FND1AD-LCSD
Analysis Date..: 10/26/07
Analysis Time..: 20:34

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	2.00	1.03 a	ug/L	52		SW846 8330
	2.00	1.27 a,p	ug/L	64	21	SW846 8330
4-Amino-2,6-dinitrotoluene	2.00	0.853 a	ug/L	43		SW846 8330
	2.00	1.09 a,p	ug/L	54	24	SW846 8330
1,3-Dinitrobenzene	2.00	1.34 a	ug/L	67		SW846 8330
	2.00	1.66 p	ug/L	83	21	SW846 8330
2,4-Dinitrotoluene	2.00	1.41 a	ug/L	70		SW846 8330
	2.00	1.68	ug/L	84	18	SW846 8330
2,6-Dinitrotoluene	2.00	1.39 a	ug/L	70		SW846 8330
	2.00	1.64	ug/L	82	16	SW846 8330
HMX	2.00	1.62	ug/L	81		SW846 8330
	2.00	1.78	ug/L	89	9.5	SW846 8330
Nitrobenzene	2.00	0.947 a	ug/L	47		SW846 8330
	2.00	1.30	ug/L	65	31	SW846 8330
2-Nitrotoluene	2.00	0.802	ug/L	40		SW846 8330
	2.00	1.13	ug/L	56	34	SW846 8330
3-Nitrotoluene	2.00	1.04	ug/L	52		SW846 8330
	2.00	1.28	ug/L	64	21	SW846 8330
4-Nitrotoluene	2.00	0.987	ug/L	49		SW846 8330
	2.00	1.28	ug/L	64	26	SW846 8330
RDX	2.00	1.63	ug/L	82		SW846 8330
	2.00	1.85	ug/L	92	12	SW846 8330
Tetryl	2.00	1.72	ug/L	86		SW846 8330
	2.00	1.97	ug/L	99	13	SW846 8330
1,3,5-Trinitrobenzene	2.00	1.42 a	ug/L	71		SW846 8330
	2.00	1.68	ug/L	84	17	SW846 8330
2,4,6-Trinitrotoluene	2.00	1.51	ug/L	76		SW846 8330
	2.00	1.75	ug/L	88	14	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	66 *	(75 - 118)
	78	(75 - 118)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8FND1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J080000-121 J8FND1AD-LCSD

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27
LCS Lot-Sample#: D7J080000-125
Prep Date.....: 10/08/07
Prep Batch #...: 7281125
Dilution Factor: 1

Work Order #...: J8FNE1AC-LCS
J8FNE1AD-LCSD
Analysis Date..: 10/23/07
Analysis Time..: 13:25

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**81**	**(75 - 115)**			**SW846 8330**
	80	**(75 - 115)**	**1.6**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**73**	**(57 - 115)**			**SW846 8330**
	72	**(57 - 115)**	**1.4**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**96**	**(78 - 115)**			**SW846 8330**
	97	**(78 - 115)**	**1.0**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**98**	**(75 - 115)**			**SW846 8330**
	99	**(75 - 115)**	**0.91**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**97**	**(77 - 115)**			**SW846 8330**
	96	**(77 - 115)**	**0.77**	**(0-20)**	**SW846 8330**
HMX	**99**	**(78 - 115)**			**SW846 8330**
	100	**(78 - 115)**	**0.30**	**(0-26)**	**SW846 8330**
Nitrobenzene	**73**	**(51 - 115)**			**SW846 8330**
	73	**(51 - 115)**	**0.34**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**64**	**(35 - 115)**			**SW846 8330**
	67	**(35 - 115)**	**4.5**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**89**	**(30 - 115)**			**SW846 8330**
	89	**(30 - 115)**	**0.33**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**84**	**(40 - 115)**			**SW846 8330**
	84	**(40 - 115)**	**0.47**	**(0-44)**	**SW846 8330**
RDX	**94**	**(69 - 118)**			**SW846 8330**
	96	**(69 - 118)**	**1.3**	**(0-37)**	**SW846 8330**
Tetryl	**109**	**(69 - 127)**			**SW846 8330**
	111	**(69 - 127)**	**1.5**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**95**	**(73 - 122)**			**SW846 8330**
	97	**(73 - 122)**	**2.4**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**99**	**(73 - 116)**			**SW846 8330**
	99	**(73 - 116)**	**0.25**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)
	93	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27
LCS Lot-Sample#: D7J080000-125
Prep Date.....: 10/08/07
Prep Batch #...: 7281125
Dilution Factor: 1

Work Order #...: J8FNE1AC-LCS
J8FNE1AD-LCSD
Analysis Date..: 10/23/07
Analysis Time..: 13:25

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**2.00**	**1.62**	**ug/L**	**81**		**SW846 8330**
	2.00	**1.60**	**ug/L**	**80**	**1.6**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**2.00**	**1.46**	**ug/L**	**73**		**SW846 8330**
	2.00	**1.44**	**ug/L**	**72**	**1.4**	**SW846 8330**
1,3-Dinitrobenzene	**2.00**	**1.92**	**ug/L**	**96**		**SW846 8330**
	2.00	**1.94**	**ug/L**	**97**	**1.0**	**SW846 8330**
2,4-Dinitrotoluene	**2.00**	**1.96**	**ug/L**	**98**		**SW846 8330**
	2.00	**1.98**	**ug/L**	**99**	**0.91**	**SW846 8330**
2,6-Dinitrotoluene	**2.00**	**1.93**	**ug/L**	**97**		**SW846 8330**
	2.00	**1.92**	**ug/L**	**96**	**0.77**	**SW846 8330**
HMX	**2.00**	**1.99**	**ug/L**	**99**		**SW846 8330**
	2.00	**1.99**	**ug/L**	**100**	**0.30**	**SW846 8330**
Nitrobenzene	**2.00**	**1.47**	**ug/L**	**73**		**SW846 8330**
	2.00	**1.46**	**ug/L**	**73**	**0.34**	**SW846 8330**
2-Nitrotoluene	**2.00**	**1.27**	**ug/L**	**64**		**SW846 8330**
	2.00	**1.33**	**ug/L**	**67**	**4.5**	**SW846 8330**
3-Nitrotoluene	**2.00**	**1.78**	**ug/L**	**89**		**SW846 8330**
	2.00	**1.78**	**ug/L**	**89**	**0.33**	**SW846 8330**
4-Nitrotoluene	**2.00**	**1.68**	**ug/L**	**84**		**SW846 8330**
	2.00	**1.68**	**ug/L**	**84**	**0.47**	**SW846 8330**
RDX	**2.00**	**1.89**	**ug/L**	**94**		**SW846 8330**
	2.00	**1.91**	**ug/L**	**96**	**1.3**	**SW846 8330**
Tetryl	**2.00**	**2.18**	**ug/L**	**109**		**SW846 8330**
	2.00	**2.22**	**ug/L**	**111**	**1.5**	**SW846 8330**
1,3,5-Trinitrobenzene	**2.00**	**1.90**	**ug/L**	**95**		**SW846 8330**
	2.00	**1.95**	**ug/L**	**97**	**2.4**	**SW846 8330**
2,4,6-Trinitrotoluene	**2.00**	**1.98**	**ug/L**	**99**		**SW846 8330**
	2.00	**1.98**	**ug/L**	**99**	**0.25**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)
	93	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27
LCS Lot-Sample#: D7J080000-424
Prep Date.....: 10/08/07
Prep Batch #...: 7281424
Dilution Factor: 1

Work Order #...: J8GRJ1AC-LCS
J8GRJ1AD-LCSD
Analysis Date..: 10/24/07
Analysis Time..: 03:14

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**76**	**(75 - 115)**			**SW846 8330**
	83	**(75 - 115)**	**8.8**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**67**	**(57 - 115)**			**SW846 8330**
	76	**(57 - 115)**	**12**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**92**	**(78 - 115)**			**SW846 8330**
	97	**(78 - 115)**	**5.2**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**96**	**(75 - 115)**			**SW846 8330**
	100	**(75 - 115)**	**4.4**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**94**	**(77 - 115)**			**SW846 8330**
	99	**(77 - 115)**	**5.3**	**(0-20)**	**SW846 8330**
HMX	**94**	**(78 - 115)**			**SW846 8330**
	102	**(78 - 115)**	**7.9**	**(0-26)**	**SW846 8330**
Nitrobenzene	**83**	**(51 - 115)**			**SW846 8330**
	92	**(51 - 115)**	**10**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**82**	**(35 - 115)**			**SW846 8330**
	81	**(35 - 115)**	**1.4**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**97**	**(30 - 115)**			**SW846 8330**
	100	**(30 - 115)**	**3.6**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**91**	**(40 - 115)**			**SW846 8330**
	94	**(40 - 115)**	**3.5**	**(0-44)**	**SW846 8330**
RDX	**92**	**(69 - 118)**			**SW846 8330**
	96	**(69 - 118)**	**4.6**	**(0-37)**	**SW846 8330**
Tetryl	**107**	**(69 - 127)**			**SW846 8330**
	111	**(69 - 127)**	**4.3**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**90**	**(73 - 122)**			**SW846 8330**
	96	**(73 - 122)**	**7.2**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**96**	**(73 - 116)**			**SW846 8330**
	100	**(73 - 116)**	**4.4**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	83	(75 - 118)
	92	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27
LCS Lot-Sample#: D7J080000-424
Prep Date.....: 10/08/07
Prep Batch #...: 7281424
Dilution Factor: 1

Work Order #...: J8GRJ1AC-LCS
J8GRJ1AD-LCSD
Analysis Date..: 10/24/07
Analysis Time..: 03:14

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**2.00**	**1.53**	**ug/L**	**76**		**SW846 8330**
	2.00	**1.67**	**ug/L**	**83**	**8.8**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**2.00**	**1.35**	**ug/L**	**67**		**SW846 8330**
	2.00	**1.51**	**ug/L**	**76**	**12**	**SW846 8330**
1,3-Dinitrobenzene	**2.00**	**1.85**	**ug/L**	**92**		**SW846 8330**
	2.00	**1.95**	**ug/L**	**97**	**5.2**	**SW846 8330**
2,4-Dinitrotoluene	**2.00**	**1.91**	**ug/L**	**96**		**SW846 8330**
	2.00	**2.00**	**ug/L**	**100**	**4.4**	**SW846 8330**
2,6-Dinitrotoluene	**2.00**	**1.88**	**ug/L**	**94**		**SW846 8330**
	2.00	**1.99**	**ug/L**	**99**	**5.3**	**SW846 8330**
HMX	**2.00**	**1.88**	**ug/L**	**94**		**SW846 8330**
	2.00	**2.03**	**ug/L**	**102**	**7.9**	**SW846 8330**
Nitrobenzene	**2.00**	**1.66**	**ug/L**	**83**		**SW846 8330**
	2.00	**1.84**	**ug/L**	**92**	**10**	**SW846 8330**
2-Nitrotoluene	**2.00**	**1.64**	**ug/L**	**82**		**SW846 8330**
	2.00	**1.62**	**ug/L**	**81**	**1.4**	**SW846 8330**
3-Nitrotoluene	**2.00**	**1.93**	**ug/L**	**97**		**SW846 8330**
	2.00	**2.00**	**ug/L**	**100**	**3.6**	**SW846 8330**
4-Nitrotoluene	**2.00**	**1.82**	**ug/L**	**91**		**SW846 8330**
	2.00	**1.88**	**ug/L**	**94**	**3.5**	**SW846 8330**
RDX	**2.00**	**1.83**	**ug/L**	**92**		**SW846 8330**
	2.00	**1.92**	**ug/L**	**96**	**4.6**	**SW846 8330**
Tetryl	**2.00**	**2.13**	**ug/L**	**107**		**SW846 8330**
	2.00	**2.22**	**ug/L**	**111**	**4.3**	**SW846 8330**
1,3,5-Trinitrobenzene	**2.00**	**1.79**	**ug/L**	**90**		**SW846 8330**
	2.00	**1.93**	**ug/L**	**96**	**7.2**	**SW846 8330**
2,4,6-Trinitrotoluene	**2.00**	**1.92**	**ug/L**	**96**		**SW846 8330**
	2.00	**2.01**	**ug/L**	**100**	**4.4**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	83	(75 - 118)
	92	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27
LCS Lot-Sample#: D7J100000-200
Prep Date.....: 10/10/07
Prep Batch #...: 7283200
Dilution Factor: 1

Work Order #...: J8K091AC-LCS
J8K091AD-LCSD
Analysis Date..: 10/30/07
Analysis Time..: 14:28

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**82**	**(75 - 115)**			**SW846 8330**
	82	**(75 - 115)**	**0.18**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**73**	**(57 - 115)**			**SW846 8330**
	74	**(57 - 115)**	**0.68**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**98**	**(78 - 115)**			**SW846 8330**
	98	**(78 - 115)**	**0.76**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**101**	**(75 - 115)**			**SW846 8330**
	101	**(75 - 115)**	**0.39**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**100**	**(77 - 115)**			**SW846 8330**
	100	**(77 - 115)**	**0.20**	**(0-20)**	**SW846 8330**
HMX	**100**	**(78 - 115)**			**SW846 8330**
	96	**(78 - 115)**	**4.0**	**(0-26)**	**SW846 8330**
Nitrobenzene	**77**	**(51 - 115)**			**SW846 8330**
	78	**(51 - 115)**	**1.4**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**72**	**(35 - 115)**			**SW846 8330**
	69	**(35 - 115)**	**4.0**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**79**	**(30 - 115)**			**SW846 8330**
	76	**(30 - 115)**	**3.2**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**87**	**(40 - 115)**			**SW846 8330**
	82	**(40 - 115)**	**5.5**	**(0-44)**	**SW846 8330**
RDX	**96**	**(69 - 118)**			**SW846 8330**
	105	**(69 - 118)**	**8.6**	**(0-37)**	**SW846 8330**
Tetryl	**112**	**(69 - 127)**			**SW846 8330**
	113	**(69 - 127)**	**0.31**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**98**	**(73 - 122)**			**SW846 8330**
	97	**(73 - 122)**	**0.56**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**102**	**(73 - 116)**			**SW846 8330**
	102	**(73 - 116)**	**0.58**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)
	92	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8K091AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J100000-200 J8K091AD-LCSD
Prep Date.....: 10/10/07 **Analysis Date..:** 10/30/07
Prep Batch #...: 7283200 **Analysis Time..:** 14:28
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**2.00**	**1.64**	**ug/L**	**82**		**SW846 8330**
	2.00	**1.65**	**ug/L**	**82**	**0.18**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**2.00**	**1.46**	**ug/L**	**73**		**SW846 8330**
	2.00	**1.47**	**ug/L**	**74**	**0.68**	**SW846 8330**
1,3-Dinitrobenzene	**2.00**	**1.95**	**ug/L**	**98**		**SW846 8330**
	2.00	**1.96**	**ug/L**	**98**	**0.76**	**SW846 8330**
2,4-Dinitrotoluene	**2.00**	**2.02**	**ug/L**	**101**		**SW846 8330**
	2.00	**2.02**	**ug/L**	**101**	**0.39**	**SW846 8330**
2,6-Dinitrotoluene	**2.00**	**2.00**	**ug/L**	**100**		**SW846 8330**
	2.00	**2.00**	**ug/L**	**100**	**0.20**	**SW846 8330**
HMX	**2.00**	**2.01**	**ug/L**	**100**		**SW846 8330**
	2.00	**1.93**	**ug/L**	**96**	**4.0**	**SW846 8330**
Nitrobenzene	**2.00**	**1.53**	**ug/L**	**77**		**SW846 8330**
	2.00	**1.55**	**ug/L**	**78**	**1.4**	**SW846 8330**
2-Nitrotoluene	**2.00**	**1.45**	**ug/L**	**72**		**SW846 8330**
	2.00	**1.39**	**ug/L**	**69**	**4.0**	**SW846 8330**
3-Nitrotoluene	**2.00**	**1.57**	**ug/L**	**79**		**SW846 8330**
	2.00	**1.52**	**ug/L**	**76**	**3.2**	**SW846 8330**
4-Nitrotoluene	**2.00**	**1.74**	**ug/L**	**87**		**SW846 8330**
	2.00	**1.64**	**ug/L**	**82**	**5.5**	**SW846 8330**
RDX	**2.00**	**1.92**	**ug/L**	**96**		**SW846 8330**
	2.00	**2.09**	**ug/L**	**105**	**8.6**	**SW846 8330**
Tetryl	**2.00**	**2.25**	**ug/L**	**112**		**SW846 8330**
	2.00	**2.26**	**ug/L**	**113**	**0.31**	**SW846 8330**
1,3,5-Trinitrobenzene	**2.00**	**1.96**	**ug/L**	**98**		**SW846 8330**
	2.00	**1.94**	**ug/L**	**97**	**0.56**	**SW846 8330**
2,4,6-Trinitrotoluene	**2.00**	**2.03**	**ug/L**	**102**		**SW846 8330**
	2.00	**2.04**	**ug/L**	**102**	**0.58**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)
	92	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27
LCS Lot-Sample#: D7J100000-201
Prep Date.....: 10/10/07
Prep Batch #...: 7283201
Dilution Factor: 1

Work Order #...: J8K1D1AC-LCS
J8K1D1AD-LCSD
Analysis Date..: 10/29/07
Analysis Time..: 10:51

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**78**	**(75 - 115)**			**SW846 8330**
	75	**(75 - 115)**	**2.8**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**69**	**(57 - 115)**			**SW846 8330**
	68	**(57 - 115)**	**0.73**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**98**	**(78 - 115)**			**SW846 8330**
	98	**(78 - 115)**	**0.91**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**99**	**(75 - 115)**			**SW846 8330**
	99	**(75 - 115)**	**0.45**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**99**	**(77 - 115)**			**SW846 8330**
	96	**(77 - 115)**	**3.6**	**(0-20)**	**SW846 8330**
HMX	**101**	**(78 - 115)**			**SW846 8330**
	102	**(78 - 115)**	**0.49**	**(0-26)**	**SW846 8330**
Nitrobenzene	**81**	**(51 - 115)**			**SW846 8330**
	84	**(51 - 115)**	**2.8**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**76**	**(35 - 115)**			**SW846 8330**
	73	**(35 - 115)**	**5.0**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**86**	**(30 - 115)**			**SW846 8330**
	91	**(30 - 115)**	**5.8**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**88**	**(40 - 115)**			**SW846 8330**
	85	**(40 - 115)**	**3.9**	**(0-44)**	**SW846 8330**
RDX	**99**	**(69 - 118)**			**SW846 8330**
	98	**(69 - 118)**	**1.6**	**(0-37)**	**SW846 8330**
Tetryl	**116**	**(69 - 127)**			**SW846 8330**
	115	**(69 - 127)**	**0.78**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**99**	**(73 - 122)**			**SW846 8330**
	100	**(73 - 122)**	**0.40**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**102**	**(73 - 116)**			**SW846 8330**
	102	**(73 - 116)**	**0.34**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)
	94	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8K1D1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J100000-201 J8K1D1AD-LCSD
Prep Date.....: 10/10/07 **Analysis Date..:** 10/29/07
Prep Batch #...: 7283201 **Analysis Time..:** 10:51
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**2.00**	**1.55**	**ug/L**	**78**		**SW846 8330**
	2.00	**1.51**	**ug/L**	**75**	**2.8**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**2.00**	**1.37**	**ug/L**	**69**		**SW846 8330**
	2.00	**1.36**	**ug/L**	**68**	**0.73**	**SW846 8330**
1,3-Dinitrobenzene	**2.00**	**1.95**	**ug/L**	**98**		**SW846 8330**
	2.00	**1.97**	**ug/L**	**98**	**0.91**	**SW846 8330**
2,4-Dinitrotoluene	**2.00**	**1.98**	**ug/L**	**99**		**SW846 8330**
	2.00	**1.97**	**ug/L**	**99**	**0.45**	**SW846 8330**
2,6-Dinitrotoluene	**2.00**	**1.99**	**ug/L**	**99**		**SW846 8330**
	2.00	**1.92**	**ug/L**	**96**	**3.6**	**SW846 8330**
HMX	**2.00**	**2.02**	**ug/L**	**101**		**SW846 8330**
	2.00	**2.03**	**ug/L**	**102**	**0.49**	**SW846 8330**
Nitrobenzene	**2.00**	**1.62**	**ug/L**	**81**		**SW846 8330**
	2.00	**1.67**	**ug/L**	**84**	**2.8**	**SW846 8330**
2-Nitrotoluene	**2.00**	**1.53**	**ug/L**	**76**		**SW846 8330**
	2.00	**1.46**	**ug/L**	**73**	**5.0**	**SW846 8330**
3-Nitrotoluene	**2.00**	**1.72**	**ug/L**	**86**		**SW846 8330**
	2.00	**1.82**	**ug/L**	**91**	**5.8**	**SW846 8330**
4-Nitrotoluene	**2.00**	**1.76**	**ug/L**	**88**		**SW846 8330**
	2.00	**1.70**	**ug/L**	**85**	**3.9**	**SW846 8330**
RDX	**2.00**	**1.98**	**ug/L**	**99**		**SW846 8330**
	2.00	**1.95**	**ug/L**	**98**	**1.6**	**SW846 8330**
Tetryl	**2.00**	**2.32**	**ug/L**	**116**		**SW846 8330**
	2.00	**2.30**	**ug/L**	**115**	**0.78**	**SW846 8330**
1,3,5-Trinitrobenzene	**2.00**	**1.98**	**ug/L**	**99**		**SW846 8330**
	2.00	**1.99**	**ug/L**	**100**	**0.40**	**SW846 8330**
2,4,6-Trinitrotoluene	**2.00**	**2.03**	**ug/L**	**102**		**SW846 8330**
	2.00	**2.04**	**ug/L**	**102**	**0.34**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	93	(75 - 118)
	94	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27
LCS Lot-Sample#: D7J150000-188
Prep Date.....: 10/15/07
Prep Batch #...: 7288188
Dilution Factor: 1

Work Order #...: J80071AC-LCS
J80071AD-LCSD
Analysis Date..: 11/05/07
Analysis Time..: 18:03

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**79**	**(75 - 115)**			**SW846 8330**
	78	**(75 - 115)**	**0.88**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**69**	**(57 - 115)**			**SW846 8330**
	69	**(57 - 115)**	**0.50**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**94**	**(78 - 115)**			**SW846 8330**
	92	**(78 - 115)**	**2.4**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**97**	**(75 - 115)**			**SW846 8330**
	94	**(75 - 115)**	**2.4**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**100**	**(77 - 115)**			**SW846 8330**
	97	**(77 - 115)**	**2.8**	**(0-20)**	**SW846 8330**
HMX	**96**	**(78 - 115)**			**SW846 8330**
	93	**(78 - 115)**	**2.6**	**(0-26)**	**SW846 8330**
Nitrobenzene	**66**	**(51 - 115)**			**SW846 8330**
	58	**(51 - 115)**	**12**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**56**	**(35 - 115)**			**SW846 8330**
	48	**(35 - 115)**	**16**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**72**	**(30 - 115)**			**SW846 8330**
	66	**(30 - 115)**	**8.7**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**76**	**(40 - 115)**			**SW846 8330**
	70	**(40 - 115)**	**9.1**	**(0-44)**	**SW846 8330**
RDX	**112**	**(69 - 118)**			**SW846 8330**
	99	**(69 - 118)**	**12**	**(0-37)**	**SW846 8330**
Tetryl	**108**	**(69 - 127)**			**SW846 8330**
	106	**(69 - 127)**	**1.7**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**92**	**(73 - 122)**			**SW846 8330**
	90	**(73 - 122)**	**2.5**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**97**	**(73 - 116)**			**SW846 8330**
	94	**(73 - 116)**	**3.7**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	87	(75 - 118)
	86	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27
LCS Lot-Sample#: D7J150000-188
Prep Date.....: 10/15/07
Prep Batch #...: 7288188
Dilution Factor: 1

Work Order #...: J80071AC-LCS
J80071AD-LCSD
Analysis Date..: 11/05/07
Analysis Time..: 18:03

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**2.00**	**1.58**	**ug/L**	**79**		**SW846 8330**
	2.00	**1.57**	**ug/L**	**78**	**0.88**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**2.00**	**1.38**	**ug/L**	**69**		**SW846 8330**
	2.00	**1.39**	**ug/L**	**69**	**0.50**	**SW846 8330**
1,3-Dinitrobenzene	**2.00**	**1.88**	**ug/L**	**94**		**SW846 8330**
	2.00	**1.84**	**ug/L**	**92**	**2.4**	**SW846 8330**
2,4-Dinitrotoluene	**2.00**	**1.94**	**ug/L**	**97**		**SW846 8330**
	2.00	**1.89**	**ug/L**	**94**	**2.4**	**SW846 8330**
2,6-Dinitrotoluene	**2.00**	**1.99**	**ug/L**	**100**		**SW846 8330**
	2.00	**1.94**	**ug/L**	**97**	**2.8**	**SW846 8330**
HMX	**2.00**	**1.91**	**ug/L**	**96**		**SW846 8330**
	2.00	**1.86**	**ug/L**	**93**	**2.6**	**SW846 8330**
Nitrobenzene	**2.00**	**1.31**	**ug/L**	**66**		**SW846 8330**
	2.00	**1.17**	**ug/L**	**58**	**12**	**SW846 8330**
2-Nitrotoluene	**2.00**	**1.12**	**ug/L**	**56**		**SW846 8330**
	2.00	**0.955**	**ug/L**	**48**	**16**	**SW846 8330**
3-Nitrotoluene	**2.00**	**1.43**	**ug/L**	**72**		**SW846 8330**
	2.00	**1.31**	**ug/L**	**66**	**8.7**	**SW846 8330**
4-Nitrotoluene	**2.00**	**1.52**	**ug/L**	**76**		**SW846 8330**
	2.00	**1.39**	**ug/L**	**70**	**9.1**	**SW846 8330**
RDX	**2.00**	**2.23**	**ug/L**	**112**		**SW846 8330**
	2.00	**1.98**	**ug/L**	**99**	**12**	**SW846 8330**
Tetryl	**2.00**	**2.16**	**ug/L**	**108**		**SW846 8330**
	2.00	**2.13**	**ug/L**	**106**	**1.7**	**SW846 8330**
1,3,5-Trinitrobenzene	**2.00**	**1.85**	**ug/L**	**92**		**SW846 8330**
	2.00	**1.80**	**ug/L**	**90**	**2.5**	**SW846 8330**
2,4,6-Trinitrotoluene	**2.00**	**1.95**	**ug/L**	**97**		**SW846 8330**
	2.00	**1.88**	**ug/L**	**94**	**3.7**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	87	(75 - 118)
	86	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27
LCS Lot-Sample#: D7J300000-140
Prep Date.....: 10/30/07
Prep Batch #...: 7303140
Dilution Factor: 1

Work Order #...: J94131AC-LCS
J94131AD-LCSD
Analysis Date..: 10/31/07
Analysis Time..: 15:13

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**83**	**(75 - 115)**			**SW846 8330**
	78	**(75 - 115)**	**7.1**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**67**	**(57 - 115)**			**SW846 8330**
	60	**(57 - 115)**	**11**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**101**	**(78 - 115)**			**SW846 8330**
	95	**(78 - 115)**	**5.8**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**104**	**(75 - 115)**			**SW846 8330**
	100	**(75 - 115)**	**3.7**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**109**	**(77 - 115)**			**SW846 8330**
	102	**(77 - 115)**	**6.8**	**(0-20)**	**SW846 8330**
HMX	**102**	**(78 - 115)**			**SW846 8330**
	100	**(78 - 115)**	**2.6**	**(0-26)**	**SW846 8330**
Nitrobenzene	**81**	**(51 - 115)**			**SW846 8330**
	75	**(51 - 115)**	**6.9**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**76**	**(35 - 115)**			**SW846 8330**
	70	**(35 - 115)**	**8.3**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**95**	**(30 - 115)**			**SW846 8330**
	96	**(30 - 115)**	**0.52**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**95**	**(40 - 115)**			**SW846 8330**
	86	**(40 - 115)**	**11**	**(0-44)**	**SW846 8330**
RDX	**103**	**(69 - 118)**			**SW846 8330**
	110	**(69 - 118)**	**6.4**	**(0-37)**	**SW846 8330**
Tetryl	**116**	**(69 - 127)**			**SW846 8330**
	108	**(69 - 127)**	**7.5**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**102**	**(73 - 122)**			**SW846 8330**
	95	**(73 - 122)**	**7.1**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**103**	**(73 - 116)**			**SW846 8330**
	98	**(73 - 116)**	**5.4**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	97	(75 - 118)
	92	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J94131AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D7J300000-140 J94131AD-LCSD
Prep Date.....: 10/30/07 **Analysis Date..:** 10/31/07
Prep Batch #...: 7303140 **Analysis Time..:** 15:13
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**2.00**	**1.66**	**ug/L**	**83**		**SW846 8330**
	2.00	**1.55**	**ug/L**	**78**	**7.1**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**2.00**	**1.35**	**ug/L**	**67**		**SW846 8330**
	2.00	**1.21**	**ug/L**	**60**	**11**	**SW846 8330**
1,3-Dinitrobenzene	**2.00**	**2.01**	**ug/L**	**101**		**SW846 8330**
	2.00	**1.90**	**ug/L**	**95**	**5.8**	**SW846 8330**
2,4-Dinitrotoluene	**2.00**	**2.08**	**ug/L**	**104**		**SW846 8330**
	2.00	**2.01**	**ug/L**	**100**	**3.7**	**SW846 8330**
2,6-Dinitrotoluene	**2.00**	**2.18**	**ug/L**	**109**		**SW846 8330**
	2.00	**2.04**	**ug/L**	**102**	**6.8**	**SW846 8330**
HMX	**2.00**	**2.05**	**ug/L**	**102**		**SW846 8330**
	2.00	**2.00**	**ug/L**	**100**	**2.6**	**SW846 8330**
Nitrobenzene	**2.00**	**1.62**	**ug/L**	**81**		**SW846 8330**
	2.00	**1.51**	**ug/L**	**75**	**6.9**	**SW846 8330**
2-Nitrotoluene	**2.00**	**1.51**	**ug/L**	**76**		**SW846 8330**
	2.00	**1.39**	**ug/L**	**70**	**8.3**	**SW846 8330**
3-Nitrotoluene	**2.00**	**1.90**	**ug/L**	**95**		**SW846 8330**
	2.00	**1.91**	**ug/L**	**96**	**0.52**	**SW846 8330**
4-Nitrotoluene	**2.00**	**1.90**	**ug/L**	**95**		**SW846 8330**
	2.00	**1.71**	**ug/L**	**86**	**11**	**SW846 8330**
RDX	**2.00**	**2.06**	**ug/L**	**103**		**SW846 8330**
	2.00	**2.19**	**ug/L**	**110**	**6.4**	**SW846 8330**
Tetryl	**2.00**	**2.32**	**ug/L**	**116**		**SW846 8330**
	2.00	**2.16**	**ug/L**	**108**	**7.5**	**SW846 8330**
1,3,5-Trinitrobenzene	**2.00**	**2.03**	**ug/L**	**102**		**SW846 8330**
	2.00	**1.89**	**ug/L**	**95**	**7.1**	**SW846 8330**
2,4,6-Trinitrotoluene	**2.00**	**2.07**	**ug/L**	**103**		**SW846 8330**
	2.00	**1.96**	**ug/L**	**98**	**5.4**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	97	(75 - 118)
	92	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: HTA-27
MS Lot-Sample #: D7J050164-004
Date Sampled...: 10/04/07 14:05
Prep Date.....: 10/10/07
Prep Batch #...: 7283201
Dilution Factor: 1

Work Order #...: J8CC01DM-MS
J8CC01DN-MSD
Date Received..: 10/05/07
Analysis Date..: 10/25/07
Analysis Time..: 06:36

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**85**	**(75 - 115)**			**SW846 8330**
	90	**(75 - 115)**	**4.6**	**(0-18)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**75**	**(57 - 115)**			**SW846 8330**
	80	**(57 - 115)**	**5.8**	**(0-22)**	**SW846 8330**
1,3-Dinitrobenzene	**99**	**(78 - 115)**			**SW846 8330**
	103	**(78 - 115)**	**2.5**	**(0-19)**	**SW846 8330**
2,4-Dinitrotoluene	**103**	**(75 - 115)**			**SW846 8330**
	107	**(75 - 115)**	**3.0**	**(0-21)**	**SW846 8330**
2,6-Dinitrotoluene	**104**	**(77 - 115)**			**SW846 8330**
	107	**(77 - 115)**	**1.8**	**(0-20)**	**SW846 8330**
HMX	**99**	**(78 - 115)**			**SW846 8330**
	101	**(78 - 115)**	**0.65**	**(0-26)**	**SW846 8330**
Nitrobenzene	**94**	**(51 - 115)**			**SW846 8330**
	96	**(51 - 115)**	**1.9**	**(0-32)**	**SW846 8330**
2-Nitrotoluene	**88**	**(35 - 115)**			**SW846 8330**
	90	**(35 - 115)**	**2.0**	**(0-43)**	**SW846 8330**
3-Nitrotoluene	**101**	**(30 - 115)**			**SW846 8330**
	109	**(30 - 115)**	**6.0**	**(0-74)**	**SW846 8330**
4-Nitrotoluene	**97**	**(40 - 115)**			**SW846 8330**
	102	**(40 - 115)**	**3.2**	**(0-44)**	**SW846 8330**
RDX	**91**	**(69 - 118)**			**SW846 8330**
	98	**(69 - 118)**	**6.4**	**(0-37)**	**SW846 8330**
Tetryl	**113**	**(69 - 127)**			**SW846 8330**
	118	**(69 - 127)**	**2.6**	**(0-24)**	**SW846 8330**
1,3,5-Trinitrobenzene	**96**	**(73 - 122)**			**SW846 8330**
	100	**(73 - 122)**	**2.3**	**(0-21)**	**SW846 8330**
2,4,6-Trinitrotoluene	**101**	**(73 - 116)**			**SW846 8330**
	105	**(73 - 116)**	**2.3**	**(0-19)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)
	94	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: HTA-27 **Work Order #...:** J8CC01DM-MS **Matrix.....:** WATER
MS Lot-Sample #: D7J050164-004 J8CC01DN-MSD
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07
Prep Date.....: 10/10/07 **Analysis Date..:** 10/25/07
Prep Batch #...: 7283201 **Analysis Time..:** 06:36
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	**ND**	**1.99**	**1.68**	**ug/L**	**85**		**SW846 8330**
	ND	**1.97**	**1.76**	**ug/L**	**90**	**4.6**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**ND**	**1.99**	**1.49**	**ug/L**	**75**		**SW846 8330**
	ND	**1.97**	**1.58**	**ug/L**	**80**	**5.8**	**SW846 8330**
1,3-Dinitrobenzene	**ND**	**1.99**	**1.98**	**ug/L**	**99**		**SW846 8330**
	ND	**1.97**	**2.03**	**ug/L**	**103**	**2.5**	**SW846 8330**
2,4-Dinitrotoluene	**ND**	**1.99**	**2.05**	**ug/L**	**103**		**SW846 8330**
	ND	**1.97**	**2.11**	**ug/L**	**107**	**3.0**	**SW846 8330**
2,6-Dinitrotoluene	**ND**	**1.99**	**2.07**	**ug/L**	**104**		**SW846 8330**
	ND	**1.97**	**2.11**	**ug/L**	**107**	**1.8**	**SW846 8330**
HMX	**ND**	**1.99**	**1.97**	**ug/L**	**99**		**SW846 8330**
	ND	**1.97**	**1.98**	**ug/L**	**101**	**0.65**	**SW846 8330**
Nitrobenzene	**ND**	**1.99**	**1.86**	**ug/L**	**94**		**SW846 8330**
	ND	**1.97**	**1.90**	**ug/L**	**96**	**1.9**	**SW846 8330**
2-Nitrotoluene	**ND**	**1.99**	**1.74**	**ug/L**	**88**		**SW846 8330**
	ND	**1.97**	**1.78**	**ug/L**	**90**	**2.0**	**SW846 8330**
3-Nitrotoluene	**ND**	**1.99**	**2.01**	**ug/L**	**101**		**SW846 8330**
	ND	**1.97**	**2.14**	**ug/L**	**109**	**6.0**	**SW846 8330**
4-Nitrotoluene	**ND**	**1.99**	**1.94**	**ug/L**	**97**		**SW846 8330**
	ND	**1.97**	**2.00**	**ug/L**	**102**	**3.2**	**SW846 8330**
RDX	**ND**	**1.99**	**1.81**	**ug/L**	**91**		**SW846 8330**
	ND	**1.97**	**1.93**	**ug/L**	**98**	**6.4**	**SW846 8330**
Tetryl	**ND**	**1.99**	**2.25**	**ug/L**	**113**		**SW846 8330**
	ND	**1.97**	**2.31**	**ug/L**	**118**	**2.6**	**SW846 8330**
1,3,5-Trinitrobenzene	**ND**	**1.99**	**1.92**	**ug/L**	**96**		**SW846 8330**
	ND	**1.97**	**1.96**	**ug/L**	**100**	**2.3**	**SW846 8330**
2,4,6-Trinitrotoluene	**ND**	**1.99**	**2.02**	**ug/L**	**101**		**SW846 8330**
	ND	**1.97**	**2.07**	**ug/L**	**105**	**2.3**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dinitrobenzene	91	(75 - 118)
	94	(75 - 118)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D7J050000-246 **Prep Batch #...:** 7278246						
Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AF
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AJ
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Barium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AK
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AM
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AN
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Cobalt	**0.016 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8A4E1AA**
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AC
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AQ
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AD
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Molybdenum	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AP
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Nickel	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AE
		Dilution Factor: 1				
		Analysis Time..: 00:39				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	**2.7 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8A4E1AR**
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AL
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4E1AG
		Dilution Factor: 1				
		Analysis Time..: 00:39				
Zinc	**2.8 B**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8A4E1AH**
		Dilution Factor: 1				
		Analysis Time..: 00:39				

MB Lot-Sample #: D7J050000-247 **Prep Batch #...:** 7278247

Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AL
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AP
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Barium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AQ
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AA
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AC
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Cobalt	**0.011 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8A4J1AG**
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AH
		Dilution Factor: 1				
		Analysis Time..: 02:35				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AE
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AJ
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Molybdenum	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AD
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Nickel	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AK
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Selenium	**2.0 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8A4J1AF**
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AR
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4J1AM
		Dilution Factor: 1				
		Analysis Time..: 02:35				
Zinc	**3.1 B**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8A4J1AN**
		Dilution Factor: 1				
		Analysis Time..: 02:35				

MB Lot-Sample #: D7J050000-248 **Prep Batch #...:** 7278248

Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AL
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AP
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Barium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AQ
		Dilution Factor: 1				
		Analysis Time..: 04:56				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AA
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AC
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Cobalt	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AG
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AH
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AE
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AJ
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Molybdenum	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AD
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Nickel	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AK
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AF
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AR
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8A4M1AM
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Zinc	**2.7 B**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8A4M1AN**
		Dilution Factor: 1				
		Analysis Time..: 04:56				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D7J050000-272 **Prep Batch #...:** 7278272						
Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8A651AA
		Dilution Factor: 1				
		Analysis Time..: 07:16				
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8A651AD
		Dilution Factor: 1				
		Analysis Time..: 07:16				
Calcium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J8A651AE
		Dilution Factor: 1				
		Analysis Time..: 07:16				
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8A651AC
		Dilution Factor: 1				
		Analysis Time..: 07:16				
Magnesium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J8A651AG
		Dilution Factor: 1				
		Analysis Time..: 07:16				
Potassium	ND	3000	ug/L	SW846 6010B	10/23-10/24/07	J8A651AF
		Dilution Factor: 1				
		Analysis Time..: 07:16				
Sodium	ND	1000	ug/L	SW846 6010B	10/23-10/24/07	J8A651AH
		Dilution Factor: 1				
		Analysis Time..: 07:16				
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8A651AJ
		Dilution Factor: 1				
		Analysis Time..: 07:16				
MB Lot-Sample #: D7J050000-273 **Prep Batch #...:** 7278273						
Aluminum	**61 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8A691AA**
		Dilution Factor: 1				
		Analysis Time..: 09:25				
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8A691AD
		Dilution Factor: 1				
		Analysis Time..: 09:25				
Calcium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J8A691AE
		Dilution Factor: 1				
		Analysis Time..: 09:25				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8A691AC
		Dilution Factor: 1				
		Analysis Time..: 09:25				
Magnesium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J8A691AG
		Dilution Factor: 1				
		Analysis Time..: 09:25				
Potassium	ND	3000	ug/L	SW846 6010B	10/23-10/24/07	J8A691AF
		Dilution Factor: 1				
		Analysis Time..: 09:25				
Sodium	ND	1000	ug/L	SW846 6010B	10/23-10/24/07	J8A691AH
		Dilution Factor: 1				
		Analysis Time..: 09:25				
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8A691AJ
		Dilution Factor: 1				
		Analysis Time..: 09:25				

MB Lot-Sample #: D7J050000-274 **Prep Batch #...:** 7278274

Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8A7D1AA
		Dilution Factor: 1				
		Analysis Time..: 16:51				
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8A7D1AD
		Dilution Factor: 1				
		Analysis Time..: 16:51				
Calcium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J8A7D1AE
		Dilution Factor: 1				
		Analysis Time..: 16:51				
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8A7D1AC
		Dilution Factor: 1				
		Analysis Time..: 16:51				
Magnesium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J8A7D1AG
		Dilution Factor: 1				
		Analysis Time..: 16:51				
Potassium	ND	3000	ug/L	SW846 6010B	10/23-10/24/07	J8A7D1AF
		Dilution Factor: 1				
		Analysis Time..: 16:51				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	ND	1000	ug/L	SW846 6010B	10/23-10/24/07	J8A7D1AH
		Dilution Factor: 1				
		Analysis Time..: 16:51				
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8A7D1AJ
		Dilution Factor: 1				
		Analysis Time..: 16:51				

MB Lot-Sample #: D7J090000-361 **Prep Batch #...:** 7282361

Antimony	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AF
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AJ
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Barium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AK
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Cadmium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AM
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Chromium	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AN
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Cobalt	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AA
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Copper	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AC
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Lead	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AQ
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Manganese	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AD
		Dilution Factor: 1				
		Analysis Time..: 06:52				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Molybdenum	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AP
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Nickel	ND	2.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AE
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Selenium	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AR
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Silver	ND	5.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AL
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Thallium	ND	1.0	ug/L	SW846 6020	10/23-10/26/07	J8JCX1AG
		Dilution Factor: 1				
		Analysis Time..: 06:52				
Zinc	**2.6 B**	**10**	**ug/L**	**SW846 6020**	**10/23-10/26/07**	**J8JCX1AH**
		Dilution Factor: 1				
		Analysis Time..: 06:52				

MB Lot-Sample #: D7J090000-375 **Prep Batch #...:** 7282375

Aluminum	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J8JD31AA
		Dilution Factor: 1				
		Analysis Time..: 04:42				
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J8JD31AD
		Dilution Factor: 1				
		Analysis Time..: 04:42				
Calcium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J8JD31AE
		Dilution Factor: 1				
		Analysis Time..: 04:42				
Iron	**28 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J8JD31AC**
		Dilution Factor: 1				
		Analysis Time..: 04:42				
Magnesium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J8JD31AG
		Dilution Factor: 1				
		Analysis Time..: 04:42				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	ND	3000	ug/L	SW846 6010B	10/23-10/24/07	J8JD31AF
		Dilution Factor: 1				
		Analysis Time..: 04:42				
Sodium	ND	1000	ug/L	SW846 6010B	10/23-10/24/07	J8JD31AH
		Dilution Factor: 1				
		Analysis Time..: 04:42				
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J8JD31AJ
		Dilution Factor: 1				
		Analysis Time..: 04:42				
MB Lot-Sample #: D7J160000-215 **Prep Batch #...:** 7289215						
Mercury	**0.037 B**	**0.20**	**ug/L**	**SW846 7470A**	**10/22-10/23/07**	**J847A1AA**
		Dilution Factor: 1				
		Analysis Time..: 17:20				
MB Lot-Sample #: D7J160000-216 **Prep Batch #...:** 7289216						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J847E1AA
		Dilution Factor: 1				
		Analysis Time..: 18:08				
MB Lot-Sample #: D7J160000-218 **Prep Batch #...:** 7289218						
Mercury	ND	0.20	ug/L	SW846 7470A	10/22-10/23/07	J847G1AA
		Dilution Factor: 1				
		Analysis Time..: 18:54				
MB Lot-Sample #: D7J170000-371 **Prep Batch #...:** 7290371						
Antimony	ND	2.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AF
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Arsenic	ND	5.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AJ
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Barium	ND	1.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AK
		Dilution Factor: 1				
		Analysis Time..: 23:50				

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TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium	**0.064 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/08/07**	**J858C1AM**
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Chromium	ND	2.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AN
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Cobalt	**0.010 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/08/07**	**J858C1AA**
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Copper	ND	2.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AC
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Lead	**0.46 B**	**1.0**	**ug/L**	**SW846 6020**	**10/23-11/08/07**	**J858C1AQ**
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Manganese	ND	1.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AD
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Molybdenum	ND	2.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AP
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Nickel	ND	2.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AE
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Selenium	**1.2 B**	**5.0**	**ug/L**	**SW846 6020**	**10/23-11/08/07**	**J858C1AR**
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Silver	ND	5.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AL
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Thallium	ND	1.0	ug/L	SW846 6020	10/23-11/08/07	J858C1AG
		Dilution Factor: 1				
		Analysis Time..: 23:50				
Zinc	**3.2 B**	**10**	**ug/L**	**SW846 6020**	**10/23-11/08/07**	**J858C1AH**
		Dilution Factor: 1				
		Analysis Time..: 23:50				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D7J170000-444 **Prep Batch #...:** 7290444						
Aluminum	**32 B**	**100**	**ug/L**	**SW846 6010B**	**10/23-10/24/07**	**J86M01AA**
		Dilution Factor: 1				
		Analysis Time..: 03:41				
Beryllium	ND	1.0	ug/L	SW846 6010B	10/23-10/24/07	J86M01AD
		Dilution Factor: 1				
		Analysis Time..: 03:41				
Calcium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J86M01AE
		Dilution Factor: 1				
		Analysis Time..: 03:41				
Iron	ND	100	ug/L	SW846 6010B	10/23-10/24/07	J86M01AC
		Dilution Factor: 1				
		Analysis Time..: 03:41				
Magnesium	ND	200	ug/L	SW846 6010B	10/23-10/24/07	J86M01AG
		Dilution Factor: 1				
		Analysis Time..: 03:41				
Potassium	ND	3000	ug/L	SW846 6010B	10/23-10/24/07	J86M01AF
		Dilution Factor: 1				
		Analysis Time..: 03:41				
Sodium	ND	1000	ug/L	SW846 6010B	10/23-10/24/07	J86M01AH
		Dilution Factor: 1				
		Analysis Time..: 03:41				
Vanadium	ND	10	ug/L	SW846 6010B	10/23-10/24/07	J86M01AJ
		Dilution Factor: 1				
		Analysis Time..: 03:41				
MB Lot-Sample #: D7J190000-394 **Prep Batch #...:** 7292394						
Mercury	ND	0.20	ug/L	SW846 7470A	10/30/07	J9E0E1AA
		Dilution Factor: 1				
		Analysis Time..: 22:28				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Antimony	97	(71 - 128)			SW846 6020	10/23-10/26/07	7278246
	98	(71 - 128)	0.74	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Arsenic	105	(89 - 111)			SW846 6020	10/23-10/26/07	7278246
	107	(89 - 111)	2.1	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Barium	108	(89 - 117)			SW846 6020	10/23-10/26/07	7278246
	109	(89 - 117)	1.2	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Cadmium	98	(89 - 111)			SW846 6020	10/23-10/26/07	7278246
	98	(89 - 111)	0.10	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Chromium	121	(86 - 124)			SW846 6020	10/23-10/26/07	7278246
	121	(86 - 124)	0.24	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Cobalt	117	(92 - 120)			SW846 6020	10/23-10/26/07	7278246
	119	(92 - 120)	1.7	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Copper	108	(90 - 117)			SW846 6020	10/23-10/26/07	7278246
	108	(90 - 117)	0.53	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Lead	99	(88 - 119)			SW846 6020	10/23-10/26/07	7278246
	101	(88 - 119)	1.6	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Manganese	119	(87 - 124)			SW846 6020	10/23-10/26/07	7278246
	118	(87 - 124)	0.99	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Molybdenum	109	(89 - 112)			SW846 6020	10/23-10/26/07	7278246
	111	(89 - 112)	1.9	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Nickel	112	(86 - 119)			SW846 6020	10/23-10/26/07	7278246
	112	(86 - 119)	0.29	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Selenium	105	(82 - 114)			SW846 6020	10/23-10/26/07	7278246
	105	(82 - 114)	0.07	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Silver	106	(90 - 114)			SW846 6020	10/23-10/26/07	7278246
	106	(90 - 114)	0.14	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Thallium	104	(86 - 124)			SW846 6020	10/23-10/26/07	7278246
	106	(86 - 124)	1.6	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Zinc	104	(88 - 118)			SW846 6020	10/23-10/26/07	7278246
	107	(88 - 118)	2.7	(0-20)	SW846 6020	10/23-10/26/07	7278246
		Dilution Factor: 1			Analysis Time..: 00:44		
Antimony	95	(71 - 128)			SW846 6020	10/23-10/26/07	7278247
	94	(71 - 128)	1.0	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Arsenic	101	(89 - 111)			SW846 6020	10/23-10/26/07	7278247
	100	(89 - 111)	1.7	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Barium	103	(89 - 117)			SW846 6020	10/23-10/26/07	7278247
	104	(89 - 117)	0.41	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Cadmium	97	(89 - 111)			SW846 6020	10/23-10/26/07	7278247
	97	(89 - 111)	0.02	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Chromium	118	(86 - 124)			SW846 6020	10/23-10/26/07	7278247
	117	(86 - 124)	0.44	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Cobalt	115	(92 - 120)			SW846 6020	10/23-10/26/07	7278247
	111	(92 - 120)	3.3	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Copper	105	(90 - 117)			SW846 6020	10/23-10/26/07	7278247
	103	(90 - 117)	1.6	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Lead	98	(88 - 119)			SW846 6020	10/23-10/26/07	7278247
	96	(88 - 119)	1.8	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Manganese	116	(87 - 124)			SW846 6020	10/23-10/26/07	7278247
	114	(87 - 124)	1.4	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Molybdenum	106	(89 - 112)			SW846 6020	10/23-10/26/07	7278247
	107	(89 - 112)	1.0	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Nickel	109	(86 - 119)			SW846 6020	10/23-10/26/07	7278247
	107	(86 - 119)	1.4	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Selenium	101	(82 - 114)			SW846 6020	10/23-10/26/07	7278247
	100	(82 - 114)	0.94	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Silver	104	(90 - 114)			SW846 6020	10/23-10/26/07	7278247
	104	(90 - 114)	0.12	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Thallium	101	(86 - 124)			SW846 6020	10/23-10/26/07	7278247
	102	(86 - 124)	1.0	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		
Zinc	99	(88 - 118)			SW846 6020	10/23-10/26/07	7278247
	102	(88 - 118)	3.8	(0-20)	SW846 6020	10/23-10/26/07	7278247
		Dilution Factor: 1			Analysis Time..: 02:40		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Antimony	98	(71 - 128)			SW846 6020	10/23-10/26/07	7278248
	99	(71 - 128)	1.3	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Arsenic	100	(89 - 111)			SW846 6020	10/23-10/26/07	7278248
	101	(89 - 111)	1.3	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Barium	106	(89 - 117)			SW846 6020	10/23-10/26/07	7278248
	108	(89 - 117)	1.9	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Cadmium	102	(89 - 111)			SW846 6020	10/23-10/26/07	7278248
	103	(89 - 111)	1.0	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Chromium	113	(86 - 124)			SW846 6020	10/23-10/26/07	7278248
	114	(86 - 124)	1.1	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Cobalt	110	(92 - 120)			SW846 6020	10/23-10/26/07	7278248
	112	(92 - 120)	1.3	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Copper	105	(90 - 117)			SW846 6020	10/23-10/26/07	7278248
	106	(90 - 117)	0.87	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Lead	104	(88 - 119)			SW846 6020	10/23-10/26/07	7278248
	105	(88 - 119)	0.64	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Manganese	113	(87 - 124)			SW846 6020	10/23-10/26/07	7278248
	115	(87 - 124)	1.4	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Molybdenum	105	(89 - 112)			SW846 6020	10/23-10/26/07	7278248
	106	(89 - 112)	1.0	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Nickel	107	(86 - 119)			SW846 6020	10/23-10/26/07	7278248
	109	(86 - 119)	1.2	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Selenium	98	(82 - 114)			SW846 6020	10/23-10/26/07	7278248
	100	(82 - 114)	1.6	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Silver	103	(90 - 114)			SW846 6020	10/23-10/26/07	7278248
	105	(90 - 114)	1.5	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Thallium	107	(86 - 124)			SW846 6020	10/23-10/26/07	7278248
	108	(86 - 124)	0.58	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Zinc	107	(88 - 118)			SW846 6020	10/23-10/26/07	7278248
	109	(88 - 118)	1.4	(0-20)	SW846 6020	10/23-10/26/07	7278248
		Dilution Factor: 1			Analysis Time..: 05:01		
Aluminum	92	(87 - 111)			SW846 6010B	10/23-10/24/07	7278272
	92	(87 - 111)	0.34	(0-20)	SW846 6010B	10/23-10/24/07	7278272
		Dilution Factor: 1			Analysis Time..: 07:21		
Beryllium	101	(89 - 113)			SW846 6010B	10/23-10/24/07	7278272
	102	(89 - 113)	1.2	(0-20)	SW846 6010B	10/23-10/24/07	7278272
		Dilution Factor: 1			Analysis Time..: 07:21		
Calcium	105	(90 - 111)			SW846 6010B	10/23-10/24/07	7278272
	106	(90 - 111)	1.4	(0-20)	SW846 6010B	10/23-10/24/07	7278272
		Dilution Factor: 1			Analysis Time..: 07:21		
Iron	104	(89 - 115)			SW846 6010B	10/23-10/24/07	7278272
	106	(89 - 115)	1.1	(0-20)	SW846 6010B	10/23-10/24/07	7278272
		Dilution Factor: 1			Analysis Time..: 07:21		
Magnesium	102	(90 - 113)			SW846 6010B	10/23-10/24/07	7278272
	103	(90 - 113)	1.4	(0-20)	SW846 6010B	10/23-10/24/07	7278272
		Dilution Factor: 1			Analysis Time..: 07:21		

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Potassium	106	(89 - 114)			SW846 6010B	10/23-10/24/07	7278272
	106	(89 - 114)	0.57	(0-20)	SW846 6010B	10/23-10/24/07	7278272
		Dilution Factor: 1			Analysis Time..: 07:21		
Sodium	108	(90 - 115)			SW846 6010B	10/23-10/24/07	7278272
	109	(90 - 115)	0.91	(0-20)	SW846 6010B	10/23-10/24/07	7278272
		Dilution Factor: 1			Analysis Time..: 07:21		
Vanadium	102	(90 - 111)			SW846 6010B	10/23-10/24/07	7278272
	103	(90 - 111)	0.98	(0-20)	SW846 6010B	10/23-10/24/07	7278272
		Dilution Factor: 1			Analysis Time..: 07:21		
Aluminum	95	(87 - 111)			SW846 6010B	10/23-10/24/07	7278273
	95	(87 - 111)	0.37	(0-20)	SW846 6010B	10/23-10/24/07	7278273
		Dilution Factor: 1			Analysis Time..: 09:30		
Beryllium	101	(89 - 113)			SW846 6010B	10/23-10/24/07	7278273
	102	(89 - 113)	0.57	(0-20)	SW846 6010B	10/23-10/24/07	7278273
		Dilution Factor: 1			Analysis Time..: 09:30		
Calcium	104	(90 - 111)			SW846 6010B	10/23-10/24/07	7278273
	105	(90 - 111)	0.30	(0-20)	SW846 6010B	10/23-10/24/07	7278273
		Dilution Factor: 1			Analysis Time..: 09:30		
Iron	108	(89 - 115)			SW846 6010B	10/23-10/24/07	7278273
	104	(89 - 115)	4.4	(0-20)	SW846 6010B	10/23-10/24/07	7278273
		Dilution Factor: 1			Analysis Time..: 09:30		
Magnesium	102	(90 - 113)			SW846 6010B	10/23-10/24/07	7278273
	102	(90 - 113)	0.31	(0-20)	SW846 6010B	10/23-10/24/07	7278273
		Dilution Factor: 1			Analysis Time..: 09:30		
Potassium	105	(89 - 114)			SW846 6010B	10/23-10/24/07	7278273
	106	(89 - 114)	0.85	(0-20)	SW846 6010B	10/23-10/24/07	7278273
		Dilution Factor: 1			Analysis Time..: 09:30		
Sodium	107	(90 - 115)			SW846 6010B	10/23-10/24/07	7278273
	108	(90 - 115)	1.1	(0-20)	SW846 6010B	10/23-10/24/07	7278273
		Dilution Factor: 1			Analysis Time..: 09:30		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Vanadium	102	(90 - 111)			SW846 6010B	10/23-10/24/07	7278273
	104	(90 - 111)	1.2	(0-20)	SW846 6010B	10/23-10/24/07	7278273
		Dilution Factor: 1			Analysis Time..: 09:30		
Aluminum	98	(87 - 111)			SW846 6010B	10/23-10/24/07	7278274
	98	(87 - 111)	0.01	(0-20)	SW846 6010B	10/23-10/24/07	7278274
		Dilution Factor: 1			Analysis Time..: 16:56		
Beryllium	102	(89 - 113)			SW846 6010B	10/23-10/24/07	7278274
	102	(89 - 113)	0.17	(0-20)	SW846 6010B	10/23-10/24/07	7278274
		Dilution Factor: 1			Analysis Time..: 16:56		
Calcium	104	(90 - 111)			SW846 6010B	10/23-10/24/07	7278274
	104	(90 - 111)	0.10	(0-20)	SW846 6010B	10/23-10/24/07	7278274
		Dilution Factor: 1			Analysis Time..: 16:56		
Iron	103	(89 - 115)			SW846 6010B	10/23-10/24/07	7278274
	102	(89 - 115)	1.1	(0-20)	SW846 6010B	10/23-10/24/07	7278274
		Dilution Factor: 1			Analysis Time..: 16:56		
Magnesium	103	(90 - 113)			SW846 6010B	10/23-10/24/07	7278274
	103	(90 - 113)	0.03	(0-20)	SW846 6010B	10/23-10/24/07	7278274
		Dilution Factor: 1			Analysis Time..: 16:56		
Potassium	104	(89 - 114)			SW846 6010B	10/23-10/24/07	7278274
	103	(89 - 114)	0.50	(0-20)	SW846 6010B	10/23-10/24/07	7278274
		Dilution Factor: 1			Analysis Time..: 16:56		
Sodium	106	(90 - 115)			SW846 6010B	10/23-10/24/07	7278274
	105	(90 - 115)	0.38	(0-20)	SW846 6010B	10/23-10/24/07	7278274
		Dilution Factor: 1			Analysis Time..: 16:56		
Vanadium	103	(90 - 111)			SW846 6010B	10/23-10/24/07	7278274
	102	(90 - 111)	0.48	(0-20)	SW846 6010B	10/23-10/24/07	7278274
		Dilution Factor: 1			Analysis Time..: 16:56		
Antimony	99	(71 - 128)			SW846 6020	10/23-10/26/07	7282361
	98	(71 - 128)	1.9	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Arsenic	102	(89 - 111)			SW846 6020	10/23-10/26/07	7282361
	99	(89 - 111)	2.1	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Barium	107	(89 - 117)			SW846 6020	10/23-10/26/07	7282361
	106	(89 - 117)	1.7	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Cadmium	103	(89 - 111)			SW846 6020	10/23-10/26/07	7282361
	101	(89 - 111)	1.6	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Chromium	113	(86 - 124)			SW846 6020	10/23-10/26/07	7282361
	111	(86 - 124)	1.8	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Cobalt	110	(92 - 120)			SW846 6020	10/23-10/26/07	7282361
	108	(92 - 120)	2.4	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Copper	105	(90 - 117)			SW846 6020	10/23-10/26/07	7282361
	103	(90 - 117)	2.1	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Lead	105	(88 - 119)			SW846 6020	10/23-10/26/07	7282361
	104	(88 - 119)	0.83	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Manganese	113	(87 - 124)			SW846 6020	10/23-10/26/07	7282361
	111	(87 - 124)	1.7	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Molybdenum	107	(89 - 112)			SW846 6020	10/23-10/26/07	7282361
	103	(89 - 112)	3.5	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Nickel	106	(86 - 119)			SW846 6020	10/23-10/26/07	7282361
	104	(86 - 119)	2.5	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Selenium	99	(82 - 114)			SW846 6020	10/23-10/26/07	7282361
	97	(82 - 114)	2.2	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Silver	103	(90 - 114)			SW846 6020	10/23-10/26/07	7282361
	101	(90 - 114)	2.3	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Thallium	109	(86 - 124)			SW846 6020	10/23-10/26/07	7282361
	108	(86 - 124)	1.5	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Zinc	108	(88 - 118)			SW846 6020	10/23-10/26/07	7282361
	109	(88 - 118)	0.29	(0-20)	SW846 6020	10/23-10/26/07	7282361
		Dilution Factor: 1			Analysis Time..: 06:57		
Aluminum	90	(87 - 111)			SW846 6010B	10/23-10/24/07	7282375
	95	(87 - 111)	5.1	(0-20)	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1			Analysis Time..: 04:48		
Beryllium	98	(89 - 113)			SW846 6010B	10/23-10/24/07	7282375
	102	(89 - 113)	3.4	(0-20)	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1			Analysis Time..: 04:48		
Calcium	102	(90 - 111)			SW846 6010B	10/23-10/24/07	7282375
	105	(90 - 111)	2.7	(0-20)	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1			Analysis Time..: 04:48		
Iron	101	(89 - 115)			SW846 6010B	10/23-10/24/07	7282375
	104	(89 - 115)	3.0	(0-20)	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1			Analysis Time..: 04:48		
Magnesium	99	(90 - 113)			SW846 6010B	10/23-10/24/07	7282375
	102	(90 - 113)	2.9	(0-20)	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1			Analysis Time..: 04:48		
Potassium	102	(89 - 114)			SW846 6010B	10/23-10/24/07	7282375
	107	(89 - 114)	4.6	(0-20)	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1			Analysis Time..: 04:48		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Sodium	104	(90 - 115)			SW846 6010B	10/23-10/24/07	7282375
	108	(90 - 115)	3.8	(0-20)	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1			Analysis Time..: 04:48		
Vanadium	99	(90 - 111)			SW846 6010B	10/23-10/24/07	7282375
	103	(90 - 111)	3.3	(0-20)	SW846 6010B	10/23-10/24/07	7282375
		Dilution Factor: 1			Analysis Time..: 04:48		
Mercury	98	(88 - 111)			SW846 7470A	10/22-10/23/07	7289215
	99	(88 - 111)	1.2	(0-10)	SW846 7470A	10/22-10/23/07	7289215
		Dilution Factor: 1			Analysis Time..: 17:21		
Mercury	94	(88 - 111)			SW846 7470A	10/22-10/23/07	7289216
	98	(88 - 111)	4.5	(0-10)	SW846 7470A	10/22-10/23/07	7289216
		Dilution Factor: 1			Analysis Time..: 18:09		
Mercury	95	(88 - 111)			SW846 7470A	10/22-10/23/07	7289218
	93	(88 - 111)	2.0	(0-10)	SW846 7470A	10/22-10/23/07	7289218
		Dilution Factor: 1			Analysis Time..: 18:59		
Antimony	109	(71 - 128)			SW846 6020	10/23-11/08/07	7290371
	106	(71 - 128)	3.0	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Arsenic	104	(89 - 111)			SW846 6020	10/23-11/08/07	7290371
	102	(89 - 111)	2.7	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Barium	110	(89 - 117)			SW846 6020	10/23-11/08/07	7290371
	110	(89 - 117)	0.52	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Cadmium	108	(89 - 111)			SW846 6020	10/23-11/08/07	7290371
	106	(89 - 111)	1.8	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Chromium	111	(86 - 124)			SW846 6020	10/23-11/08/07	7290371
	118	(86 - 124)	6.2	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Cobalt	111	(92 - 120)			SW846 6020	10/23-11/08/07	7290371
	113	(92 - 120)	1.8	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Copper	112	(90 - 117)			SW846 6020	10/23-11/08/07	7290371
	112	(90 - 117)	0.46	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Lead	108	(88 - 119)			SW846 6020	10/23-11/08/07	7290371
	108	(88 - 119)	0.53	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Manganese	111	(87 - 124)			SW846 6020	10/23-11/08/07	7290371
	115	(87 - 124)	3.3	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Molybdenum	109	(89 - 112)			SW846 6020	10/23-11/08/07	7290371
	110	(89 - 112)	0.86	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Nickel	106	(86 - 119)			SW846 6020	10/23-11/08/07	7290371
	109	(86 - 119)	2.3	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Selenium	105	(82 - 114)			SW846 6020	10/23-11/08/07	7290371
	101	(82 - 114)	3.6	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Silver	110	(90 - 114)			SW846 6020	10/23-11/08/07	7290371
	112	(90 - 114)	1.4	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Thallium	111	(86 - 124)			SW846 6020	10/23-11/08/07	7290371
	111	(86 - 124)	0.02	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		
Zinc	114	(88 - 118)			SW846 6020	10/23-11/08/07	7290371
	109	(88 - 118)	4.3	(0-20)	SW846 6020	10/23-11/09/07	7290371
		Dilution Factor: 1			Analysis Time..: 23:55		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: HTA-27

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Aluminum	91	(87 - 111)			SW846 6010B	10/23-10/24/07	7290444
	93	(87 - 111)	2.5	(0-20)	SW846 6010B	10/23-10/24/07	7290444
		Dilution Factor: 1			Analysis Time..: 03:47		
Beryllium	99	(89 - 113)			SW846 6010B	10/23-10/24/07	7290444
	102	(89 - 113)	3.1	(0-20)	SW846 6010B	10/23-10/24/07	7290444
		Dilution Factor: 1			Analysis Time..: 03:47		
Calcium	102	(90 - 111)			SW846 6010B	10/23-10/24/07	7290444
	106	(90 - 111)	3.2	(0-20)	SW846 6010B	10/23-10/24/07	7290444
		Dilution Factor: 1			Analysis Time..: 03:47		
Iron	101	(89 - 115)			SW846 6010B	10/23-10/24/07	7290444
	105	(89 - 115)	4.0	(0-20)	SW846 6010B	10/23-10/24/07	7290444
		Dilution Factor: 1			Analysis Time..: 03:47		
Magnesium	100	(90 - 113)			SW846 6010B	10/23-10/24/07	7290444
	103	(90 - 113)	2.9	(0-20)	SW846 6010B	10/23-10/24/07	7290444
		Dilution Factor: 1			Analysis Time..: 03:47		
Potassium	103	(89 - 114)			SW846 6010B	10/23-10/24/07	7290444
	107	(89 - 114)	3.5	(0-20)	SW846 6010B	10/23-10/24/07	7290444
		Dilution Factor: 1			Analysis Time..: 03:47		
Sodium	105	(90 - 115)			SW846 6010B	10/23-10/24/07	7290444
	108	(90 - 115)	2.9	(0-20)	SW846 6010B	10/23-10/24/07	7290444
		Dilution Factor: 1			Analysis Time..: 03:47		
Vanadium	99	(90 - 111)			SW846 6010B	10/23-10/24/07	7290444
	103	(90 - 111)	3.1	(0-20)	SW846 6010B	10/23-10/24/07	7290444
		Dilution Factor: 1			Analysis Time..: 03:47		
Mercury	97	(88 - 111)			SW846 7470A	10/30/07	7292394
	96	(88 - 111)	0.53	(0-10)	SW846 7470A	10/30/07	7292394
		Dilution Factor: 1			Analysis Time..: 22:30		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Antimony	40.0	38.8	ug/L	97		SW846 6020	10/23-10/26/07	7278246
	40.0	39.1	ug/L	98	0.74	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Arsenic	40.0	42.0	ug/L	105		SW846 6020	10/23-10/26/07	7278246
	40.0	42.9	ug/L	107	2.1	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Barium	40.0	43.1	ug/L	108		SW846 6020	10/23-10/26/07	7278246
	40.0	43.6	ug/L	109	1.2	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Cadmium	40.0	39.4	ug/L	98		SW846 6020	10/23-10/26/07	7278246
	40.0	39.3	ug/L	98	0.10	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Chromium	40.0	48.4	ug/L	121		SW846 6020	10/23-10/26/07	7278246
	40.0	48.3	ug/L	121	0.24	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Cobalt	40.0	46.8	ug/L	117		SW846 6020	10/23-10/26/07	7278246
	40.0	47.6	ug/L	119	1.7	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Copper	40.0	43.1	ug/L	108		SW846 6020	10/23-10/26/07	7278246
	40.0	43.3	ug/L	108	0.53	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Lead	40.0	39.6	ug/L	99		SW846 6020	10/23-10/26/07	7278246
	40.0	40.3	ug/L	101	1.6	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Manganese	40.0	47.6	ug/L	119		SW846 6020	10/23-10/26/07	7278246
	40.0	47.2	ug/L	118	0.99	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Molybdenum	40.0	43.6	ug/L	109		SW846 6020	10/23-10/26/07	7278246
	40.0	44.5	ug/L	111	1.9	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nickel	40.0	44.9	ug/L	112		SW846 6020	10/23-10/26/07	7278246
	40.0	44.8	ug/L	112	0.29	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Selenium	40.0	42.1	ug/L	105		SW846 6020	10/23-10/26/07	7278246
	40.0	42.2	ug/L	105	0.07	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Silver	40.0	42.3	ug/L	106		SW846 6020	10/23-10/26/07	7278246
	40.0	42.2	ug/L	106	0.14	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Thallium	40.0	41.5	ug/L	104		SW846 6020	10/23-10/26/07	7278246
	40.0	42.2	ug/L	106	1.6	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Zinc	40.0	41.6	ug/L	104		SW846 6020	10/23-10/26/07	7278246
	40.0	42.7	ug/L	107	2.7	SW846 6020	10/23-10/26/07	7278246
			Dilution Factor: 1			Analysis Time..: 00:44		
Antimony	40.0	38.2	ug/L	95		SW846 6020	10/23-10/26/07	7278247
	40.0	37.8	ug/L	94	1.0	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Arsenic	40.0	40.6	ug/L	101		SW846 6020	10/23-10/26/07	7278247
	40.0	39.9	ug/L	100	1.7	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Barium	40.0	41.3	ug/L	103		SW846 6020	10/23-10/26/07	7278247
	40.0	41.5	ug/L	104	0.41	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Cadmium	40.0	38.8	ug/L	97		SW846 6020	10/23-10/26/07	7278247
	40.0	38.8	ug/L	97	0.02	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Chromium	40.0	47.0	ug/L	118		SW846 6020	10/23-10/26/07	7278247
	40.0	46.8	ug/L	117	0.44	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cobalt	40.0	46.1	ug/L	115		SW846 6020	10/23-10/26/07	7278247
	40.0	44.6	ug/L	111	3.3	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Copper	40.0	42.0	ug/L	105		SW846 6020	10/23-10/26/07	7278247
	40.0	41.3	ug/L	103	1.6	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Lead	40.0	39.3	ug/L	98		SW846 6020	10/23-10/26/07	7278247
	40.0	38.6	ug/L	96	1.8	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Manganese	40.0	46.4	ug/L	116		SW846 6020	10/23-10/26/07	7278247
	40.0	45.7	ug/L	114	1.4	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Molybdenum	40.0	42.5	ug/L	106		SW846 6020	10/23-10/26/07	7278247
	40.0	43.0	ug/L	107	1.0	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Nickel	40.0	43.6	ug/L	109		SW846 6020	10/23-10/26/07	7278247
	40.0	42.9	ug/L	107	1.4	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Selenium	40.0	40.4	ug/L	101		SW846 6020	10/23-10/26/07	7278247
	40.0	40.0	ug/L	100	0.94	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Silver	40.0	41.5	ug/L	104		SW846 6020	10/23-10/26/07	7278247
	40.0	41.5	ug/L	104	0.12	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Thallium	40.0	40.5	ug/L	101		SW846 6020	10/23-10/26/07	7278247
	40.0	40.9	ug/L	102	1.0	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		
Zinc	40.0	39.4	ug/L	99		SW846 6020	10/23-10/26/07	7278247
	40.0	41.0	ug/L	102	3.8	SW846 6020	10/23-10/26/07	7278247
			Dilution Factor: 1			Analysis Time..: 02:40		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Antimony	40.0	39.2	ug/L	98		SW846 6020	10/23-10/26/07	7278248
	40.0	39.7	ug/L	99	1.3	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Arsenic	40.0	40.0	ug/L	100		SW846 6020	10/23-10/26/07	7278248
	40.0	40.5	ug/L	101	1.3	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Barium	40.0	42.4	ug/L	106		SW846 6020	10/23-10/26/07	7278248
	40.0	43.2	ug/L	108	1.9	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Cadmium	40.0	40.7	ug/L	102		SW846 6020	10/23-10/26/07	7278248
	40.0	41.1	ug/L	103	1.0	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Chromium	40.0	45.1	ug/L	113		SW846 6020	10/23-10/26/07	7278248
	40.0	45.6	ug/L	114	1.1	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Cobalt	40.0	44.2	ug/L	110		SW846 6020	10/23-10/26/07	7278248
	40.0	44.8	ug/L	112	1.3	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Copper	40.0	42.2	ug/L	105		SW846 6020	10/23-10/26/07	7278248
	40.0	42.6	ug/L	106	0.87	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Lead	40.0	41.6	ug/L	104		SW846 6020	10/23-10/26/07	7278248
	40.0	41.8	ug/L	105	0.64	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Manganese	40.0	45.2	ug/L	113		SW846 6020	10/23-10/26/07	7278248
	40.0	45.8	ug/L	115	1.4	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Molybdenum	40.0	42.1	ug/L	105		SW846 6020	10/23-10/26/07	7278248
	40.0	42.5	ug/L	106	1.0	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nickel	40.0	42.9	ug/L	107		SW846 6020	10/23-10/26/07	7278248
	40.0	43.4	ug/L	109	1.2	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Selenium	40.0	39.3	ug/L	98		SW846 6020	10/23-10/26/07	7278248
	40.0	39.9	ug/L	100	1.6	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Silver	40.0	41.3	ug/L	103		SW846 6020	10/23-10/26/07	7278248
	40.0	42.0	ug/L	105	1.5	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Thallium	40.0	42.8	ug/L	107		SW846 6020	10/23-10/26/07	7278248
	40.0	43.1	ug/L	108	0.58	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Zinc	40.0	43.0	ug/L	107		SW846 6020	10/23-10/26/07	7278248
	40.0	43.6	ug/L	109	1.4	SW846 6020	10/23-10/26/07	7278248
			Dilution Factor: 1			Analysis Time..: 05:01		
Aluminum	2000	1840	ug/L	92		SW846 6010B	10/23-10/24/07	7278272
	2000	1850	ug/L	92	0.34	SW846 6010B	10/23-10/24/07	7278272
			Dilution Factor: 1			Analysis Time..: 07:21		
Beryllium	50.0	50.4	ug/L	101		SW846 6010B	10/23-10/24/07	7278272
	50.0	51.0	ug/L	102	1.2	SW846 6010B	10/23-10/24/07	7278272
			Dilution Factor: 1			Analysis Time..: 07:21		
Calcium	50000	52300	ug/L	105		SW846 6010B	10/23-10/24/07	7278272
	50000	53000	ug/L	106	1.4	SW846 6010B	10/23-10/24/07	7278272
			Dilution Factor: 1			Analysis Time..: 07:21		
Iron	1000	1040	ug/L	104		SW846 6010B	10/23-10/24/07	7278272
	1000	1060	ug/L	106	1.1	SW846 6010B	10/23-10/24/07	7278272
			Dilution Factor: 1			Analysis Time..: 07:21		
Magnesium	50000	50900	ug/L	102		SW846 6010B	10/23-10/24/07	7278272
	50000	51600	ug/L	103	1.4	SW846 6010B	10/23-10/24/07	7278272
			Dilution Factor: 1			Analysis Time..: 07:21		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Potassium	50000	52900	ug/L	106		SW846 6010B	10/23-10/24/07	7278272
	50000	53200	ug/L	106	0.57	SW846 6010B	10/23-10/24/07	7278272
			Dilution Factor: 1			Analysis Time..: 07:21		
Sodium	50000	53800	ug/L	108		SW846 6010B	10/23-10/24/07	7278272
	50000	54300	ug/L	109	0.91	SW846 6010B	10/23-10/24/07	7278272
			Dilution Factor: 1			Analysis Time..: 07:21		
Vanadium	500	509	ug/L	102		SW846 6010B	10/23-10/24/07	7278272
	500	514	ug/L	103	0.98	SW846 6010B	10/23-10/24/07	7278272
			Dilution Factor: 1			Analysis Time..: 07:21		
Aluminum	2000	1900	ug/L	95		SW846 6010B	10/23-10/24/07	7278273
	2000	1900	ug/L	95	0.37	SW846 6010B	10/23-10/24/07	7278273
			Dilution Factor: 1			Analysis Time..: 09:30		
Beryllium	50.0	50.7	ug/L	101		SW846 6010B	10/23-10/24/07	7278273
	50.0	51.0	ug/L	102	0.57	SW846 6010B	10/23-10/24/07	7278273
			Dilution Factor: 1			Analysis Time..: 09:30		
Calcium	50000	52200	ug/L	104		SW846 6010B	10/23-10/24/07	7278273
	50000	52300	ug/L	105	0.30	SW846 6010B	10/23-10/24/07	7278273
			Dilution Factor: 1			Analysis Time..: 09:30		
Iron	1000	1080	ug/L	108		SW846 6010B	10/23-10/24/07	7278273
	1000	1040	ug/L	104	4.4	SW846 6010B	10/23-10/24/07	7278273
			Dilution Factor: 1			Analysis Time..: 09:30		
Magnesium	50000	51000	ug/L	102		SW846 6010B	10/23-10/24/07	7278273
	50000	51200	ug/L	102	0.31	SW846 6010B	10/23-10/24/07	7278273
			Dilution Factor: 1			Analysis Time..: 09:30		
Potassium	50000	52300	ug/L	105		SW846 6010B	10/23-10/24/07	7278273
	50000	52800	ug/L	106	0.85	SW846 6010B	10/23-10/24/07	7278273
			Dilution Factor: 1			Analysis Time..: 09:30		
Sodium	50000	53400	ug/L	107		SW846 6010B	10/23-10/24/07	7278273
	50000	54000	ug/L	108	1.1	SW846 6010B	10/23-10/24/07	7278273
			Dilution Factor: 1			Analysis Time..: 09:30		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Vanadium	500	512	ug/L	102		SW846 6010B	10/23-10/24/07	7278273
	500	518	ug/L	104	1.2	SW846 6010B	10/23-10/24/07	7278273
			Dilution Factor: 1			Analysis Time..: 09:30		
Aluminum	2000	1960	ug/L	98		SW846 6010B	10/23-10/24/07	7278274
	2000	1960	ug/L	98	0.01	SW846 6010B	10/23-10/24/07	7278274
			Dilution Factor: 1			Analysis Time..: 16:56		
Beryllium	50.0	51.2	ug/L	102		SW846 6010B	10/23-10/24/07	7278274
	50.0	51.1	ug/L	102	0.17	SW846 6010B	10/23-10/24/07	7278274
			Dilution Factor: 1			Analysis Time..: 16:56		
Calcium	50000	52200	ug/L	104		SW846 6010B	10/23-10/24/07	7278274
	50000	52200	ug/L	104	0.10	SW846 6010B	10/23-10/24/07	7278274
			Dilution Factor: 1			Analysis Time..: 16:56		
Iron	1000	1030	ug/L	103		SW846 6010B	10/23-10/24/07	7278274
	1000	1020	ug/L	102	1.1	SW846 6010B	10/23-10/24/07	7278274
			Dilution Factor: 1			Analysis Time..: 16:56		
Magnesium	50000	51300	ug/L	103		SW846 6010B	10/23-10/24/07	7278274
	50000	51300	ug/L	103	0.03	SW846 6010B	10/23-10/24/07	7278274
			Dilution Factor: 1			Analysis Time..: 16:56		
Potassium	50000	51800	ug/L	104		SW846 6010B	10/23-10/24/07	7278274
	50000	51600	ug/L	103	0.50	SW846 6010B	10/23-10/24/07	7278274
			Dilution Factor: 1			Analysis Time..: 16:56		
Sodium	50000	52900	ug/L	106		SW846 6010B	10/23-10/24/07	7278274
	50000	52700	ug/L	105	0.38	SW846 6010B	10/23-10/24/07	7278274
			Dilution Factor: 1			Analysis Time..: 16:56		
Vanadium	500	515	ug/L	103		SW846 6010B	10/23-10/24/07	7278274
	500	512	ug/L	102	0.48	SW846 6010B	10/23-10/24/07	7278274
			Dilution Factor: 1			Analysis Time..: 16:56		
Antimony	40.0	39.8	ug/L	99		SW846 6020	10/23-10/26/07	7282361
	40.0	39.0	ug/L	98	1.9	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Arsenic	40.0	40.6	ug/L	102		SW846 6020	10/23-10/26/07	7282361
	40.0	39.8	ug/L	99	2.1	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Barium	40.0	43.0	ug/L	107		SW846 6020	10/23-10/26/07	7282361
	40.0	42.2	ug/L	106	1.7	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Cadmium	40.0	41.1	ug/L	103		SW846 6020	10/23-10/26/07	7282361
	40.0	40.4	ug/L	101	1.6	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Chromium	40.0	45.0	ug/L	113		SW846 6020	10/23-10/26/07	7282361
	40.0	44.2	ug/L	111	1.8	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Cobalt	40.0	44.1	ug/L	110		SW846 6020	10/23-10/26/07	7282361
	40.0	43.0	ug/L	108	2.4	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Copper	40.0	42.0	ug/L	105		SW846 6020	10/23-10/26/07	7282361
	40.0	41.1	ug/L	103	2.1	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Lead	40.0	42.1	ug/L	105		SW846 6020	10/23-10/26/07	7282361
	40.0	41.8	ug/L	104	0.83	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Manganese	40.0	45.2	ug/L	113		SW846 6020	10/23-10/26/07	7282361
	40.0	44.4	ug/L	111	1.7	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Molybdenum	40.0	42.6	ug/L	107		SW846 6020	10/23-10/26/07	7282361
	40.0	41.2	ug/L	103	3.5	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Nickel	40.0	42.6	ug/L	106		SW846 6020	10/23-10/26/07	7282361
	40.0	41.5	ug/L	104	2.5	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Selenium	40.0	39.8	ug/L	99		SW846 6020	10/23-10/26/07	7282361
	40.0	38.9	ug/L	97	2.2	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Silver	40.0	41.4	ug/L	103		SW846 6020	10/23-10/26/07	7282361
	40.0	40.4	ug/L	101	2.3	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Thallium	40.0	43.8	ug/L	109		SW846 6020	10/23-10/26/07	7282361
	40.0	43.1	ug/L	108	1.5	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Zinc	40.0	43.4	ug/L	108		SW846 6020	10/23-10/26/07	7282361
	40.0	43.5	ug/L	109	0.29	SW846 6020	10/23-10/26/07	7282361
			Dilution Factor: 1			Analysis Time..: 06:57		
Aluminum	2000	1800	ug/L	90		SW846 6010B	10/23-10/24/07	7282375
	2000	1890	ug/L	95	5.1	SW846 6010B	10/23-10/24/07	7282375
			Dilution Factor: 1			Analysis Time..: 04:48		
Beryllium	50.0	49.1	ug/L	98		SW846 6010B	10/23-10/24/07	7282375
	50.0	50.8	ug/L	102	3.4	SW846 6010B	10/23-10/24/07	7282375
			Dilution Factor: 1			Analysis Time..: 04:48		
Calcium	50000	51000	ug/L	102		SW846 6010B	10/23-10/24/07	7282375
	50000	52400	ug/L	105	2.7	SW846 6010B	10/23-10/24/07	7282375
			Dilution Factor: 1			Analysis Time..: 04:48		
Iron	1000	1010	ug/L	101		SW846 6010B	10/23-10/24/07	7282375
	1000	1040	ug/L	104	3.0	SW846 6010B	10/23-10/24/07	7282375
			Dilution Factor: 1			Analysis Time..: 04:48		
Magnesium	50000	49700	ug/L	99		SW846 6010B	10/23-10/24/07	7282375
	50000	51100	ug/L	102	2.9	SW846 6010B	10/23-10/24/07	7282375
			Dilution Factor: 1			Analysis Time..: 04:48		
Potassium	50000	51100	ug/L	102		SW846 6010B	10/23-10/24/07	7282375
	50000	53400	ug/L	107	4.6	SW846 6010B	10/23-10/24/07	7282375
			Dilution Factor: 1			Analysis Time..: 04:48		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sodium	50000	52100	ug/L	104		SW846 6010B	10/23-10/24/07	7282375
	50000	54100	ug/L	108	3.8	SW846 6010B	10/23-10/24/07	7282375
			Dilution Factor: 1			Analysis Time..: 04:48		
Vanadium	500	497	ug/L	99		SW846 6010B	10/23-10/24/07	7282375
	500	513	ug/L	103	3.3	SW846 6010B	10/23-10/24/07	7282375
			Dilution Factor: 1			Analysis Time..: 04:48		
Mercury	5.00	4.88	ug/L	98		SW846 7470A	10/22-10/23/07	7289215
	5.00	4.94	ug/L	99	1.2	SW846 7470A	10/22-10/23/07	7289215
			Dilution Factor: 1			Analysis Time..: 17:21		
Mercury	5.00	4.68	ug/L	94		SW846 7470A	10/22-10/23/07	7289216
	5.00	4.89	ug/L	98	4.5	SW846 7470A	10/22-10/23/07	7289216
			Dilution Factor: 1			Analysis Time..: 18:09		
Mercury	5.00	4.73	ug/L	95		SW846 7470A	10/22-10/23/07	7289218
	5.00	4.63	ug/L	93	2.0	SW846 7470A	10/22-10/23/07	7289218
			Dilution Factor: 1			Analysis Time..: 18:59		
Antimony	40.0	43.7	ug/L	109		SW846 6020	10/23-11/08/07	7290371
	40.0	42.4	ug/L	106	3.0	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Arsenic	40.0	41.7	ug/L	104		SW846 6020	10/23-11/08/07	7290371
	40.0	40.6	ug/L	102	2.7	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Barium	40.0	44.2	ug/L	110		SW846 6020	10/23-11/08/07	7290371
	40.0	43.9	ug/L	110	0.52	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Cadmium	40.0	43.2	ug/L	108		SW846 6020	10/23-11/08/07	7290371
	40.0	42.4	ug/L	106	1.8	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Chromium	40.0	44.4	ug/L	111		SW846 6020	10/23-11/08/07	7290371
	40.0	47.2	ug/L	118	6.2	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cobalt	40.0	44.4	ug/L	111		SW846 6020	10/23-11/08/07	7290371
	40.0	45.2	ug/L	113	1.8	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Copper	40.0	44.7	ug/L	112		SW846 6020	10/23-11/08/07	7290371
	40.0	44.9	ug/L	112	0.46	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Lead	40.0	43.1	ug/L	108		SW846 6020	10/23-11/08/07	7290371
	40.0	43.4	ug/L	108	0.53	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Manganese	40.0	44.4	ug/L	111		SW846 6020	10/23-11/08/07	7290371
	40.0	45.9	ug/L	115	3.3	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Molybdenum	40.0	43.6	ug/L	109		SW846 6020	10/23-11/08/07	7290371
	40.0	43.9	ug/L	110	0.86	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Nickel	40.0	42.4	ug/L	106		SW846 6020	10/23-11/08/07	7290371
	40.0	43.4	ug/L	109	2.3	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Selenium	40.0	41.9	ug/L	105		SW846 6020	10/23-11/08/07	7290371
	40.0	40.4	ug/L	101	3.6	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Silver	40.0	44.0	ug/L	110		SW846 6020	10/23-11/08/07	7290371
	40.0	44.7	ug/L	112	1.4	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Thallium	40.0	44.5	ug/L	111		SW846 6020	10/23-11/08/07	7290371
	40.0	44.5	ug/L	111	0.02	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		
Zinc	40.0	45.7	ug/L	114		SW846 6020	10/23-11/08/07	7290371
	40.0	43.8	ug/L	109	4.3	SW846 6020	10/23-11/09/07	7290371
			Dilution Factor: 1			Analysis Time..: 23:55		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Aluminum	2000	1820	ug/L	91		SW846 6010B	10/23-10/24/07	7290444
	2000	1860	ug/L	93	2.5	SW846 6010B	10/23-10/24/07	7290444
			Dilution Factor: 1			Analysis Time..: 03:47		
Beryllium	50.0	49.5	ug/L	99		SW846 6010B	10/23-10/24/07	7290444
	50.0	51.0	ug/L	102	3.1	SW846 6010B	10/23-10/24/07	7290444
			Dilution Factor: 1			Analysis Time..: 03:47		
Calcium	50000	51200	ug/L	102		SW846 6010B	10/23-10/24/07	7290444
	50000	52800	ug/L	106	3.2	SW846 6010B	10/23-10/24/07	7290444
			Dilution Factor: 1			Analysis Time..: 03:47		
Iron	1000	1010	ug/L	101		SW846 6010B	10/23-10/24/07	7290444
	1000	1050	ug/L	105	4.0	SW846 6010B	10/23-10/24/07	7290444
			Dilution Factor: 1			Analysis Time..: 03:47		
Magnesium	50000	50000	ug/L	100		SW846 6010B	10/23-10/24/07	7290444
	50000	51500	ug/L	103	2.9	SW846 6010B	10/23-10/24/07	7290444
			Dilution Factor: 1			Analysis Time..: 03:47		
Potassium	50000	51500	ug/L	103		SW846 6010B	10/23-10/24/07	7290444
	50000	53300	ug/L	107	3.5	SW846 6010B	10/23-10/24/07	7290444
			Dilution Factor: 1			Analysis Time..: 03:47		
Sodium	50000	52500	ug/L	105		SW846 6010B	10/23-10/24/07	7290444
	50000	54100	ug/L	108	2.9	SW846 6010B	10/23-10/24/07	7290444
			Dilution Factor: 1			Analysis Time..: 03:47		
Vanadium	500	497	ug/L	99		SW846 6010B	10/23-10/24/07	7290444
	500	513	ug/L	103	3.1	SW846 6010B	10/23-10/24/07	7290444
			Dilution Factor: 1			Analysis Time..: 03:47		
Mercury	5.00	4.84	ug/L	97		SW846 7470A	10/30/07	7292394
	5.00	4.82	ug/L	96	0.53	SW846 7470A	10/30/07	7292394
			Dilution Factor: 1			Analysis Time..: 22:30		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J040166-001 **Prep Batch #...:** 7278246							
Antimony	98	(80 - 117)			SW846 6020	10/23-10/26/07	J78NV1CP
	100	(80 - 117)	2.5	(0-30)	SW846 6020	10/23-10/26/07	J78NV1CQ
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Arsenic	106	(79 - 120)			SW846 6020	10/23-10/26/07	J78NV1CW
	109	(79 - 120)	2.5	(0-30)	SW846 6020	10/23-10/26/07	J78NV1CX
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Barium	108	(83 - 118)			SW846 6020	10/23-10/26/07	J78NV1C0
	113	(83 - 118)	2.7	(0-30)	SW846 6020	10/23-10/26/07	J78NV1C1
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Cadmium	97	(82 - 115)			SW846 6020	10/23-10/26/07	J78NV1C4
	100	(82 - 115)	3.3	(0-30)	SW846 6020	10/23-10/26/07	J78NV1C5
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Chromium	116	(80 - 124)			SW846 6020	10/23-10/26/07	J78NV1C6
	119	(80 - 124)	2.9	(0-30)	SW846 6020	10/23-10/26/07	J78NV1C7
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Cobalt	113	(83 - 119)			SW846 6020	10/23-10/26/07	J78NV1CF
	114	(83 - 119)	0.68	(0-30)	SW846 6020	10/23-10/26/07	J78NV1CG
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Copper	99	(82 - 114)			SW846 6020	10/23-10/26/07	J78NV1CH
	102	(82 - 114)	2.2	(0-30)	SW846 6020	10/23-10/26/07	J78NV1CJ
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Lead	96	(79 - 119)			SW846 6020	10/23-10/26/07	J78NV1DA
	98	(79 - 119)	2.0	(0-30)	SW846 6020	10/23-10/26/07	J78NV1DC
		Dilution Factor: 1					
		Analysis Time..: 01:08					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	114	(57 - 149)			SW846 6020	10/23-10/26/07	J78NV1CK
	118	(57 - 149)	2.9	(0-35)	SW846 6020	10/23-10/26/07	J78NV1CL
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Molybdenum	111	(87 - 120)			SW846 6020	10/23-10/26/07	J78NV1C8
	113	(87 - 120)	1.8	(0-30)	SW846 6020	10/23-10/26/07	J78NV1C9
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Nickel	106	(76 - 119)			SW846 6020	10/23-10/26/07	J78NV1CM
	108	(76 - 119)	2.2	(0-30)	SW846 6020	10/23-10/26/07	J78NV1CN
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Selenium	102	(64 - 134)			SW846 6020	10/23-10/26/07	J78NV1DD
	105	(64 - 134)	1.8	(0-35)	SW846 6020	10/23-10/26/07	J78NV1DE
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Silver	99	(20 - 120)			SW846 6020	10/23-10/26/07	J78NV1C2
	102	(20 - 120)	2.5	(0-40)	SW846 6020	10/23-10/26/07	J78NV1C3
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Thallium	99	(77 - 124)			SW846 6020	10/23-10/26/07	J78NV1CR
	104	(77 - 124)	5.0	(0-30)	SW846 6020	10/23-10/26/07	J78NV1CT
		Dilution Factor: 1					
		Analysis Time..: 01:08					
Zinc	95	(72 - 120)			SW846 6020	10/23-10/26/07	J78NV1CU
	97	(72 - 120)	2.6	(0-30)	SW846 6020	10/23-10/26/07	J78NV1CV
		Dilution Factor: 1					
		Analysis Time..: 01:08					

MS Lot-Sample #: D7J040166-001 **Prep Batch #...:** 7278272

Aluminum	89	(83 - 119)			SW846 6010B	10/23-10/24/07	J78NV1DF
	93	(83 - 119)	3.5	(0-25)	SW846 6010B	10/23-10/24/07	J78NV1DG
		Dilution Factor: 1					
		Analysis Time..: 07:42					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	100	(79 - 121)			SW846 6010B	10/23-10/24/07	J78NV1DK
	103	(79 - 121)	3.0	(0-25)	SW846 6010B	10/23-10/24/07	J78NV1DL
		Dilution Factor: 1					
		Analysis Time..: 07:42					
Calcium	92	(48 - 153)			SW846 6010B	10/23-10/24/07	J78NV1DM
	101	(48 - 153)	3.0	(0-25)	SW846 6010B	10/23-10/24/07	J78NV1DN
		Dilution Factor: 1					
		Analysis Time..: 07:42					
Iron	102	(52 - 155)			SW846 6010B	10/23-10/24/07	J78NV1DH
	105	(52 - 155)	2.8	(0-25)	SW846 6010B	10/23-10/24/07	J78NV1DJ
		Dilution Factor: 1					
		Analysis Time..: 07:42					
Magnesium	98	(62 - 146)			SW846 6010B	10/23-10/24/07	J78NV1DR
	102	(62 - 146)	3.2	(0-25)	SW846 6010B	10/23-10/24/07	J78NV1DT
		Dilution Factor: 1					
		Analysis Time..: 07:42					
Potassium	105	(76 - 132)			SW846 6010B	10/23-10/24/07	J78NV1DP
	109	(76 - 132)	3.5	(0-25)	SW846 6010B	10/23-10/24/07	J78NV1DQ
		Dilution Factor: 1					
		Analysis Time..: 07:42					
Sodium	100	(70 - 203)			SW846 6010B	10/23-10/24/07	J78NV1DU
	106	(70 - 203)	2.8	(0-40)	SW846 6010B	10/23-10/24/07	J78NV1DV
		Dilution Factor: 1					
		Analysis Time..: 07:42					
Vanadium	100	(85 - 120)			SW846 6010B	10/23-10/24/07	J78NV1DW
	104	(85 - 120)	3.6	(0-25)	SW846 6010B	10/23-10/24/07	J78NV1DX
		Dilution Factor: 1					
		Analysis Time..: 07:42					

MS Lot-Sample #: D7J040166-001 **Prep Batch #...:** 7289215

Mercury	96	(88 - 111)			SW846 7470A	10/22-10/23/07	J78NV1D3
	100	(88 - 111)	4.6	(0-10)	SW846 7470A	10/22-10/23/07	J78NV1D4
		Dilution Factor: 1					
		Analysis Time..: 17:26					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J040166-001 **Prep Batch #...:** 7278246									
Antimony									
	ND	40.0	39.2	ug/L	98		SW846 6020	10/23-10/26/07	J78NV1CP
	ND	40.0	40.2	ug/L	100	2.5	SW846 6020	10/23-10/26/07	J78NV1CQ
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Arsenic									
	0.47	40.0	42.8	ug/L	106		SW846 6020	10/23-10/26/07	J78NV1CW
	0.47	40.0	43.9	ug/L	109	2.5	SW846 6020	10/23-10/26/07	J78NV1CX
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Barium									
	30	40.0	72.8	ug/L	108		SW846 6020	10/23-10/26/07	J78NV1C0
	30	40.0	74.8	ug/L	113	2.7	SW846 6020	10/23-10/26/07	J78NV1C1
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Cadmium									
	ND	40.0	38.9	ug/L	97		SW846 6020	10/23-10/26/07	J78NV1C4
	ND	40.0	40.2	ug/L	100	3.3	SW846 6020	10/23-10/26/07	J78NV1C5
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Chromium									
	ND	40.0	46.7	ug/L	116		SW846 6020	10/23-10/26/07	J78NV1C6
	ND	40.0	48.0	ug/L	119	2.9	SW846 6020	10/23-10/26/07	J78NV1C7
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Cobalt									
	0.14	40.0	45.4	ug/L	113		SW846 6020	10/23-10/26/07	J78NV1CF
	0.14	40.0	45.7	ug/L	114	0.68	SW846 6020	10/23-10/26/07	J78NV1CG
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Copper									
	ND	40.0	39.9	ug/L	99		SW846 6020	10/23-10/26/07	J78NV1CH
	ND	40.0	40.7	ug/L	102	2.2	SW846 6020	10/23-10/26/07	J78NV1CJ
			Dilution Factor: 1						
			Analysis Time..: 01:08						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead									
	ND	40.0	38.5	ug/L	96		SW846 6020	10/23-10/26/07	J78NV1DA
	ND	40.0	39.3	ug/L	98	2.0	SW846 6020	10/23-10/26/07	J78NV1DC
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Manganese									
	ND	40.0	45.9	ug/L	114		SW846 6020	10/23-10/26/07	J78NV1CK
	ND	40.0	47.3	ug/L	118	2.9	SW846 6020	10/23-10/26/07	J78NV1CL
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Molybdenum									
	4.8	40.0	49.1	ug/L	111		SW846 6020	10/23-10/26/07	J78NV1C8
	4.8	40.0	50.0	ug/L	113	1.8	SW846 6020	10/23-10/26/07	J78NV1C9
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Nickel									
	1.0	40.0	43.3	ug/L	106		SW846 6020	10/23-10/26/07	J78NV1CM
	1.0	40.0	44.2	ug/L	108	2.2	SW846 6020	10/23-10/26/07	J78NV1CN
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Selenium									
	4.2	40.0	45.2	ug/L	102		SW846 6020	10/23-10/26/07	J78NV1DD
	4.2	40.0	46.0	ug/L	105	1.8	SW846 6020	10/23-10/26/07	J78NV1DE
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Silver									
	ND	40.0	39.8	ug/L	99		SW846 6020	10/23-10/26/07	J78NV1C2
	ND	40.0	40.7	ug/L	102	2.5	SW846 6020	10/23-10/26/07	J78NV1C3
			Dilution Factor: 1						
			Analysis Time..: 01:08						
Thallium									
	ND	40.0	39.8	ug/L	99		SW846 6020	10/23-10/26/07	J78NV1CR
	ND	40.0	41.8	ug/L	104	5.0	SW846 6020	10/23-10/26/07	J78NV1CT
			Dilution Factor: 1						
			Analysis Time..: 01:08						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	3.0	40.0	40.8	ug/L	95		SW846 6020	10/23-10/26/07	J78NV1CU
	3.0	40.0	41.9	ug/L	97	2.6	SW846 6020	10/23-10/26/07	J78NV1CV
			Dilution Factor: 1						
			Analysis Time..: 01:08						

MS Lot-Sample #: D7J040166-001 **Prep Batch #...:** 7278272

Aluminum									
	ND	2000	1790	ug/L	89		SW846 6010B	10/23-10/24/07	J78NV1DF
	ND	2000	1860	ug/L	93	3.5	SW846 6010B	10/23-10/24/07	J78NV1DG
			Dilution Factor: 1						
			Analysis Time..: 07:42						
Beryllium									
	ND	50.0	50.0	ug/L	100		SW846 6010B	10/23-10/24/07	J78NV1DK
	ND	50.0	51.5	ug/L	103	3.0	SW846 6010B	10/23-10/24/07	J78NV1DL
			Dilution Factor: 1						
			Analysis Time..: 07:42						
Calcium									
	90000	50000	137000	ug/L	92		SW846 6010B	10/23-10/24/07	J78NV1DM
	90000	50000	141000	ug/L	101	3.0	SW846 6010B	10/23-10/24/07	J78NV1DN
			Dilution Factor: 1						
			Analysis Time..: 07:42						
Iron									
	ND	1000	1030	ug/L	102		SW846 6010B	10/23-10/24/07	J78NV1DH
	ND	1000	1060	ug/L	105	2.8	SW846 6010B	10/23-10/24/07	J78NV1DJ
			Dilution Factor: 1						
			Analysis Time..: 07:42						
Magnesium									
	15000	50000	63800	ug/L	98		SW846 6010B	10/23-10/24/07	J78NV1DR
	15000	50000	65900	ug/L	102	3.2	SW846 6010B	10/23-10/24/07	J78NV1DT
			Dilution Factor: 1						
			Analysis Time..: 07:42						
Potassium									
	2000	50000	54300	ug/L	105		SW846 6010B	10/23-10/24/07	J78NV1DP
	2000	50000	56300	ug/L	109	3.5	SW846 6010B	10/23-10/24/07	J78NV1DQ
			Dilution Factor: 1						
			Analysis Time..: 07:42						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium									
	56000	50000	106000	ug/L	100		SW846 6010B	10/23-10/24/07	J78NV1DU
	56000	50000	109000	ug/L	106	2.8	SW846 6010B	10/23-10/24/07	J78NV1DV
			Dilution Factor: 1						
			Analysis Time..: 07:42						
Vanadium									
	3.4	500	504	ug/L	100		SW846 6010B	10/23-10/24/07	J78NV1DW
	3.4	500	522	ug/L	104	3.6	SW846 6010B	10/23-10/24/07	J78NV1DX
			Dilution Factor: 1						
			Analysis Time..: 07:42						

MS Lot-Sample #: D7J040166-001 **Prep Batch #...:** 7289215

Mercury									
	ND	5.00	4.78	ug/L	96		SW846 7470A	10/22-10/23/07	J78NV1D3
	ND	5.00	5.01	ug/L	100	4.6	SW846 7470A	10/22-10/23/07	J78NV1D4
			Dilution Factor: 1						
			Analysis Time..: 17:26						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J040166-014 **Prep Batch #...:** 7278247							
Antimony	100	(80 - 117)			SW846 6020	10/23-10/26/07	J78PT1C2
	100	(80 - 117)	0.47	(0-30)	SW846 6020	10/23-10/26/07	J78PT1C3
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Arsenic	107	(79 - 120)			SW846 6020	10/23-10/26/07	J78PT1C8
	104	(79 - 120)	2.6	(0-30)	SW846 6020	10/23-10/26/07	J78PT1C9
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Barium	109	(83 - 118)			SW846 6020	10/23-10/26/07	J78PT1DA
	106	(83 - 118)	1.6	(0-30)	SW846 6020	10/23-10/26/07	J78PT1DC
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Cadmium	101	(82 - 115)			SW846 6020	10/23-10/26/07	J78PT1CF
	99	(82 - 115)	1.6	(0-30)	SW846 6020	10/23-10/26/07	J78PT1CG
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Chromium	118	(80 - 124)			SW846 6020	10/23-10/26/07	J78PT1CH
	116	(80 - 124)	2.0	(0-30)	SW846 6020	10/23-10/26/07	J78PT1CJ
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Cobalt	114	(83 - 119)			SW846 6020	10/23-10/26/07	J78PT1CR
	111	(83 - 119)	3.2	(0-30)	SW846 6020	10/23-10/26/07	J78PT1CT
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Copper	100	(82 - 114)			SW846 6020	10/23-10/26/07	J78PT1CU
	99	(82 - 114)	1.4	(0-30)	SW846 6020	10/23-10/26/07	J78PT1CV
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Lead	98	(79 - 119)			SW846 6020	10/23-10/26/07	J78PT1CM
	95	(79 - 119)	2.3	(0-30)	SW846 6020	10/23-10/26/07	J78PT1CN
		Dilution Factor: 1					
		Analysis Time..: 03:04					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	117	(57 - 149)			SW846 6020	10/23-10/26/07	J78PT1CW
	115	(57 - 149)	1.2	(0-35)	SW846 6020	10/23-10/26/07	J78PT1CX
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Molybdenum	112	(87 - 120)			SW846 6020	10/23-10/26/07	J78PT1CK
	112	(87 - 120)	0.26	(0-30)	SW846 6020	10/23-10/26/07	J78PT1CL
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Nickel	107	(76 - 119)			SW846 6020	10/23-10/26/07	J78PT1C0
	104	(76 - 119)	2.6	(0-30)	SW846 6020	10/23-10/26/07	J78PT1C1
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Selenium	103	(64 - 134)			SW846 6020	10/23-10/26/07	J78PT1CP
	102	(64 - 134)	0.85	(0-35)	SW846 6020	10/23-10/26/07	J78PT1CQ
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Silver	103	(20 - 120)			SW846 6020	10/23-10/26/07	J78PT1DD
	100	(20 - 120)	2.5	(0-40)	SW846 6020	10/23-10/26/07	J78PT1DE
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Thallium	105	(77 - 124)			SW846 6020	10/23-10/26/07	J78PT1C4
	102	(77 - 124)	2.3	(0-30)	SW846 6020	10/23-10/26/07	J78PT1C5
		Dilution Factor: 1					
		Analysis Time..: 03:04					
Zinc	106	(72 - 120)			SW846 6020	10/23-10/26/07	J78PT1C6
	101	(72 - 120)	5.0	(0-30)	SW846 6020	10/23-10/26/07	J78PT1C7
		Dilution Factor: 1					
		Analysis Time..: 03:04					

MS Lot-Sample #: D7J040166-014 **Prep Batch #...:** 7278273

Aluminum	87	(83 - 119)			SW846 6010B	10/23-10/24/07	J78PT1DF
	93	(83 - 119)	7.3	(0-25)	SW846 6010B	10/23-10/24/07	J78PT1DG
		Dilution Factor: 1					
		Analysis Time..: 09:51					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	94	(79 - 121)			SW846 6010B	10/23-10/24/07	J78PT1DK
	100	(79 - 121)	6.8	(0-25)	SW846 6010B	10/23-10/24/07	J78PT1DL
		Dilution Factor: 1					
		Analysis Time..: 09:51					
Calcium	95	(48 - 153)			SW846 6010B	10/23-10/24/07	J78PT1DM
	100	(48 - 153)	1.7	(0-25)	SW846 6010B	10/23-10/24/07	J78PT1DN
		Dilution Factor: 1					
		Analysis Time..: 09:51					
Iron	76	(52 - 155)			SW846 6010B	10/23-10/24/07	J78PT1DH
	81	(52 - 155)	5.2	(0-25)	SW846 6010B	10/23-10/24/07	J78PT1DJ
		Dilution Factor: 1					
		Analysis Time..: 09:51					
Magnesium	93	(62 - 146)			SW846 6010B	10/23-10/24/07	J78PT1DR
	99	(62 - 146)	5.0	(0-25)	SW846 6010B	10/23-10/24/07	J78PT1DT
		Dilution Factor: 1					
		Analysis Time..: 09:51					
Potassium	98	(76 - 132)			SW846 6010B	10/23-10/24/07	J78PT1DP
	105	(76 - 132)	6.5	(0-25)	SW846 6010B	10/23-10/24/07	J78PT1DQ
		Dilution Factor: 1					
		Analysis Time..: 09:51					
Sodium	99	(70 - 203)			SW846 6010B	10/23-10/24/07	J78PT1DU
	105	(70 - 203)	2.7	(0-40)	SW846 6010B	10/23-10/24/07	J78PT1DV
		Dilution Factor: 1					
		Analysis Time..: 09:51					
Vanadium	95	(85 - 120)			SW846 6010B	10/23-10/24/07	J78PT1DW
	102	(85 - 120)	6.4	(0-25)	SW846 6010B	10/23-10/24/07	J78PT1DX
		Dilution Factor: 1					
		Analysis Time..: 09:51					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J040166-014 **Prep Batch #...:** 7278247									
Antimony									
	ND	40.0	39.8	ug/L	100		SW846 6020	10/23-10/26/07	J78PT1C2
	ND	40.0	40.0	ug/L	100	0.47	SW846 6020	10/23-10/26/07	J78PT1C3
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Arsenic									
	0.28	40.0	43.1	ug/L	107		SW846 6020	10/23-10/26/07	J78PT1C8
	0.28	40.0	42.0	ug/L	104	2.6	SW846 6020	10/23-10/26/07	J78PT1C9
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Barium									
	35	40.0	78.6	ug/L	109		SW846 6020	10/23-10/26/07	J78PT1DA
	35	40.0	77.3	ug/L	106	1.6	SW846 6020	10/23-10/26/07	J78PT1DC
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Cadmium									
	ND	40.0	40.4	ug/L	101		SW846 6020	10/23-10/26/07	J78PT1CF
	ND	40.0	39.7	ug/L	99	1.6	SW846 6020	10/23-10/26/07	J78PT1CG
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Chromium									
	0.55	40.0	47.9	ug/L	118		SW846 6020	10/23-10/26/07	J78PT1CH
	0.55	40.0	47.0	ug/L	116	2.0	SW846 6020	10/23-10/26/07	J78PT1CJ
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Cobalt									
	0.13	40.0	45.8	ug/L	114		SW846 6020	10/23-10/26/07	J78PT1CR
	0.13	40.0	44.4	ug/L	111	3.2	SW846 6020	10/23-10/26/07	J78PT1CT
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Copper									
	ND	40.0	40.5	ug/L	100		SW846 6020	10/23-10/26/07	J78PT1CU
	ND	40.0	39.9	ug/L	99	1.4	SW846 6020	10/23-10/26/07	J78PT1CV
			Dilution Factor: 1						
			Analysis Time..: 03:04						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07

Matrix.....: WATER

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead									
	ND	40.0	39.0	ug/L	98		SW846 6020	10/23-10/26/07	J78PT1CM
	ND	40.0	38.1	ug/L	95	2.3	SW846 6020	10/23-10/26/07	J78PT1CN
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Manganese									
	ND	40.0	46.9	ug/L	117		SW846 6020	10/23-10/26/07	J78PT1CW
	ND	40.0	46.4	ug/L	115	1.2	SW846 6020	10/23-10/26/07	J78PT1CX
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Molybdenum									
	3.7	40.0	48.6	ug/L	112		SW846 6020	10/23-10/26/07	J78PT1CK
	3.7	40.0	48.4	ug/L	112	0.26	SW846 6020	10/23-10/26/07	J78PT1CL
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Nickel									
	1.1	40.0	43.7	ug/L	107		SW846 6020	10/23-10/26/07	J78PT1C0
	1.1	40.0	42.6	ug/L	104	2.6	SW846 6020	10/23-10/26/07	J78PT1C1
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Selenium									
	3.5	40.0	44.7	ug/L	103		SW846 6020	10/23-10/26/07	J78PT1CP
	3.5	40.0	44.3	ug/L	102	0.85	SW846 6020	10/23-10/26/07	J78PT1CQ
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Silver									
	ND	40.0	41.1	ug/L	103		SW846 6020	10/23-10/26/07	J78PT1DD
	ND	40.0	40.1	ug/L	100	2.5	SW846 6020	10/23-10/26/07	J78PT1DE
			Dilution Factor: 1						
			Analysis Time..: 03:04						
Thallium									
	ND	40.0	41.8	ug/L	105		SW846 6020	10/23-10/26/07	J78PT1C4
	ND	40.0	40.8	ug/L	102	2.3	SW846 6020	10/23-10/26/07	J78PT1C5
			Dilution Factor: 1						
			Analysis Time..: 03:04						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	3.1	40.0	45.5	ug/L	106		SW846 6020	10/23-10/26/07	J78PT1C6
	3.1	40.0	43.3	ug/L	101	5.0	SW846 6020	10/23-10/26/07	J78PT1C7
			Dilution Factor: 1						
			Analysis Time..: 03:04						

MS Lot-Sample #: D7J040166-014 **Prep Batch #...:** 7278273

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Aluminum									
	44	2000	1780	ug/L	87		SW846 6010B	10/23-10/24/07	J78PT1DF
	44	2000	1910	ug/L	93	7.3	SW846 6010B	10/23-10/24/07	J78PT1DG
			Dilution Factor: 1						
			Analysis Time..: 09:51						
Beryllium									
	ND	50.0	46.8	ug/L	94		SW846 6010B	10/23-10/24/07	J78PT1DK
	ND	50.0	50.1	ug/L	100	6.8	SW846 6010B	10/23-10/24/07	J78PT1DL
			Dilution Factor: 1						
			Analysis Time..: 09:51						
Calcium									
	92000	50000	139000	ug/L	95		SW846 6010B	10/23-10/24/07	J78PT1DM
	92000	50000	142000	ug/L	100	1.7	SW846 6010B	10/23-10/24/07	J78PT1DN
			Dilution Factor: 1						
			Analysis Time..: 09:51						
Iron									
	180	1000	942	ug/L	76		SW846 6010B	10/23-10/24/07	J78PT1DH
	180	1000	992	ug/L	81	5.2	SW846 6010B	10/23-10/24/07	J78PT1DJ
			Dilution Factor: 1						
			Analysis Time..: 09:51						
Magnesium									
	14000	50000	60400	ug/L	93		SW846 6010B	10/23-10/24/07	J78PT1DR
	14000	50000	63500	ug/L	99	5.0	SW846 6010B	10/23-10/24/07	J78PT1DT
			Dilution Factor: 1						
			Analysis Time..: 09:51						
Potassium									
	1800	50000	50800	ug/L	98		SW846 6010B	10/23-10/24/07	J78PT1DP
	1800	50000	54200	ug/L	105	6.5	SW846 6010B	10/23-10/24/07	J78PT1DQ
			Dilution Factor: 1						
			Analysis Time..: 09:51						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/02/07 13:55 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium									
	59000	50000	108000	ug/L	99		SW846 6010B	10/23-10/24/07	J78PT1DU
	59000	50000	111000	ug/L	105	2.7	SW846 6010B	10/23-10/24/07	J78PT1DV
			Dilution Factor: 1						
			Analysis Time..: 09:51						
Vanadium									
	3.3	500	480	ug/L	95		SW846 6010B	10/23-10/24/07	J78PT1DW
	3.3	500	512	ug/L	102	6.4	SW846 6010B	10/23-10/24/07	J78PT1DX
			Dilution Factor: 1						
			Analysis Time..: 09:51						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J040166-027 **Prep Batch #...:** 7278248							
Antimony	98	(80 - 117)			SW846 6020	10/23-10/26/07	J78QH1C2
	102	(80 - 117)	3.2	(0-30)	SW846 6020	10/23-10/26/07	J78QH1C3
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Arsenic	98	(79 - 120)			SW846 6020	10/23-10/26/07	J78QH1C8
	106	(79 - 120)	7.8	(0-30)	SW846 6020	10/23-10/26/07	J78QH1C9
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Barium	97	(83 - 118)			SW846 6020	10/23-10/26/07	J78QH1DA
	108	(83 - 118)	5.7	(0-30)	SW846 6020	10/23-10/26/07	J78QH1DC
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Cadmium	95	(82 - 115)			SW846 6020	10/23-10/26/07	J78QH1CF
	103	(82 - 115)	7.8	(0-30)	SW846 6020	10/23-10/26/07	J78QH1CG
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Chromium	102	(80 - 124)			SW846 6020	10/23-10/26/07	J78QH1CH
	111	(80 - 124)	8.3	(0-30)	SW846 6020	10/23-10/26/07	J78QH1CJ
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Cobalt	101	(83 - 119)			SW846 6020	10/23-10/26/07	J78QH1CR
	108	(83 - 119)	6.5	(0-30)	SW846 6020	10/23-10/26/07	J78QH1CT
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Copper	93	(82 - 114)			SW846 6020	10/23-10/26/07	J78QH1CU
	100	(82 - 114)	7.7	(0-30)	SW846 6020	10/23-10/26/07	J78QH1CV
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Lead	92	(79 - 119)			SW846 6020	10/23-10/26/07	J78QH1CM
	100	(79 - 119)	8.2	(0-30)	SW846 6020	10/23-10/26/07	J78QH1CN
		Dilution Factor: 1					
		Analysis Time..: 05:25					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	104	(57 - 149)			SW846 6020	10/23-10/26/07	J78QH1CW
	112	(57 - 149)	7.3	(0-35)	SW846 6020	10/23-10/26/07	J78QH1CX
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Molybdenum	105	(87 - 120)			SW846 6020	10/23-10/26/07	J78QH1CK
	109	(87 - 120)	2.9	(0-30)	SW846 6020	10/23-10/26/07	J78QH1CL
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Nickel	95	(76 - 119)			SW846 6020	10/23-10/26/07	J78QH1C0
	101	(76 - 119)	6.5	(0-30)	SW846 6020	10/23-10/26/07	J78QH1C1
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Selenium	97	(64 - 134)			SW846 6020	10/23-10/26/07	J78QH1CP
	105	(64 - 134)	7.6	(0-35)	SW846 6020	10/23-10/26/07	J78QH1CQ
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Silver	93	(20 - 120)			SW846 6020	10/23-10/26/07	J78QH1DD
	99	(20 - 120)	6.5	(0-40)	SW846 6020	10/23-10/26/07	J78QH1DE
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Thallium	96	(77 - 124)			SW846 6020	10/23-10/26/07	J78QH1C4
	103	(77 - 124)	7.4	(0-30)	SW846 6020	10/23-10/26/07	J78QH1C5
		Dilution Factor: 1					
		Analysis Time..: 05:25					
Zinc	94	(72 - 120)			SW846 6020	10/23-10/26/07	J78QH1C6
	103	(72 - 120)	8.2	(0-30)	SW846 6020	10/23-10/26/07	J78QH1C7
		Dilution Factor: 1					
		Analysis Time..: 05:25					

MS Lot-Sample #: D7J040166-027 **Prep Batch #...:** 7278274

Aluminum	91	(83 - 119)			SW846 6010B	10/23-10/24/07	J78QH1DF
	98	(83 - 119)	6.9	(0-25)	SW846 6010B	10/23-10/24/07	J78QH1DG
		Dilution Factor: 1					
		Analysis Time..: 17:16					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	94	(79 - 121)			SW846 6010B	10/23-10/24/07	J78QH1DK
	102	(79 - 121)	7.5	(0-25)	SW846 6010B	10/23-10/24/07	J78QH1DL
		Dilution Factor: 1					
		Analysis Time..: 17:16					
Calcium	92	(48 - 153)			SW846 6010B	10/23-10/24/07	J78QH1DM
	106	(48 - 153)	5.2	(0-25)	SW846 6010B	10/23-10/24/07	J78QH1DN
		Dilution Factor: 1					
		Analysis Time..: 17:16					
Iron	94	(52 - 155)			SW846 6010B	10/23-10/24/07	J78QH1DH
	105	(52 - 155)	11	(0-25)	SW846 6010B	10/23-10/24/07	J78QH1DJ
		Dilution Factor: 1					
		Analysis Time..: 17:16					
Magnesium	93	(62 - 146)			SW846 6010B	10/23-10/24/07	J78QH1DR
	102	(62 - 146)	6.1	(0-25)	SW846 6010B	10/23-10/24/07	J78QH1DT
		Dilution Factor: 1					
		Analysis Time..: 17:16					
Potassium	96	(76 - 132)			SW846 6010B	10/23-10/24/07	J78QH1DP
	104	(76 - 132)	8.2	(0-25)	SW846 6010B	10/23-10/24/07	J78QH1DQ
		Dilution Factor: 1					
		Analysis Time..: 17:16					
Sodium	94	(70 - 203)			SW846 6010B	10/23-10/24/07	J78QH1DU
	108	(70 - 203)	6.3	(0-40)	SW846 6010B	10/23-10/24/07	J78QH1DV
		Dilution Factor: 1					
		Analysis Time..: 17:16					
Vanadium	95	(85 - 120)			SW846 6010B	10/23-10/24/07	J78QH1DW
	102	(85 - 120)	7.3	(0-25)	SW846 6010B	10/23-10/24/07	J78QH1DX
		Dilution Factor: 1					
		Analysis Time..: 17:16					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07
Matrix.....: WATER

MS Lot-Sample #: D7J040166-027 **Prep Batch #...:** 7278248

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	ND	40.0	39.4	ug/L	98		SW846 6020	10/23-10/26/07	J78QH1C2
	ND	40.0	40.7	ug/L	102	3.2	SW846 6020	10/23-10/26/07	J78QH1C3
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Arsenic									
	ND	40.0	39.2	ug/L	98		SW846 6020	10/23-10/26/07	J78QH1C8
	ND	40.0	42.5	ug/L	106	7.8	SW846 6020	10/23-10/26/07	J78QH1C9
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Barium									
	33	40.0	71.9	ug/L	97		SW846 6020	10/23-10/26/07	J78QH1DA
	33	40.0	76.1	ug/L	108	5.7	SW846 6020	10/23-10/26/07	J78QH1DC
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Cadmium									
	ND	40.0	38.2	ug/L	95		SW846 6020	10/23-10/26/07	J78QH1CF
	ND	40.0	41.3	ug/L	103	7.8	SW846 6020	10/23-10/26/07	J78QH1CG
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Chromium									
	0.65	40.0	41.6	ug/L	102		SW846 6020	10/23-10/26/07	J78QH1CH
	0.65	40.0	45.2	ug/L	111	8.3	SW846 6020	10/23-10/26/07	J78QH1CJ
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Cobalt									
	0.25	40.0	40.5	ug/L	101		SW846 6020	10/23-10/26/07	J78QH1CR
	0.25	40.0	43.3	ug/L	108	6.5	SW846 6020	10/23-10/26/07	J78QH1CT
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Copper									
	ND	40.0	37.5	ug/L	93		SW846 6020	10/23-10/26/07	J78QH1CU
	ND	40.0	40.5	ug/L	100	7.7	SW846 6020	10/23-10/26/07	J78QH1CV
			Dilution Factor: 1						
			Analysis Time..: 05:25						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead									
	ND	40.0	37.1	ug/L	92		SW846 6020	10/23-10/26/07	J78QH1CM
	ND	40.0	40.3	ug/L	100	8.2	SW846 6020	10/23-10/26/07	J78QH1CN
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Manganese									
	ND	40.0	42.0	ug/L	104		SW846 6020	10/23-10/26/07	J78QH1CW
	ND	40.0	45.1	ug/L	112	7.3	SW846 6020	10/23-10/26/07	J78QH1CX
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Molybdenum									
	15	40.0	56.6	ug/L	105		SW846 6020	10/23-10/26/07	J78QH1CK
	15	40.0	58.3	ug/L	109	2.9	SW846 6020	10/23-10/26/07	J78QH1CL
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Nickel									
	1.2	40.0	39.1	ug/L	95		SW846 6020	10/23-10/26/07	J78QH1C0
	1.2	40.0	41.8	ug/L	101	6.5	SW846 6020	10/23-10/26/07	J78QH1C1
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Selenium									
	2.0	40.0	40.8	ug/L	97		SW846 6020	10/23-10/26/07	J78QH1CP
	2.0	40.0	44.1	ug/L	105	7.6	SW846 6020	10/23-10/26/07	J78QH1CQ
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Silver									
	ND	40.0	37.1	ug/L	93		SW846 6020	10/23-10/26/07	J78QH1DD
	ND	40.0	39.6	ug/L	99	6.5	SW846 6020	10/23-10/26/07	J78QH1DE
			Dilution Factor: 1						
			Analysis Time..: 05:25						
Thallium									
	ND	40.0	38.4	ug/L	96		SW846 6020	10/23-10/26/07	J78QH1C4
	ND	40.0	41.3	ug/L	103	7.4	SW846 6020	10/23-10/26/07	J78QH1C5
			Dilution Factor: 1						
			Analysis Time..: 05:25						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	2.9	40.0	40.7	ug/L	94		SW846 6020	10/23-10/26/07	J78QH1C6
	2.9	40.0	44.2	ug/L	103	8.2	SW846 6020	10/23-10/26/07	J78QH1C7
			Dilution Factor: 1						
			Analysis Time..: 05:25						

MS Lot-Sample #: D7J040166-027 **Prep Batch #...:** 7278274

Aluminum									
	ND	2000	1830	ug/L	91		SW846 6010B	10/23-10/24/07	J78QH1DF
	ND	2000	1960	ug/L	98	6.9	SW846 6010B	10/23-10/24/07	J78QH1DG
			Dilution Factor: 1						
			Analysis Time..: 17:16						
Beryllium									
	ND	50.0	47.2	ug/L	94		SW846 6010B	10/23-10/24/07	J78QH1DK
	ND	50.0	50.9	ug/L	102	7.5	SW846 6010B	10/23-10/24/07	J78QH1DL
			Dilution Factor: 1						
			Analysis Time..: 17:16						
Calcium									
	86000	50000	132000	ug/L	92		SW846 6010B	10/23-10/24/07	J78QH1DM
	86000	50000	139000	ug/L	106	5.2	SW846 6010B	10/23-10/24/07	J78QH1DN
			Dilution Factor: 1						
			Analysis Time..: 17:16						
Iron									
	ND	1000	947	ug/L	94		SW846 6010B	10/23-10/24/07	J78QH1DH
	ND	1000	1060	ug/L	105	11	SW846 6010B	10/23-10/24/07	J78QH1DJ
			Dilution Factor: 1						
			Analysis Time..: 17:16						
Magnesium									
	23000	50000	69800	ug/L	93		SW846 6010B	10/23-10/24/07	J78QH1DR
	23000	50000	74200	ug/L	102	6.1	SW846 6010B	10/23-10/24/07	J78QH1DT
			Dilution Factor: 1						
			Analysis Time..: 17:16						
Potassium									
	1000	50000	48900	ug/L	96		SW846 6010B	10/23-10/24/07	J78QH1DP
	1000	50000	53100	ug/L	104	8.2	SW846 6010B	10/23-10/24/07	J78QH1DQ
			Dilution Factor: 1						
			Analysis Time..: 17:16						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/01/07 16:35 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium									
	58000	50000	105000	ug/L	94		SW846 6010B	10/23-10/24/07	J78QH1DU
	58000	50000	112000	ug/L	108	6.3	SW846 6010B	10/23-10/24/07	J78QH1DV
			Dilution Factor: 1						
			Analysis Time..: 17:16						
Vanadium									
	ND	500	478	ug/L	95		SW846 6010B	10/23-10/24/07	J78QH1DW
	ND	500	515	ug/L	102	7.3	SW846 6010B	10/23-10/24/07	J78QH1DX
			Dilution Factor: 1						
			Analysis Time..: 17:16						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J050164-004 **Prep Batch #...:** 7282361							
Antimony	99	(80 - 117)			SW846 6020	10/23-10/26/07	J8CC01CP
	105	(80 - 117)	5.1	(0-30)	SW846 6020	10/23-10/26/07	J8CC01CQ
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Arsenic	102	(79 - 120)			SW846 6020	10/23-10/26/07	J8CC01CW
	106	(79 - 120)	4.2	(0-30)	SW846 6020	10/23-10/26/07	J8CC01CX
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Barium	98	(83 - 118)			SW846 6020	10/23-10/26/07	J8CC01C0
	109	(83 - 118)	5.0	(0-30)	SW846 6020	10/23-10/26/07	J8CC01C1
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Cadmium	100	(82 - 115)			SW846 6020	10/23-10/26/07	J8CC01C4
	106	(82 - 115)	5.6	(0-30)	SW846 6020	10/23-10/26/07	J8CC01C5
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Chromium	104	(80 - 124)			SW846 6020	10/23-10/26/07	J8CC01C6
	110	(80 - 124)	5.9	(0-30)	SW846 6020	10/23-10/26/07	J8CC01C7
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Cobalt	102	(83 - 119)			SW846 6020	10/23-10/26/07	J8CC01CF
	106	(83 - 119)	4.0	(0-30)	SW846 6020	10/23-10/26/07	J8CC01CG
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Copper	93	(82 - 114)			SW846 6020	10/23-10/26/07	J8CC01CH
	99	(82 - 114)	5.2	(0-30)	SW846 6020	10/23-10/26/07	J8CC01CJ
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Lead	98	(79 - 119)			SW846 6020	10/23-10/26/07	J8CC01DA
	103	(79 - 119)	5.1	(0-30)	SW846 6020	10/23-10/26/07	J8CC01DC
		Dilution Factor: 1					
		Analysis Time..: 19:27					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	NC,MSB	(57 - 149)			SW846 6020	10/23-10/26/07	J8CC01CK
	NC,MSB	(57 - 149)		(0-35)	SW846 6020	10/23-10/26/07	J8CC01CL
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Molybdenum	105	(87 - 120)			SW846 6020	10/23-10/26/07	J8CC01C8
	112	(87 - 120)	5.1	(0-30)	SW846 6020	10/23-10/26/07	J8CC01C9
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Nickel	97	(76 - 119)			SW846 6020	10/23-10/26/07	J8CC01CM
	101	(76 - 119)	4.2	(0-30)	SW846 6020	10/23-10/26/07	J8CC01CN
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Selenium	100	(64 - 134)			SW846 6020	10/23-10/26/07	J8CC01DD
	107	(64 - 134)	6.5	(0-35)	SW846 6020	10/23-10/26/07	J8CC01DE
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Silver	98	(20 - 120)			SW846 6020	10/23-10/26/07	J8CC01C2
	104	(20 - 120)	6.2	(0-40)	SW846 6020	10/23-10/26/07	J8CC01C3
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Thallium	101	(77 - 124)			SW846 6020	10/23-10/26/07	J8CC01CR
	108	(77 - 124)	7.1	(0-30)	SW846 6020	10/23-10/26/07	J8CC01CT
		Dilution Factor: 1					
		Analysis Time..: 19:27					
Zinc	94	(72 - 120)			SW846 6020	10/23-10/26/07	J8CC01CU
	100	(72 - 120)	4.5	(0-30)	SW846 6020	10/23-10/26/07	J8CC01CV
		Dilution Factor: 1					
		Analysis Time..: 19:27					

MS Lot-Sample #: D7J050164-004 **Prep Batch #...:** 7282375

Aluminum	93	(83 - 119)			SW846 6010B	10/23-10/24/07	J8CC01DR
	90	(83 - 119)	3.3	(0-25)	SW846 6010B	10/23-10/24/07	J8CC01DT
		Dilution Factor: 1					
		Analysis Time..: 05:08					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	104	(79 - 121)			SW846 6010B	10/23-10/24/07	J8CC01DW
	100	(79 - 121)	4.0	(0-25)	SW846 6010B	10/23-10/24/07	J8CC01DX
		Dilution Factor: 1					
		Analysis Time..: 05:08					
Calcium	101	(48 - 153)			SW846 6010B	10/23-10/24/07	J8CC01D0
	96	(48 - 153)	1.7	(0-25)	SW846 6010B	10/23-10/24/07	J8CC01D1
		Dilution Factor: 1					
		Analysis Time..: 05:08					
Iron	NC,MSB	(52 - 155)			SW846 6010B	10/23-10/24/07	J8CC01DU
	NC,MSB	(52 - 155)		(0-25)	SW846 6010B	10/23-10/24/07	J8CC01DV
		Dilution Factor: 1					
		Analysis Time..: 05:08					
Magnesium	103	(62 - 146)			SW846 6010B	10/23-10/24/07	J8CC01D4
	98	(62 - 146)	3.7	(0-25)	SW846 6010B	10/23-10/24/07	J8CC01D5
		Dilution Factor: 1					
		Analysis Time..: 05:08					
Potassium	108	(76 - 132)			SW846 6010B	10/23-10/24/07	J8CC01D2
	104	(76 - 132)	3.5	(0-25)	SW846 6010B	10/23-10/24/07	J8CC01D3
		Dilution Factor: 1					
		Analysis Time..: 05:08					
Sodium	107	(70 - 203)			SW846 6010B	10/23-10/24/07	J8CC01D6
	101	(70 - 203)	2.6	(0-40)	SW846 6010B	10/23-10/24/07	J8CC01D7
		Dilution Factor: 1					
		Analysis Time..: 05:08					
Vanadium	104	(85 - 120)			SW846 6010B	10/23-10/24/07	J8CC01D8
	100	(85 - 120)	4.1	(0-25)	SW846 6010B	10/23-10/24/07	J8CC01D9
		Dilution Factor: 1					
		Analysis Time..: 05:08					

MS Lot-Sample #: D7J050164-004 **Prep Batch #...:** 7289218

Mercury	93	(88 - 111)			SW846 7470A	10/22-10/23/07	J8CC01DF
	92	(88 - 111)	1.1	(0-10)	SW846 7470A	10/22-10/23/07	J8CC01DG
		Dilution Factor: 1					
		Analysis Time..: 19:09					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J050164-004 **Prep Batch #...:** 7282361									
Antimony									
	ND	40.0	39.8	ug/L	99		SW846 6020	10/23-10/26/07	J8CC01CP
	ND	40.0	41.9	ug/L	105	5.1	SW846 6020	10/23-10/26/07	J8CC01CQ
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Arsenic									
	0.34	40.0	41.1	ug/L	102		SW846 6020	10/23-10/26/07	J8CC01CW
	0.34	40.0	42.8	ug/L	106	4.2	SW846 6020	10/23-10/26/07	J8CC01CX
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Barium									
	52	40.0	90.7	ug/L	98		SW846 6020	10/23-10/26/07	J8CC01C0
	52	40.0	95.3	ug/L	109	5.0	SW846 6020	10/23-10/26/07	J8CC01C1
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Cadmium									
	ND	40.0	40.2	ug/L	100		SW846 6020	10/23-10/26/07	J8CC01C4
	ND	40.0	42.5	ug/L	106	5.6	SW846 6020	10/23-10/26/07	J8CC01C5
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Chromium									
	0.62	40.0	42.1	ug/L	104		SW846 6020	10/23-10/26/07	J8CC01C6
	0.62	40.0	44.6	ug/L	110	5.9	SW846 6020	10/23-10/26/07	J8CC01C7
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Cobalt									
	0.22	40.0	41.0	ug/L	102		SW846 6020	10/23-10/26/07	J8CC01CF
	0.22	40.0	42.7	ug/L	106	4.0	SW846 6020	10/23-10/26/07	J8CC01CG
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Copper									
	0.94	40.0	38.3	ug/L	93		SW846 6020	10/23-10/26/07	J8CC01CH
	0.94	40.0	40.4	ug/L	99	5.2	SW846 6020	10/23-10/26/07	J8CC01CJ
			Dilution Factor: 1						
			Analysis Time..: 19:27						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07
Matrix.....: WATER

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead									
	0.94	40.0	40.1	ug/L	98		SW846 6020	10/23-10/26/07	J8CC01DA
	0.94	40.0	42.2	ug/L	103	5.1	SW846 6020	10/23-10/26/07	J8CC01DC
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Manganese									
	570	40.0	606	ug/L			SW846 6020	10/23-10/26/07	J8CC01CK
			Qualifiers: NC,MSB						
	570	40.0	629	ug/L			SW846 6020	10/23-10/26/07	J8CC01CL
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Molybdenum									
	9.5	40.0	51.6	ug/L	105		SW846 6020	10/23-10/26/07	J8CC01C8
	9.5	40.0	54.2	ug/L	112	5.1	SW846 6020	10/23-10/26/07	J8CC01C9
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Nickel									
	1.1	40.0	39.8	ug/L	97		SW846 6020	10/23-10/26/07	J8CC01CM
	1.1	40.0	41.5	ug/L	101	4.2	SW846 6020	10/23-10/26/07	J8CC01CN
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Selenium									
	ND	40.0	40.7	ug/L	100		SW846 6020	10/23-10/26/07	J8CC01DD
	ND	40.0	43.5	ug/L	107	6.5	SW846 6020	10/23-10/26/07	J8CC01DE
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Silver									
	ND	40.0	39.1	ug/L	98		SW846 6020	10/23-10/26/07	J8CC01C2
	ND	40.0	41.6	ug/L	104	6.2	SW846 6020	10/23-10/26/07	J8CC01C3
			Dilution Factor: 1						
			Analysis Time..: 19:27						
Thallium									
	ND	40.0	40.3	ug/L	101		SW846 6020	10/23-10/26/07	J8CC01CR
	ND	40.0	43.3	ug/L	108	7.1	SW846 6020	10/23-10/26/07	J8CC01CT
			Dilution Factor: 1						
			Analysis Time..: 19:27						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	18	40.0	55.2	ug/L	94		SW846 6020	10/23-10/26/07	J8CC01CU
	18	40.0	57.8	ug/L	100	4.5	SW846 6020	10/23-10/26/07	J8CC01CV
			Dilution Factor: 1						
			Analysis Time..: 19:27						

MS Lot-Sample #: D7J050164-004 **Prep Batch #...:** 7282375

Aluminum									
	33	2000	1900	ug/L	93		SW846 6010B	10/23-10/24/07	J8CC01DR
	33	2000	1840	ug/L	90	3.3	SW846 6010B	10/23-10/24/07	J8CC01DT
			Dilution Factor: 1						
			Analysis Time..: 05:08						
Beryllium									
	ND	50.0	52.0	ug/L	104		SW846 6010B	10/23-10/24/07	J8CC01DW
	ND	50.0	49.9	ug/L	100	4.0	SW846 6010B	10/23-10/24/07	J8CC01DX
			Dilution Factor: 1						
			Analysis Time..: 05:08						
Calcium									
	100000	50000	151000	ug/L	101		SW846 6010B	10/23-10/24/07	J8CC01D0
	100000	50000	148000	ug/L	96	1.7	SW846 6010B	10/23-10/24/07	J8CC01D1
			Dilution Factor: 1						
			Analysis Time..: 05:08						
Iron									
	7000	1000	8030	ug/L			SW846 6010B	10/23-10/24/07	J8CC01DU
			Qualifiers: NC,MSB						
	7000	1000	7720	ug/L			SW846 6010B	10/23-10/24/07	J8CC01DV
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 05:08						
Magnesium									
	18000	50000	69800	ug/L	103		SW846 6010B	10/23-10/24/07	J8CC01D4
	18000	50000	67200	ug/L	98	3.7	SW846 6010B	10/23-10/24/07	J8CC01D5
			Dilution Factor: 1						
			Analysis Time..: 05:08						
Potassium									
	2000	50000	56100	ug/L	108		SW846 6010B	10/23-10/24/07	J8CC01D2
	2000	50000	54100	ug/L	104	3.5	SW846 6010B	10/23-10/24/07	J8CC01D3
			Dilution Factor: 1						
			Analysis Time..: 05:08						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/04/07 14:05 **Date Received..:** 10/05/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium									
	60000	50000	114000	ug/L	107		SW846 6010B	10/23-10/24/07	J8CC01D6
	60000	50000	111000	ug/L	101	2.6	SW846 6010B	10/23-10/24/07	J8CC01D7
			Dilution Factor: 1						
			Analysis Time..: 05:08						
Vanadium									
	ND	500	522	ug/L	104		SW846 6010B	10/23-10/24/07	J8CC01D8
	ND	500	501	ug/L	100	4.1	SW846 6010B	10/23-10/24/07	J8CC01D9
			Dilution Factor: 1						
			Analysis Time..: 05:08						

MS Lot-Sample #: D7J050164-004 **Prep Batch #...:** 7289218

Mercury									
	ND	5.00	4.63	ug/L	93		SW846 7470A	10/22-10/23/07	J8CC01DF
	ND	5.00	4.58	ug/L	92	1.1	SW846 7470A	10/22-10/23/07	J8CC01DG
			Dilution Factor: 1						
			Analysis Time..: 19:09						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:15 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J040166-021 **Prep Batch #...:** 7289216							
Mercury	96	(88 - 111)			SW846 7470A	10/22-10/23/07	J78P71CH
	94	(88 - 111)	1.8	(0-10)	SW846 7470A	10/22-10/23/07	J78P71CJ

Dilution Factor: 1
Analysis Time..: 18:14

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 11:15 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J040166-021 **Prep Batch #...:** 7289216									
Mercury									
	0.045	5.00	4.82	ug/L	96		SW846 7470A	10/22-10/23/07	J78P71CH
	0.045	5.00	4.73	ug/L	94	1.8	SW846 7470A	10/22-10/23/07	J78P71CJ

Dilution Factor: 1
Analysis Time..: 18:14

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D7J130200-001 **Prep Batch #...:** 7290371							
Antimony	110	(80 - 117)			SW846 6020	10/23-11/09/07	J8X5T1CP
	109	(80 - 117)	1.7	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1CQ
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Arsenic	104	(79 - 120)			SW846 6020	10/23-11/09/07	J8X5T1CW
	103	(79 - 120)	1.3	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1CX
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Barium	109	(83 - 118)			SW846 6020	10/23-11/09/07	J8X5T1C0
	112	(83 - 118)	1.7	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1C1
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Cadmium	106	(82 - 115)			SW846 6020	10/23-11/09/07	J8X5T1C4
	105	(82 - 115)	0.82	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1C5
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Chromium	110	(80 - 124)			SW846 6020	10/23-11/09/07	J8X5T1C6
	108	(80 - 124)	1.8	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1C7
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Cobalt	106	(83 - 119)			SW846 6020	10/23-11/09/07	J8X5T1CF
	107	(83 - 119)	0.66	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1CG
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Copper	102	(82 - 114)			SW846 6020	10/23-11/09/07	J8X5T1CH
	101	(82 - 114)	0.60	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1CJ
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Lead	101	(79 - 119)			SW846 6020	10/23-11/09/07	J8X5T1DA
	101	(79 - 119)	0.89	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1DC
		Dilution Factor: 1					
		Analysis Time..: 00:29					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	98	(57 - 149)			SW846 6020	10/23-11/09/07	J8X5T1CK
	100	(57 - 149)	0.43	(0-35)	SW846 6020	10/23-11/09/07	J8X5T1CL
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Molybdenum	113	(87 - 120)			SW846 6020	10/23-11/09/07	J8X5T1C8
	111	(87 - 120)	1.6	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1C9
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Nickel	100	(76 - 119)			SW846 6020	10/23-11/09/07	J8X5T1CM
	100	(76 - 119)	0.02	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1CN
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Selenium	102	(64 - 134)			SW846 6020	10/23-11/09/07	J8X5T1DD
	101	(64 - 134)	1.4	(0-35)	SW846 6020	10/23-11/09/07	J8X5T1DE
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Silver	105	(20 - 120)			SW846 6020	10/23-11/09/07	J8X5T1C2
	104	(20 - 120)	1.4	(0-40)	SW846 6020	10/23-11/09/07	J8X5T1C3
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Thallium	106	(77 - 124)			SW846 6020	10/23-11/09/07	J8X5T1CR
	105	(77 - 124)	0.78	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1CT
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Zinc	101	(72 - 120)			SW846 6020	10/23-11/09/07	J8X5T1CU
	102	(72 - 120)	0.83	(0-30)	SW846 6020	10/23-11/09/07	J8X5T1CV
		Dilution Factor: 1					
		Analysis Time..: 00:29					

MS Lot-Sample #: D7J130200-001 **Prep Batch #...:** 7290444

Aluminum	122 N	(83 - 119)			SW846 6010B	10/23-10/24/07	J8X5T1DF
	121 N	(83 - 119)	0.67	(0-25)	SW846 6010B	10/23-10/24/07	J8X5T1DG
		Dilution Factor: 1					
		Analysis Time..: 04:07					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	100	(79 - 121)			SW846 6010B	10/23-10/24/07	J8X5T1DK
	100	(79 - 121)	0.26	(0-25)	SW846 6010B	10/23-10/24/07	J8X5T1DL
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Calcium	99	(48 - 153)			SW846 6010B	10/23-10/24/07	J8X5T1DM
	101	(48 - 153)	0.46	(0-25)	SW846 6010B	10/23-10/24/07	J8X5T1DN
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Iron	122	(52 - 155)			SW846 6010B	10/23-10/24/07	J8X5T1DH
	92	(52 - 155)	6.5	(0-25)	SW846 6010B	10/23-10/24/07	J8X5T1DJ
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Magnesium	99	(62 - 146)			SW846 6010B	10/23-10/24/07	J8X5T1DR
	100	(62 - 146)	0.27	(0-25)	SW846 6010B	10/23-10/24/07	J8X5T1DT
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Potassium	105	(76 - 132)			SW846 6010B	10/23-10/24/07	J8X5T1DP
	106	(76 - 132)	0.78	(0-25)	SW846 6010B	10/23-10/24/07	J8X5T1DQ
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Sodium	105	(70 - 203)			SW846 6010B	10/23-10/24/07	J8X5T1DU
	107	(70 - 203)	1.2	(0-40)	SW846 6010B	10/23-10/24/07	J8X5T1DV
		Dilution Factor: 1					
		Analysis Time..: 04:07					
Vanadium	101	(85 - 120)			SW846 6010B	10/23-10/24/07	J8X5T1DW
	101	(85 - 120)	0.10	(0-25)	SW846 6010B	10/23-10/24/07	J8X5T1DX
		Dilution Factor: 1					
		Analysis Time..: 04:07					

MS Lot-Sample #: D7J130200-001 **Prep Batch #...:** 7292394

Mercury	98	(88 - 111)			SW846 7470A	10/30/07	J8X5T1D0
	97	(88 - 111)	1.6	(0-10)	SW846 7470A	10/30/07	J8X5T1D1
		Dilution Factor: 1					
		Analysis Time..: 22:45					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

MS Lot-Sample #: D7J130200-001 **Prep Batch #...:** 7290371

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	0.074	40.0	44.2	ug/L	110		SW846 6020	10/23-11/09/07	J8X5T1CP
	0.074	40.0	43.5	ug/L	109	1.7	SW846 6020	10/23-11/09/07	J8X5T1CQ
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Arsenic									
	0.67	40.0	42.4	ug/L	104		SW846 6020	10/23-11/09/07	J8X5T1CW
	0.67	40.0	41.9	ug/L	103	1.3	SW846 6020	10/23-11/09/07	J8X5T1CX
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Barium									
	37	40.0	80.8	ug/L	109		SW846 6020	10/23-11/09/07	J8X5T1C0
	37	40.0	82.2	ug/L	112	1.7	SW846 6020	10/23-11/09/07	J8X5T1C1
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Cadmium									
	0.47	40.0	42.8	ug/L	106		SW846 6020	10/23-11/09/07	J8X5T1C4
	0.47	40.0	42.5	ug/L	105	0.82	SW846 6020	10/23-11/09/07	J8X5T1C5
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Chromium									
	6.4	40.0	50.6	ug/L	110		SW846 6020	10/23-11/09/07	J8X5T1C6
	6.4	40.0	49.6	ug/L	108	1.8	SW846 6020	10/23-11/09/07	J8X5T1C7
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Cobalt									
	0.75	40.0	43.2	ug/L	106		SW846 6020	10/23-11/09/07	J8X5T1CF
	0.75	40.0	43.5	ug/L	107	0.66	SW846 6020	10/23-11/09/07	J8X5T1CG
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Copper									
	2.4	40.0	43.2	ug/L	102		SW846 6020	10/23-11/09/07	J8X5T1CH
	2.4	40.0	42.9	ug/L	101	0.60	SW846 6020	10/23-11/09/07	J8X5T1CJ
			Dilution Factor: 1						
			Analysis Time..: 00:29						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead									
	0.82	40.0	41.4	ug/L	101		SW846 6020	10/23-11/09/07	J8X5T1DA
	0.82	40.0	41.0	ug/L	101	0.89	SW846 6020	10/23-11/09/07	J8X5T1DC
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Manganese									
	120	40.0	159	ug/L	98		SW846 6020	10/23-11/09/07	J8X5T1CK
	120	40.0	160	ug/L	100	0.43	SW846 6020	10/23-11/09/07	J8X5T1CL
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Molybdenum									
	3.6	40.0	48.9	ug/L	113		SW846 6020	10/23-11/09/07	J8X5T1C8
	3.6	40.0	48.1	ug/L	111	1.6	SW846 6020	10/23-11/09/07	J8X5T1C9
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Nickel									
	3.1	40.0	43.0	ug/L	100		SW846 6020	10/23-11/09/07	J8X5T1CM
	3.1	40.0	43.0	ug/L	100	0.02	SW846 6020	10/23-11/09/07	J8X5T1CN
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Selenium									
	3.5	40.0	44.4	ug/L	102		SW846 6020	10/23-11/09/07	J8X5T1DD
	3.5	40.0	43.7	ug/L	101	1.4	SW846 6020	10/23-11/09/07	J8X5T1DE
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Silver									
	ND	40.0	42.1	ug/L	105		SW846 6020	10/23-11/09/07	J8X5T1C2
	ND	40.0	41.5	ug/L	104	1.4	SW846 6020	10/23-11/09/07	J8X5T1C3
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Thallium									
	0.025	40.0	42.3	ug/L	106		SW846 6020	10/23-11/09/07	J8X5T1CR
	0.025	40.0	42.0	ug/L	105	0.78	SW846 6020	10/23-11/09/07	J8X5T1CT
			Dilution Factor: 1						
			Analysis Time..: 00:29						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	9.3	40.0	49.8	ug/L	101		SW846 6020	10/23-11/09/07	J8X5T1CU
	9.3	40.0	50.3	ug/L	102	0.83	SW846 6020	10/23-11/09/07	J8X5T1CV
			Dilution Factor: 1						
			Analysis Time..: 00:29						

MS Lot-Sample #: D7J130200-001 **Prep Batch #...:** 7290444

Aluminum									
	450	2000	2890 N	ug/L	122		SW846 6010B	10/23-10/24/07	J8X5T1DF
	450	2000	2870 N	ug/L	121	0.67	SW846 6010B	10/23-10/24/07	J8X5T1DG
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Beryllium									
	ND	50.0	49.9	ug/L	100		SW846 6010B	10/23-10/24/07	J8X5T1DK
	ND	50.0	50.1	ug/L	100	0.26	SW846 6010B	10/23-10/24/07	J8X5T1DL
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Calcium									
	94000	50000	144000	ug/L	99		SW846 6010B	10/23-10/24/07	J8X5T1DM
	94000	50000	145000	ug/L	101	0.46	SW846 6010B	10/23-10/24/07	J8X5T1DN
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Iron									
	3500	1000	4710	ug/L	122		SW846 6010B	10/23-10/24/07	J8X5T1DH
	3500	1000	4410	ug/L	92	6.5	SW846 6010B	10/23-10/24/07	J8X5T1DJ
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Magnesium									
	37000	50000	86500	ug/L	99		SW846 6010B	10/23-10/24/07	J8X5T1DR
	37000	50000	86700	ug/L	100	0.27	SW846 6010B	10/23-10/24/07	J8X5T1DT
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Potassium									
	1900	50000	54400	ug/L	105		SW846 6010B	10/23-10/24/07	J8X5T1DP
	1900	50000	54800	ug/L	106	0.78	SW846 6010B	10/23-10/24/07	J8X5T1DQ
			Dilution Factor: 1						
			Analysis Time..: 04:07						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/10/07 14:10 **Date Received..:** 10/13/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium									
	33000	50000	85700	ug/L	105		SW846 6010B	10/23-10/24/07	J8X5T1DU
	33000	50000	86700	ug/L	107	1.2	SW846 6010B	10/23-10/24/07	J8X5T1DV
			Dilution Factor: 1						
			Analysis Time..: 04:07						
Vanadium									
	5.0	500	510	ug/L	101		SW846 6010B	10/23-10/24/07	J8X5T1DW
	5.0	500	511	ug/L	101	0.10	SW846 6010B	10/23-10/24/07	J8X5T1DX
			Dilution Factor: 1						
			Analysis Time..: 04:07						

MS Lot-Sample #: D7J130200-001 **Prep Batch #...:** 7292394

Mercury									
	ND	5.00	4.93	ug/L	98		SW846 7470A	10/30/07	J8X5T1D0
	ND	5.00	4.85	ug/L	97	1.6	SW846 7470A	10/30/07	J8X5T1D1
			Dilution Factor: 1						
			Analysis Time..: 22:45						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide		Work Order #: J8J5T1AA		MB Lot-Sample #:	D7J050000-593	
	ND	0.20	mg/L	MCAWW 300.0A	10/04/07	7278593
		Dilution Factor: 1				
		Analysis Time..: 11:45				
Bromide		Work Order #: J8J591AA		MB Lot-Sample #:	D7J050000-598	
	ND	0.20	mg/L	MCAWW 300.0A	10/04/07	7278598
		Dilution Factor: 1				
		Analysis Time..: 21:46				
Bromide		Work Order #: J8J6L1AA		MB Lot-Sample #:	D7J050000-602	
	ND	0.20	mg/L	MCAWW 300.0A	10/04-10/05/07	7278602
		Dilution Factor: 1				
		Analysis Time..: 04:25				
Bromide		Work Order #: J8KKA1AA		MB Lot-Sample #:	D7J060000-100	
	ND	0.20	mg/L	MCAWW 300.0A	10/05/07	7279100
		Dilution Factor: 1				
		Analysis Time..: 10:21				
Bromide		Work Order #: J816Q1AA		MB Lot-Sample #:	D7J150000-457	
	ND	0.20	mg/L	MCAWW 300.0A	10/13/07	7288457
		Dilution Factor: 1				
		Analysis Time..: 10:36				
Chloride		Work Order #: J8J5P1AA		MB Lot-Sample #:	D7J050000-594	
	0.56 B	**3.0**	**mg/L**	**MCAWW 300.0A**	**10/04/07**	**7278594**
		Dilution Factor: 1				
		Analysis Time..: 11:45				
Chloride		Work Order #: J8J571AA		MB Lot-Sample #:	D7J050000-599	
	ND	3.0	mg/L	MCAWW 300.0A	10/04/07	7278599
		Dilution Factor: 1				
		Analysis Time..: 21:46				
Chloride		Work Order #: J8J6J1AA		MB Lot-Sample #:	D7J050000-603	
	ND	3.0	mg/L	MCAWW 300.0A	10/04-10/05/07	7278603
		Dilution Factor: 1				
		Analysis Time..: 04:25				
Chloride		Work Order #: J8KJ01AA		MB Lot-Sample #:	D7J060000-101	
	ND	3.0	mg/L	MCAWW 300.0A	10/05/07	7279101
		Dilution Factor: 1				
		Analysis Time..: 10:21				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #: J816K1AA		MB Lot-Sample #:	D7J150000-454	
	ND	3.0	mg/L	MCAWW 300.0A	10/13/07	7288454
		Dilution Factor: 1				
		Analysis Time..: 10:36				
Chloride		Work Order #: J9VLD1AA		MB Lot-Sample #:	D7J250000-553	
	ND	3.0	mg/L	MCAWW 300.0A	10/24/07	7298553
		Dilution Factor: 1				
		Analysis Time..: 15:10				
Fluoride		Work Order #: J8J5L1AA		MB Lot-Sample #:	D7J050000-595	
	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278595
		Dilution Factor: 1				
		Analysis Time..: 11:45				
Fluoride		Work Order #: J8J561AA		MB Lot-Sample #:	D7J050000-600	
	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278600
		Dilution Factor: 1				
		Analysis Time..: 21:46				
Fluoride		Work Order #: J8J6H1AA		MB Lot-Sample #:	D7J050000-604	
	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278604
		Dilution Factor: 1				
		Analysis Time..: 04:25				
Fluoride		Work Order #: J8KJT1AA		MB Lot-Sample #:	D7J060000-102	
	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279102
		Dilution Factor: 1				
		Analysis Time..: 10:21				
Fluoride		Work Order #: J816H1AA		MB Lot-Sample #:	D7J150000-460	
	ND	0.50	mg/L	MCAWW 300.0A	10/13/07	7288460
		Dilution Factor: 1				
		Analysis Time..: 10:36				
Nitrate-Nitrite		Work Order #: J9L4X1AA		MB Lot-Sample #:	D7J230000-364	
	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296364
		Dilution Factor: 1				
		Analysis Time..: 06:00				
Nitrate-Nitrite		Work Order #: J9L421AA		MB Lot-Sample #:	D7J230000-366	
	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296366
		Dilution Factor: 1				
		Analysis Time..: 06:00				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		Work Order #: J9L471AA		MB Lot-Sample #:	D7J230000-368	
	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296368
		Dilution Factor: 1				
		Analysis Time..: 06:00				
Nitrate-Nitrite		Work Order #: J9L5J1AA		MB Lot-Sample #:	D7J230000-371	
	ND	0.10	mg/L	MCAWW 353.2	10/22/07	7296371
		Dilution Factor: 1				
		Analysis Time..: 06:00				
Nitrate-Nitrite		Work Order #: J9XKM1AA		MB Lot-Sample #:	D7J260000-334	
	ND	0.10	mg/L	MCAWW 353.2	10/25/07	7299334
		Dilution Factor: 1				
		Analysis Time..: 10:02				
Nitrate-Nitrite		Work Order #: KAJDW1AA		MB Lot-Sample #:	D7K050000-245	
	ND	0.10	mg/L	MCAWW 353.2	11/01/07	7309245
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Phosphate as P, Ortho		Work Order #: J8J5X1AA		MB Lot-Sample #:	D7J050000-596	
	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278596
		Dilution Factor: 1				
		Analysis Time..: 11:45				
Phosphate as P, Ortho		Work Order #: J8J6C1AA		MB Lot-Sample #:	D7J050000-601	
	ND	0.50	mg/L	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1				
		Analysis Time..: 21:46				
Phosphate as P, Ortho		Work Order #: J8J6M1AA		MB Lot-Sample #:	D7J050000-605	
	ND	0.50	mg/L	MCAWW 300.0A	10/04-10/05/07	7278605
		Dilution Factor: 1				
		Analysis Time..: 04:25				
Phosphate as P, Ortho		Work Order #: J8KKL1AA		MB Lot-Sample #:	D7J060000-103	
	ND	0.50	mg/L	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1				
		Analysis Time..: 10:21				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phosphate as P, Ortho		Work Order #: J8F3A1AA		MB Lot-Sample #: D7J060000-121		
	ND	0.50	mg/L	MCAWW 300.0A	10/05-10/06/07	7279121
		Dilution Factor: 1				
		Analysis Time..: 08:38				
Phosphate as P, Ortho		Work Order #: J816W1AA		MB Lot-Sample #: D7J150000-459		
	ND	0.50	mg/L	MCAWW 300.0A	10/13/07	7288459
		Dilution Factor: 1				
		Analysis Time..: 10:36				
Sulfate		Work Order #: J8APE1AA		MB Lot-Sample #: D7J050000-122		
	ND	5.0	mg/L	MCAWW 300.0A	10/04/07	7278122
		Dilution Factor: 1				
		Analysis Time..: 12:52				
Sulfate		Work Order #: J8CWW1AA		MB Lot-Sample #: D7J050000-135		
	ND	5.0	mg/L	MCAWW 300.0A	10/04/07	7278135
		Dilution Factor: 1				
		Analysis Time..: 21:59				
Sulfate		Work Order #: J8J521AA		MB Lot-Sample #: D7J050000-597		
	ND	5.0	mg/L	MCAWW 300.0A	10/04/07	7278597
		Dilution Factor: 1				
		Analysis Time..: 11:45				
Sulfate		Work Order #: J8J6N1AA		MB Lot-Sample #: D7J050000-606		
	ND	5.0	mg/L	MCAWW 300.0A	10/05/07	7278606
		Dilution Factor: 1				
		Analysis Time..: 04:25				
Sulfate		Work Order #: J8KKN1AA		MB Lot-Sample #: D7J060000-099		
	0.45 B	**5.0**	**mg/L**	**MCAWW 300.0A**	**10/05/07**	**7279099**
		Dilution Factor: 1				
		Analysis Time..: 10:21				
Sulfate		Work Order #: J816X1AA		MB Lot-Sample #: D7J150000-455		
	ND	5.0	mg/L	MCAWW 300.0A	10/13/07	7288455
		Dilution Factor: 1				
		Analysis Time..: 10:36				
Sulfate		Work Order #: KACL61AA		MB Lot-Sample #: D7K010000-370		
	0.47 B	**5.0**	**mg/L**	**MCAWW 300.0A**	**10/31/07**	**7305370**
		Dilution Factor: 1				
		Analysis Time..: 11:51				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		Work Order #: J8E6F1AA		MB Lot-Sample #: D7J060000-141		
	1.5 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/07**	**7279141**
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Total Alkalinity		Work Order #: J8JN51AA		MB Lot-Sample #: D7J090000-447		
	1.5 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282447**
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Total Alkalinity		Work Order #: J8JPV1AA		MB Lot-Sample #: D7J090000-449		
	1.1 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/07**	**7282449**
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Total Alkalinity		Work Order #: J8MFT1AA		MB Lot-Sample #: D7J100000-437		
	1.2 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/09/07**	**7283437**
		Dilution Factor: 1				
		Analysis Time..: 18:00				
Total Alkalinity		Work Order #: J9CV81AA		MB Lot-Sample #: D7J180000-487		
	1.3 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/17/07**	**7291487**
		Dilution Factor: 1				
		Analysis Time..: 19:00				
Total Alkalinity		Work Order #: J9G981AA		MB Lot-Sample #: D7J200000-109		
	1.8 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/18/07**	**7293109**
		Dilution Factor: 1				
		Analysis Time..: 17:00				
Total Dissolved Solids		Work Order #: J8L771AA		MB Lot-Sample #: D7J080000-479		
	ND	10	mg/L	MCAWW 160.1	10/08/07	7281479
		Dilution Factor: 1				
		Analysis Time..: 18:20				
Total Dissolved Solids		Work Order #: J8L8M1AA		MB Lot-Sample #: D7J080000-482		
	ND	10	mg/L	MCAWW 160.1	10/08/07	7281482
		Dilution Factor: 1				
		Analysis Time..: 18:40				
Total Dissolved Solids		Work Order #: J8X2A1AA		MB Lot-Sample #: D7J090000-618		
	6.0 B	**10**	**mg/L**	**MCAWW 160.1**	**10/09/07**	**7282618**
		Dilution Factor: 1				
		Analysis Time..: 17:15				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: J8X2E1AA		MB Lot-Sample #: D7J090000-619		
	ND	10	mg/L	MCAWW 160.1	10/09/07	7282619
		Dilution Factor: 1				
		Analysis Time..: 17:40				
Total Dissolved Solids		Work Order #: J8X2G1AA		MB Lot-Sample #: D7J100000-631		
	ND	10	mg/L	MCAWW 160.1	10/10/07	7283631
		Dilution Factor: 1				
		Analysis Time..: 17:30				
Total Dissolved Solids		Work Order #: J8X2H1AA		MB Lot-Sample #: D7J100000-633		
	ND	10	mg/L	MCAWW 160.1	10/10/07	7283633
		Dilution Factor: 1				
		Analysis Time..: 18:15				
Total Dissolved Solids		Work Order #: J80G71AA		MB Lot-Sample #: D7J110000-602		
	ND	10	mg/L	MCAWW 160.1	10/11/07	7284602
		Dilution Factor: 1				
		Analysis Time..: 14:40				
Total Dissolved Solids		Work Order #: J9GNP1AA		MB Lot-Sample #: D7J160000-570		
	ND	10	mg/L	MCAWW 160.1	10/16/07	7289570
		Dilution Factor: 1				
		Analysis Time..: 14:10				
Total Dissolved Solids		Work Order #: J9P5V1AA		MB Lot-Sample #: D7J180000-637		
	ND	10	mg/L	MCAWW 160.1	10/18/07	7291637
		Dilution Factor: 1				
		Analysis Time..: 21:00				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide		WO#:J8J5T1AC-LCS/J8J5T1AD-LCSD LCS Lot-Sample#: D7J050000-593					
	97	(90 - 110)			MCAWW 300.0A	10/04/07	7278593
	97	(90 - 110)	0.14	(0-10)	MCAWW 300.0A	10/04/07	7278593
		Dilution Factor: 1			Analysis Time..: 11:12		
Bromide		WO#:J8J591AC-LCS/J8J591AD-LCSD LCS Lot-Sample#: D7J050000-598					
	98	(90 - 110)			MCAWW 300.0A	10/04/07	7278598
	97	(90 - 110)	0.80	(0-10)	MCAWW 300.0A	10/04/07	7278598
		Dilution Factor: 1			Analysis Time..: 21:13		
Bromide		WO#:J8J6L1AC-LCS/J8J6L1AD-LCSD LCS Lot-Sample#: D7J050000-602					
	97	(90 - 110)			MCAWW 300.0A	10/04-10/05/07	7278602
	97	(90 - 110)	0.05	(0-10)	MCAWW 300.0A	10/04-10/05/07	7278602
		Dilution Factor: 1			Analysis Time..: 03:51		
Bromide		WO#:J8KKA1AC-LCS/J8KKA1AD-LCSD LCS Lot-Sample#: D7J060000-100					
	99	(90 - 110)			MCAWW 300.0A	10/05/07	7279100
	100	(90 - 110)	1.0	(0-10)	MCAWW 300.0A	10/05/07	7279100
		Dilution Factor: 1			Analysis Time..: 09:49		
Bromide		WO#:J816Q1AC-LCS/J816Q1AD-LCSD LCS Lot-Sample#: D7J150000-457					
	101	(90 - 110)			MCAWW 300.0A	10/13/07	7288457
	101	(90 - 110)	0.34	(0-10)	MCAWW 300.0A	10/13/07	7288457
		Dilution Factor: 1			Analysis Time..: 10:04		
Chloride		WO#:J8J5P1AC-LCS/J8J5P1AD-LCSD LCS Lot-Sample#: D7J050000-594					
	93	(90 - 110)			MCAWW 300.0A	10/04/07	7278594
	93	(90 - 110)	0.26	(0-10)	MCAWW 300.0A	10/04/07	7278594
		Dilution Factor: 1			Analysis Time..: 11:12		
Chloride		WO#:J8J571AC-LCS/J8J571AD-LCSD LCS Lot-Sample#: D7J050000-599					
	94	(90 - 110)			MCAWW 300.0A	10/04/07	7278599
	93	(90 - 110)	0.46	(0-10)	MCAWW 300.0A	10/04/07	7278599
		Dilution Factor: 1			Analysis Time..: 21:13		
Chloride		WO#:J8J6J1AC-LCS/J8J6J1AD-LCSD LCS Lot-Sample#: D7J050000-603					
	94	(90 - 110)			MCAWW 300.0A	10/04-10/05/07	7278603
	93	(90 - 110)	0.36	(0-10)	MCAWW 300.0A	10/04-10/05/07	7278603
		Dilution Factor: 1			Analysis Time..: 03:51		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		WO#:J8KJ01AC-LCS/J8KJ01AD-LCSD LCS Lot-Sample#: D7J060000-101					
	100	(90 - 110)			MCAWW 300.0A	10/05/07	7279101
	102	(90 - 110)	1.6	(0-10)	MCAWW 300.0A	10/05/07	7279101
		Dilution Factor: 1			Analysis Time..: 09:49		
Chloride		WO#:J816K1AC-LCS/J816K1AD-LCSD LCS Lot-Sample#: D7J150000-454					
	103	(90 - 110)			MCAWW 300.0A	10/13/07	7288454
	103	(90 - 110)	0.14	(0-10)	MCAWW 300.0A	10/13/07	7288454
		Dilution Factor: 1			Analysis Time..: 10:04		
Chloride		WO#:J9VLD1AC-LCS/J9VLD1AD-LCSD LCS Lot-Sample#: D7J250000-553					
	101	(90 - 110)			MCAWW 300.0A	10/24/07	7298553
	101	(90 - 110)	0.19	(0-10)	MCAWW 300.0A	10/24/07	7298553
		Dilution Factor: 1			Analysis Time..: 14:35		
Fluoride		WO#:J8J5L1AC-LCS/J8J5L1AD-LCSD LCS Lot-Sample#: D7J050000-595					
	97	(90 - 110)			MCAWW 300.0A	10/04/07	7278595
	97	(90 - 110)	0.03	(0-10)	MCAWW 300.0A	10/04/07	7278595
		Dilution Factor: 1			Analysis Time..: 11:12		
Fluoride		WO#:J8J561AC-LCS/J8J561AD-LCSD LCS Lot-Sample#: D7J050000-600					
	97	(90 - 110)			MCAWW 300.0A	10/04/07	7278600
	97	(90 - 110)	0.26	(0-10)	MCAWW 300.0A	10/04/07	7278600
		Dilution Factor: 1			Analysis Time..: 21:13		
Fluoride		WO#:J8J6H1AC-LCS/J8J6H1AD-LCSD LCS Lot-Sample#: D7J050000-604					
	97	(90 - 110)			MCAWW 300.0A	10/04-10/05/07	7278604
	97	(90 - 110)	0.18	(0-10)	MCAWW 300.0A	10/04-10/05/07	7278604
		Dilution Factor: 1			Analysis Time..: 03:51		
Fluoride		WO#:J8KJT1AC-LCS/J8KJT1AD-LCSD LCS Lot-Sample#: D7J060000-102					
	102	(90 - 110)			MCAWW 300.0A	10/05/07	7279102
	103	(90 - 110)	1.0	(0-10)	MCAWW 300.0A	10/05/07	7279102
		Dilution Factor: 1			Analysis Time..: 09:49		
Fluoride		WO#:J816H1AC-LCS/J816H1AD-LCSD LCS Lot-Sample#: D7J150000-460					
	104	(90 - 110)			MCAWW 300.0A	10/13/07	7288460
	104	(90 - 110)	0.03	(0-10)	MCAWW 300.0A	10/13/07	7288460
		Dilution Factor: 1			Analysis Time..: 10:04		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		WO#:J9L4X1AC-LCS/J9L4X1AD-LCSD LCS Lot-Sample#: D7J230000-364					
	106	(90 - 112)			MCAWW 353.2	10/22/07	7296364
	107	(90 - 112)	1.1	(0-10)	MCAWW 353.2	10/22/07	7296364
		Dilution Factor: 1			Analysis Time..: 06:00		
Nitrate-Nitrite		WO#:J9L421AC-LCS/J9L421AD-LCSD LCS Lot-Sample#: D7J230000-366					
	105	(90 - 112)			MCAWW 353.2	10/22/07	7296366
	106	(90 - 112)	0.94	(0-10)	MCAWW 353.2	10/22/07	7296366
		Dilution Factor: 1			Analysis Time..: 06:00		
Nitrate-Nitrite		WO#:J9L471AC-LCS/J9L471AD-LCSD LCS Lot-Sample#: D7J230000-368					
	105	(90 - 112)			MCAWW 353.2	10/22/07	7296368
	108	(90 - 112)	2.4	(0-10)	MCAWW 353.2	10/22/07	7296368
		Dilution Factor: 1			Analysis Time..: 06:00		
Nitrate-Nitrite		WO#:J9L5J1AC-LCS/J9L5J1AD-LCSD LCS Lot-Sample#: D7J230000-371					
	107	(90 - 112)			MCAWW 353.2	10/22/07	7296371
	106	(90 - 112)	0.86	(0-10)	MCAWW 353.2	10/22/07	7296371
		Dilution Factor: 1			Analysis Time..: 06:00		
Nitrate-Nitrite		WO#:J9XKM1AC-LCS/J9XKM1AD-LCSD LCS Lot-Sample#: D7J260000-334					
	100	(90 - 112)			MCAWW 353.2	10/25/07	7299334
	102	(90 - 112)	1.7	(0-10)	MCAWW 353.2	10/25/07	7299334
		Dilution Factor: 1			Analysis Time..: 10:02		
Nitrate-Nitrite		WO#:KAJDW1AC-LCS/KAJDW1AD-LCSD LCS Lot-Sample#: D7K050000-245					
	107	(90 - 112)			MCAWW 353.2	11/01/07	7309245
	107	(90 - 112)	0.46	(0-10)	MCAWW 353.2	11/01/07	7309245
		Dilution Factor: 1			Analysis Time..: 09:00		
Phosphate as P, Ortho		WO#:J8F3A1AC-LCS/J8F3A1AD-LCSD LCS Lot-Sample#: D7J060000-121					
	94	(90 - 110)			MCAWW 300.0A	10/05-10/06/07	7279121
	93	(90 - 110)	0.53	(0-10)	MCAWW 300.0A	10/05-10/06/07	7279121
		Dilution Factor: 1			Analysis Time..: 08:05		
Phosphate as P, Ortho		WO#:J8J5X1AC-LCS/J8J5X1AD-LCSD LCS Lot-Sample#: D7J050000-596					
	93	(90 - 110)			MCAWW 300.0A	10/04-10/05/07	7278596
	93	(90 - 110)	0.15	(0-10)	MCAWW 300.0A	10/04-10/05/07	7278596
		Dilution Factor: 1			Analysis Time..: 03:51		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phosphate as P, Ortho		WO#:J8J6C1AC-LCS/J8J6C1AD-LCSD LCS Lot-Sample#: D7J050000-601					
	96	(90 - 110)			MCAWW 300.0A	10/04/07	7278601
	94	(90 - 110)	1.6	(0-10)	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1			Analysis Time..: 21:13		
Phosphate as P, Ortho		WO#:J8J6M1AC-LCS/J8J6M1AD-LCSD LCS Lot-Sample#: D7J050000-605					
	95	(90 - 110)			MCAWW 300.0A	10/04-10/05/07	7278605
	96	(90 - 110)	0.71	(0-10)	MCAWW 300.0A	10/04-10/05/07	7278605
		Dilution Factor: 1			Analysis Time..: 03:51		
Phosphate as P, Ortho		WO#:J8KKL1AC-LCS/J8KKL1AD-LCSD LCS Lot-Sample#: D7J060000-103					
	100	(90 - 110)			MCAWW 300.0A	10/05/07	7279103
	101	(90 - 110)	1.6	(0-10)	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1			Analysis Time..: 09:49		
Phosphate as P, Ortho		WO#:J816W1AC-LCS/J816W1AD-LCSD LCS Lot-Sample#: D7J150000-459					
	101	(90 - 110)			MCAWW 300.0A	10/13/07	7288459
	101	(90 - 110)	0.11	(0-10)	MCAWW 300.0A	10/13/07	7288459
		Dilution Factor: 1			Analysis Time..: 10:04		
Sulfate		WO#:J8APE1AC-LCS/J8APE1AD-LCSD LCS Lot-Sample#: D7J050000-122					
	102	(90 - 110)			MCAWW 300.0A	10/04/07	7278122
	101	(90 - 110)	1.2	(0-10)	MCAWW 300.0A	10/04/07	7278122
		Dilution Factor: 1			Analysis Time..: 12:21		
Sulfate		WO#:J8CWW1AC-LCS/J8CWW1AD-LCSD LCS Lot-Sample#: D7J050000-135					
	100	(90 - 110)			MCAWW 300.0A	10/04/07	7278135
	101	(90 - 110)	0.79	(0-10)	MCAWW 300.0A	10/04/07	7278135
		Dilution Factor: 1			Analysis Time..: 21:24		
Sulfate		WO#:J8J521AC-LCS/J8J521AD-LCSD LCS Lot-Sample#: D7J050000-597					
	94	(90 - 110)			MCAWW 300.0A	10/04/07	7278597
	94	(90 - 110)	0.05	(0-10)	MCAWW 300.0A	10/04/07	7278597
		Dilution Factor: 1			Analysis Time..: 11:12		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		WO#:J8J6N1AC-LCS/J8J6N1AD-LCSD LCS Lot-Sample#: D7J050000-606					
	96	(90 - 110)			MCAWW 300.0A	10/05/07	7278606
	94	(90 - 110)	1.8	(0-10)	MCAWW 300.0A	10/05/07	7278606
		Dilution Factor: 1			Analysis Time..: 03:51		
Sulfate		WO#:J8KKN1AC-LCS/J8KKN1AD-LCSD LCS Lot-Sample#: D7J060000-099					
	100	(90 - 110)			MCAWW 300.0A	10/05/07	7279099
	101	(90 - 110)	1.3	(0-10)	MCAWW 300.0A	10/05/07	7279099
		Dilution Factor: 1			Analysis Time..: 09:49		
Sulfate		WO#:J816X1AC-LCS/J816X1AD-LCSD LCS Lot-Sample#: D7J150000-455					
	102	(90 - 110)			MCAWW 300.0A	10/13/07	7288455
	102	(90 - 110)	0.16	(0-10)	MCAWW 300.0A	10/13/07	7288455
		Dilution Factor: 1			Analysis Time..: 10:04		
Sulfate		WO#:KACL61AC-LCS/KACL61AD-LCSD LCS Lot-Sample#: D7K010000-370					
	107	(90 - 110)			MCAWW 300.0A	10/31/07	7305370
	107	(90 - 110)	0.06	(0-10)	MCAWW 300.0A	10/31/07	7305370
		Dilution Factor: 1			Analysis Time..: 11:18		
Total Alkalinity		WO#:J8E6F1AC-LCS/J8E6F1AD-LCSD LCS Lot-Sample#: D7J060000-141					
	94	(90 - 110)			MCAWW 310.1	10/05/07	7279141
	98	(90 - 110)	4.2	(0-10)	MCAWW 310.1	10/05/07	7279141
		Dilution Factor: 1			Analysis Time..: 09:00		
Total Alkalinity		WO#:J8JN51AC-LCS/J8JN51AD-LCSD LCS Lot-Sample#: D7J090000-447					
	95	(90 - 110)			MCAWW 310.1	10/06/07	7282447
	96	(90 - 110)	0.52	(0-10)	MCAWW 310.1	10/06/07	7282447
		Dilution Factor: 1			Analysis Time..: 15:00		
Total Alkalinity		WO#:J8JPV1AC-LCS/J8JPV1AD-LCSD LCS Lot-Sample#: D7J090000-449					
	98	(90 - 110)			MCAWW 310.1	10/06/07	7282449
	96	(90 - 110)	1.0	(0-10)	MCAWW 310.1	10/06/07	7282449
		Dilution Factor: 1			Analysis Time..: 15:00		
Total Alkalinity		WO#:J8MFT1AC-LCS/J8MFT1AD-LCSD LCS Lot-Sample#: D7J100000-437					
	96	(90 - 110)			MCAWW 310.1	10/09/07	7283437
	97	(90 - 110)	1.6	(0-10)	MCAWW 310.1	10/09/07	7283437
		Dilution Factor: 1			Analysis Time..: 18:00		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		WO#:J9CV81AC-LCS/J9CV81AD-LCSD				LCS Lot-Sample#: D7J180000-487	
	97	(90 - 110)			MCAWW 310.1	10/17/07	7291487
	97	(90 - 110)	0.0	(0-10)	MCAWW 310.1	10/17/07	7291487
		Dilution Factor: 1			Analysis Time..: 19:00		
Total Alkalinity		WO#:J9G981AC-LCS/J9G981AD-LCSD				LCS Lot-Sample#: D7J200000-109	
	96	(90 - 110)			MCAWW 310.1	10/18/07	7293109
	96	(90 - 110)	1.0	(0-10)	MCAWW 310.1	10/18/07	7293109
		Dilution Factor: 1			Analysis Time..: 17:00		
Total Dissolved Solids		WO#:J8L771AC-LCS/J8L771AD-LCSD				LCS Lot-Sample#: D7J080000-479	
	95	(86 - 106)			MCAWW 160.1	10/08/07	7281479
	104	(86 - 106)	8.4	(0-20)	MCAWW 160.1	10/08/07	7281479
		Dilution Factor: 1			Analysis Time..: 18:20		
Total Dissolved Solids		WO#:J8L8M1AC-LCS/J8L8M1AD-LCSD				LCS Lot-Sample#: D7J080000-482	
	97	(86 - 106)			MCAWW 160.1	10/08/07	7281482
	99	(86 - 106)	2.0	(0-20)	MCAWW 160.1	10/08/07	7281482
		Dilution Factor: 1			Analysis Time..: 18:40		
Total Dissolved Solids		WO#:J8X2A1AC-LCS/J8X2A1AD-LCSD				LCS Lot-Sample#: D7J090000-618	
	101	(86 - 106)			MCAWW 160.1	10/09/07	7282618
	104	(86 - 106)	2.7	(0-20)	MCAWW 160.1	10/09/07	7282618
		Dilution Factor: 1			Analysis Time..: 17:15		
Total Dissolved Solids		WO#:J8X2E1AC-LCS/J8X2E1AD-LCSD				LCS Lot-Sample#: D7J090000-619	
	102	(86 - 106)			MCAWW 160.1	10/09/07	7282619
	100	(86 - 106)	2.2	(0-20)	MCAWW 160.1	10/09/07	7282619
		Dilution Factor: 1			Analysis Time..: 17:40		
Total Dissolved Solids		WO#:J8X2G1AC-LCS/J8X2G1AD-LCSD				LCS Lot-Sample#: D7J100000-631	
	103	(86 - 106)			MCAWW 160.1	10/10/07	7283631
	103	(86 - 106)	0.77	(0-20)	MCAWW 160.1	10/10/07	7283631
		Dilution Factor: 1			Analysis Time..: 17:30		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		WO#:J8X2H1AC-LCS/J8X2H1AD-LCSD LCS Lot-Sample#: D7J100000-633					
	103	(86 - 106)			MCAWW 160.1	10/10/07	7283633
	101	(86 - 106)	2.0	(0-20)	MCAWW 160.1	10/10/07	7283633
		Dilution Factor: 1			Analysis Time..: 18:15		
Total Dissolved Solids		WO#:J80G71AC-LCS/J80G71AD-LCSD LCS Lot-Sample#: D7J110000-602					
	99	(86 - 106)			MCAWW 160.1	10/11/07	7284602
	99	(86 - 106)	0.40	(0-20)	MCAWW 160.1	10/11/07	7284602
		Dilution Factor: 1			Analysis Time..: 14:40		
Total Dissolved Solids		WO#:J9GNP1AC-LCS/J9GNP1AD-LCSD LCS Lot-Sample#: D7J160000-570					
	101	(86 - 106)			MCAWW 160.1	10/16/07	7289570
	99	(86 - 106)	2.0	(0-20)	MCAWW 160.1	10/16/07	7289570
		Dilution Factor: 1			Analysis Time..: 14:10		
Total Dissolved Solids		WO#:J9P5V1AC-LCS/J9P5V1AD-LCSD LCS Lot-Sample#: D7J180000-637					
	98	(86 - 106)			MCAWW 160.1	10/18/07	7291637
	100	(86 - 106)	2.2	(0-20)	MCAWW 160.1	10/18/07	7291637
		Dilution Factor: 1			Analysis Time..: 21:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide			WO#:J8J5T1AC-LCS/J8J5T1AD-LCSD			LCS Lot-Sample#: D7J050000-593		
	5.00	4.85	mg/L	97		MCAWW 300.0A	10/04/07	7278593
	5.00	4.84	mg/L	97	0.14	MCAWW 300.0A	10/04/07	7278593
			Dilution Factor: 1			Analysis Time..: 11:12		
Bromide			WO#:J8J591AC-LCS/J8J591AD-LCSD			LCS Lot-Sample#: D7J050000-598		
	5.00	4.89	mg/L	98		MCAWW 300.0A	10/04/07	7278598
	5.00	4.85	mg/L	97	0.80	MCAWW 300.0A	10/04/07	7278598
			Dilution Factor: 1			Analysis Time..: 21:13		
Bromide			WO#:J8J6L1AC-LCS/J8J6L1AD-LCSD			LCS Lot-Sample#: D7J050000-602		
	5.00	4.86	mg/L	97		MCAWW 300.0A	10/04-10/05/07	7278602
	5.00	4.86	mg/L	97	0.05	MCAWW 300.0A	10/04-10/05/07	7278602
			Dilution Factor: 1			Analysis Time..: 03:51		
Bromide			WO#:J8KKA1AC-LCS/J8KKA1AD-LCSD			LCS Lot-Sample#: D7J060000-100		
	5.00	4.94	mg/L	99		MCAWW 300.0A	10/05/07	7279100
	5.00	4.99	mg/L	100	1.0	MCAWW 300.0A	10/05/07	7279100
			Dilution Factor: 1			Analysis Time..: 09:49		
Bromide			WO#:J816Q1AC-LCS/J816Q1AD-LCSD			LCS Lot-Sample#: D7J150000-457		
	5.00	5.05	mg/L	101		MCAWW 300.0A	10/13/07	7288457
	5.00	5.07	mg/L	101	0.34	MCAWW 300.0A	10/13/07	7288457
			Dilution Factor: 1			Analysis Time..: 10:04		
Chloride			WO#:J8J5P1AC-LCS/J8J5P1AD-LCSD			LCS Lot-Sample#: D7J050000-594		
	25.0	23.2	mg/L	93		MCAWW 300.0A	10/04/07	7278594
	25.0	23.2	mg/L	93	0.26	MCAWW 300.0A	10/04/07	7278594
			Dilution Factor: 1			Analysis Time..: 11:12		
Chloride			WO#:J8J571AC-LCS/J8J571AD-LCSD			LCS Lot-Sample#: D7J050000-599		
	25.0	23.4	mg/L	94		MCAWW 300.0A	10/04/07	7278599
	25.0	23.3	mg/L	93	0.46	MCAWW 300.0A	10/04/07	7278599
			Dilution Factor: 1			Analysis Time..: 21:13		
Chloride			WO#:J8J6J1AC-LCS/J8J6J1AD-LCSD			LCS Lot-Sample#: D7J050000-603		
	25.0	23.4	mg/L	94		MCAWW 300.0A	10/04-10/05/07	7278603
	25.0	23.3	mg/L	93	0.36	MCAWW 300.0A	10/04-10/05/07	7278603
			Dilution Factor: 1			Analysis Time..: 03:51		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			WO#:J8KJ01AC-LCS/J8KJ01AD-LCSD			LCS Lot-Sample#: D7J060000-101		
	25.0	25.0	mg/L	100		MCAWW 300.0A	10/05/07	7279101
	25.0	25.4	mg/L	102	1.6	MCAWW 300.0A	10/05/07	7279101
			Dilution Factor: 1			Analysis Time..: 09:49		
Chloride			WO#:J816K1AC-LCS/J816K1AD-LCSD			LCS Lot-Sample#: D7J150000-454		
	25.0	25.7	mg/L	103		MCAWW 300.0A	10/13/07	7288454
	25.0	25.7	mg/L	103	0.14	MCAWW 300.0A	10/13/07	7288454
			Dilution Factor: 1			Analysis Time..: 10:04		
Chloride			WO#:J9VLD1AC-LCS/J9VLD1AD-LCSD			LCS Lot-Sample#: D7J250000-553		
	25.0	25.2	mg/L	101		MCAWW 300.0A	10/24/07	7298553
	25.0	25.2	mg/L	101	0.19	MCAWW 300.0A	10/24/07	7298553
			Dilution Factor: 1			Analysis Time..: 14:35		
Fluoride			WO#:J8J5L1AC-LCS/J8J5L1AD-LCSD			LCS Lot-Sample#: D7J050000-595		
	5.00	4.84	mg/L	97		MCAWW 300.0A	10/04/07	7278595
	5.00	4.84	mg/L	97	0.03	MCAWW 300.0A	10/04/07	7278595
			Dilution Factor: 1			Analysis Time..: 11:12		
Fluoride			WO#:J8J561AC-LCS/J8J561AD-LCSD			LCS Lot-Sample#: D7J050000-600		
	5.00	4.86	mg/L	97		MCAWW 300.0A	10/04/07	7278600
	5.00	4.85	mg/L	97	0.26	MCAWW 300.0A	10/04/07	7278600
			Dilution Factor: 1			Analysis Time..: 21:13		
Fluoride			WO#:J8J6H1AC-LCS/J8J6H1AD-LCSD			LCS Lot-Sample#: D7J050000-604		
	5.00	4.86	mg/L	97		MCAWW 300.0A	10/04-10/05/07	7278604
	5.00	4.85	mg/L	97	0.18	MCAWW 300.0A	10/04-10/05/07	7278604
			Dilution Factor: 1			Analysis Time..: 03:51		
Fluoride			WO#:J8KJT1AC-LCS/J8KJT1AD-LCSD			LCS Lot-Sample#: D7J060000-102		
	5.00	5.11	mg/L	102		MCAWW 300.0A	10/05/07	7279102
	5.00	5.17	mg/L	103	1.0	MCAWW 300.0A	10/05/07	7279102
			Dilution Factor: 1			Analysis Time..: 09:49		
Fluoride			WO#:J816H1AC-LCS/J816H1AD-LCSD			LCS Lot-Sample#: D7J150000-460		
	5.00	5.22	mg/L	104		MCAWW 300.0A	10/13/07	7288460
	5.00	5.22	mg/L	104	0.03	MCAWW 300.0A	10/13/07	7288460
			Dilution Factor: 1			Analysis Time..: 10:04		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		WO#:J9L4X1AC-LCS/J9L4X1AD-LCSD LCS Lot-Sample#: D7J230000-364						
	4.00	4.24	mg/L	106		MCAWW 353.2	10/22/07	7296364
	4.00	4.28	mg/L	107	1.1	MCAWW 353.2	10/22/07	7296364
		Dilution Factor: 1				Analysis Time..: 06:00		
Nitrate-Nitrite		WO#:J9L421AC-LCS/J9L421AD-LCSD LCS Lot-Sample#: D7J230000-366						
	4.00	4.19	mg/L	105		MCAWW 353.2	10/22/07	7296366
	4.00	4.23	mg/L	106	0.94	MCAWW 353.2	10/22/07	7296366
		Dilution Factor: 1				Analysis Time..: 06:00		
Nitrate-Nitrite		WO#:J9L471AC-LCS/J9L471AD-LCSD LCS Lot-Sample#: D7J230000-368						
	4.00	4.20	mg/L	105		MCAWW 353.2	10/22/07	7296368
	4.00	4.30	mg/L	108	2.4	MCAWW 353.2	10/22/07	7296368
		Dilution Factor: 1				Analysis Time..: 06:00		
Nitrate-Nitrite		WO#:J9L5J1AC-LCS/J9L5J1AD-LCSD LCS Lot-Sample#: D7J230000-371						
	4.00	4.27	mg/L	107		MCAWW 353.2	10/22/07	7296371
	4.00	4.24	mg/L	106	0.86	MCAWW 353.2	10/22/07	7296371
		Dilution Factor: 1				Analysis Time..: 06:00		
Nitrate-Nitrite		WO#:J9XKM1AC-LCS/J9XKM1AD-LCSD LCS Lot-Sample#: D7J260000-334						
	4.00	4.01	mg/L	100		MCAWW 353.2	10/25/07	7299334
	4.00	4.08	mg/L	102	1.7	MCAWW 353.2	10/25/07	7299334
		Dilution Factor: 1				Analysis Time..: 10:02		
Nitrate-Nitrite		WO#:KAJDW1AC-LCS/KAJDW1AD-LCSD LCS Lot-Sample#: D7K050000-245						
	4.00	4.27	mg/L	107		MCAWW 353.2	11/01/07	7309245
	4.00	4.29	mg/L	107	0.46	MCAWW 353.2	11/01/07	7309245
		Dilution Factor: 1				Analysis Time..: 09:00		
Phosphate as P, Ortho		WO#:J8F3A1AC-LCS/J8F3A1AD-LCSD LCS Lot-Sample#: D7J060000-121						
	5.00	4.70	mg/L	94		MCAWW 300.0A	10/05-10/06/07	7279121
	5.00	4.67	mg/L	93	0.53	MCAWW 300.0A	10/05-10/06/07	7279121
		Dilution Factor: 1				Analysis Time..: 08:05		
Phosphate as P, Ortho		WO#:J8J5X1AC-LCS/J8J5X1AD-LCSD LCS Lot-Sample#: D7J050000-596						
	5.00	4.63	mg/L	93		MCAWW 300.0A	10/04-10/05/07	7278596
	5.00	4.64	mg/L	93	0.15	MCAWW 300.0A	10/04-10/05/07	7278596
		Dilution Factor: 1				Analysis Time..: 03:51		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phosphate as Ortho P,		WO#:J8J6C1AC-LCS/J8J6C1AD-LCSD LCS Lot-Sample#: D7J050000-601						
	5.00	4.78	mg/L	96		MCAWW 300.0A	10/04/07	7278601
	5.00	4.71	mg/L	94	1.6	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1				Analysis Time..: 21:13		
Phosphate as Ortho P,		WO#:J8J6M1AC-LCS/J8J6M1AD-LCSD LCS Lot-Sample#: D7J050000-605						
	5.00	4.75	mg/L	95		MCAWW 300.0A	10/04-10/05/07	7278605
	5.00	4.79	mg/L	96	0.71	MCAWW 300.0A	10/04-10/05/07	7278605
		Dilution Factor: 1				Analysis Time..: 03:51		
Phosphate as Ortho P,		WO#:J8KKL1AC-LCS/J8KKL1AD-LCSD LCS Lot-Sample#: D7J060000-103						
	5.00	4.99	mg/L	100		MCAWW 300.0A	10/05/07	7279103
	5.00	5.07	mg/L	101	1.6	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1				Analysis Time..: 09:49		
Phosphate as Ortho P,		WO#:J816W1AC-LCS/J816W1AD-LCSD LCS Lot-Sample#: D7J150000-459						
	5.00	5.05	mg/L	101		MCAWW 300.0A	10/13/07	7288459
	5.00	5.06	mg/L	101	0.11	MCAWW 300.0A	10/13/07	7288459
		Dilution Factor: 1				Analysis Time..: 10:04		
Sulfate		WO#:J8APE1AC-LCS/J8APE1AD-LCSD LCS Lot-Sample#: D7J050000-122						
	25.0	25.6	mg/L	102		MCAWW 300.0A	10/04/07	7278122
	25.0	25.3	mg/L	101	1.2	MCAWW 300.0A	10/04/07	7278122
		Dilution Factor: 1				Analysis Time..: 12:21		
Sulfate		WO#:J8CWW1AC-LCS/J8CWW1AD-LCSD LCS Lot-Sample#: D7J050000-135						
	25.0	25.1	mg/L	100		MCAWW 300.0A	10/04/07	7278135
	25.0	25.3	mg/L	101	0.79	MCAWW 300.0A	10/04/07	7278135
		Dilution Factor: 1				Analysis Time..: 21:24		
Sulfate		WO#:J8J521AC-LCS/J8J521AD-LCSD LCS Lot-Sample#: D7J050000-597						
	25.0	23.5	mg/L	94		MCAWW 300.0A	10/04/07	7278597
	25.0	23.4	mg/L	94	0.05	MCAWW 300.0A	10/04/07	7278597
		Dilution Factor: 1				Analysis Time..: 11:12		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		WO#:J8J6N1AC-LCS/J8J6N1AD-LCSD LCS Lot-Sample#: D7J050000-606						
	25.0	24.0	mg/L	96		MCAWW 300.0A	10/05/07	7278606
	25.0	23.5	mg/L	94	1.8	MCAWW 300.0A	10/05/07	7278606
		Dilution Factor: 1				Analysis Time..: 03:51		
Sulfate		WO#:J8KKN1AC-LCS/J8KKN1AD-LCSD LCS Lot-Sample#: D7J060000-099						
	25.0	25.0	mg/L	100		MCAWW 300.0A	10/05/07	7279099
	25.0	25.3	mg/L	101	1.3	MCAWW 300.0A	10/05/07	7279099
		Dilution Factor: 1				Analysis Time..: 09:49		
Sulfate		WO#:J816X1AC-LCS/J816X1AD-LCSD LCS Lot-Sample#: D7J150000-455						
	25.0	25.6	mg/L	102		MCAWW 300.0A	10/13/07	7288455
	25.0	25.6	mg/L	102	0.16	MCAWW 300.0A	10/13/07	7288455
		Dilution Factor: 1				Analysis Time..: 10:04		
Sulfate		WO#:KACL61AC-LCS/KACL61AD-LCSD LCS Lot-Sample#: D7K010000-370						
	25.0	26.8	mg/L	107		MCAWW 300.0A	10/31/07	7305370
	25.0	26.8	mg/L	107	0.06	MCAWW 300.0A	10/31/07	7305370
		Dilution Factor: 1				Analysis Time..: 11:18		
Total Alkalinity		WO#:J8E6F1AC-LCS/J8E6F1AD-LCSD LCS Lot-Sample#: D7J060000-141						
	200	187	mg/L	94		MCAWW 310.1	10/05/07	7279141
	200	195	mg/L	98	4.2	MCAWW 310.1	10/05/07	7279141
		Dilution Factor: 1				Analysis Time..: 09:00		
Total Alkalinity		WO#:J8JN51AC-LCS/J8JN51AD-LCSD LCS Lot-Sample#: D7J090000-447						
	200	190	mg/L	95		MCAWW 310.1	10/06/07	7282447
	200	191	mg/L	96	0.52	MCAWW 310.1	10/06/07	7282447
		Dilution Factor: 1				Analysis Time..: 15:00		
Total Alkalinity		WO#:J8JPV1AC-LCS/J8JPV1AD-LCSD LCS Lot-Sample#: D7J090000-449						
	200	195	mg/L	98		MCAWW 310.1	10/06/07	7282449
	200	193	mg/L	96	1.0	MCAWW 310.1	10/06/07	7282449
		Dilution Factor: 1				Analysis Time..: 15:00		
Total Alkalinity		WO#:J8MFT1AC-LCS/J8MFT1AD-LCSD LCS Lot-Sample#: D7J100000-437						
	200	191	mg/L	96		MCAWW 310.1	10/09/07	7283437
	200	194	mg/L	97	1.6	MCAWW 310.1	10/09/07	7283437
		Dilution Factor: 1				Analysis Time..: 18:00		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		WO#:J9CV81AC-LCS/J9CV81AD-LCSD				LCS Lot-Sample#: D7J180000-487		
	200	194	mg/L	97		MCAWW 310.1	10/17/07	7291487
	200	194	mg/L	97	0.0	MCAWW 310.1	10/17/07	7291487
		Dilution Factor: 1				Analysis Time..: 19:00		
Total Alkalinity		WO#:J9G981AC-LCS/J9G981AD-LCSD				LCS Lot-Sample#: D7J200000-109		
	200	191	mg/L	96		MCAWW 310.1	10/18/07	7293109
	200	193	mg/L	96	1.0	MCAWW 310.1	10/18/07	7293109
		Dilution Factor: 1				Analysis Time..: 17:00		
Total Dissolved Solids		WO#:J8L771AC-LCS/J8L771AD-LCSD				LCS Lot-Sample#: D7J080000-479		
	500	476	mg/L	95		MCAWW 160.1	10/08/07	7281479
	500	518	mg/L	104	8.4	MCAWW 160.1	10/08/07	7281479
		Dilution Factor: 1				Analysis Time..: 18:20		
Total Dissolved Solids		WO#:J8L8M1AC-LCS/J8L8M1AD-LCSD				LCS Lot-Sample#: D7J080000-482		
	500	487	mg/L	97		MCAWW 160.1	10/08/07	7281482
	500	497	mg/L	99	2.0	MCAWW 160.1	10/08/07	7281482
		Dilution Factor: 1				Analysis Time..: 18:40		
Total Dissolved Solids		WO#:J8X2A1AC-LCS/J8X2A1AD-LCSD				LCS Lot-Sample#: D7J090000-618		
	500	504	mg/L	101		MCAWW 160.1	10/09/07	7282618
	500	518	mg/L	104	2.7	MCAWW 160.1	10/09/07	7282618
		Dilution Factor: 1				Analysis Time..: 17:15		
Total Dissolved Solids		WO#:J8X2E1AC-LCS/J8X2E1AD-LCSD				LCS Lot-Sample#: D7J090000-619		
	500	511	mg/L	102		MCAWW 160.1	10/09/07	7282619
	500	500	mg/L	100	2.2	MCAWW 160.1	10/09/07	7282619
		Dilution Factor: 1				Analysis Time..: 17:40		
Total Dissolved Solids		WO#:J8X2G1AC-LCS/J8X2G1AD-LCSD				LCS Lot-Sample#: D7J100000-631		
	500	517	mg/L	103		MCAWW 160.1	10/10/07	7283631
	500	513	mg/L	103	0.77	MCAWW 160.1	10/10/07	7283631
		Dilution Factor: 1				Analysis Time..: 17:30		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: HTA-27 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids			WO#:J8X2H1AC-LCS/J8X2H1AD-LCSD			LCS Lot-Sample#: D7J100000-633		
	500	513	mg/L	103		MCAWW 160.1	10/10/07	7283633
	500	503	mg/L	101	2.0	MCAWW 160.1	10/10/07	7283633
			Dilution Factor: 1			Analysis Time..: 18:15		
Total Dissolved Solids			WO#:J80G71AC-LCS/J80G71AD-LCSD			LCS Lot-Sample#: D7J110000-602		
	500	495	mg/L	99		MCAWW 160.1	10/11/07	7284602
	500	493	mg/L	99	0.40	MCAWW 160.1	10/11/07	7284602
			Dilution Factor: 1			Analysis Time..: 14:40		
Total Dissolved Solids			WO#:J9GNP1AC-LCS/J9GNP1AD-LCSD			LCS Lot-Sample#: D7J160000-570		
	500	505	mg/L	101		MCAWW 160.1	10/16/07	7289570
	500	495	mg/L	99	2.0	MCAWW 160.1	10/16/07	7289570
			Dilution Factor: 1			Analysis Time..: 14:10		
Total Dissolved Solids			WO#:J9P5V1AC-LCS/J9P5V1AD-LCSD			LCS Lot-Sample#: D7J180000-637		
	500	489	mg/L	98		MCAWW 160.1	10/18/07	7291637
	500	500	mg/L	100	2.2	MCAWW 160.1	10/18/07	7291637
			Dilution Factor: 1			Analysis Time..: 21:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide			WO#: J78KK1AX-MS/J78KK1A0-MSD			MS Lot-Sample #: D7J040153-001	
	94	(90 - 110)			MCAWW 300.0A	10/04/07	7278586
	95	(90 - 110)	0.50	(0-10)	MCAWW 300.0A	10/04/07	7278586
		Dilution Factor: 5					
		Analysis Time..: 12:36					
Bromide			WO#: J78PD1CM-MS/J78PD1CN-MSD			MS Lot-Sample #: D7J040166-006	
	97	(80 - 120)			MCAWW 300.0A	10/04/07	7278598
	102	(80 - 120)	5.5	(0-20)	MCAWW 300.0A	10/04/07	7278598
		Dilution Factor: 1					
		Analysis Time..: 22:19					
Bromide			WO#: J78QQ1CK-MS/J78QQ1CL-MSD			MS Lot-Sample #: D7J040166-033	
	99	(80 - 120)			MCAWW 300.0A	10/04-10/05/07	7278602
	98	(80 - 120)	0.19	(0-20)	MCAWW 300.0A	10/04-10/05/07	7278602
		Dilution Factor: 1					
		Analysis Time..: 04:58					
Bromide			WO#: J8CC01DK-MS/J8CC01DL-MSD			MS Lot-Sample #: D7J050164-004	
	96	(80 - 120)			MCAWW 300.0A	10/05/07	7279100
	92	(80 - 120)	3.8	(0-20)	MCAWW 300.0A	10/05/07	7279100
		Dilution Factor: 1					
		Analysis Time..: 16:15					
Chloride			WO#: J78KK1A1-MS/J78KK1A2-MSD			MS Lot-Sample #: D7J040153-001	
	114 N	(90 - 110)			MCAWW 300.0A	10/04-10/05/07	7278587
	113 N	(90 - 110)	0.51	(0-10)	MCAWW 300.0A	10/04-10/05/07	7278587
		Dilution Factor: 10					
		Analysis Time..: 06:04					
Chloride			WO#: J78PD1CK-MS/J78PD1CL-MSD			MS Lot-Sample #: D7J040166-006	
	112 I	(80 - 120)			MCAWW 300.0A	10/04/07	7278599
	118 I	(80 - 120)	2.8	(0-20)	MCAWW 300.0A	10/04/07	7278599
		Dilution Factor: 1					
		Analysis Time..: 22:19					
Chloride			WO#: J78PX1CF-MS/J78PX1CG-MSD			MS Lot-Sample #: D7J040166-016	
	105	(80 - 120)			MCAWW 300.0A	10/24/07	7298553
	106	(80 - 120)	0.54	(0-20)	MCAWW 300.0A	10/24/07	7298553
		Dilution Factor: 2					
		Analysis Time..: 22:27					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			WO#: J78QQ1CH-MS/J78QQ1CJ-MSD			MS Lot-Sample #: D7J040166-033	
	114 I	(80 - 120)			MCAWW 300.0A	10/04-10/05/07	7278603
	113 I	(80 - 120)	0.41	(0-20)	MCAWW 300.0A	10/04-10/05/07	7278603
		Dilution Factor: 1					
		Analysis Time..: 04:58					
Chloride			WO#: J8CC01EA-MS/J8CC01EC-MSD			MS Lot-Sample #: D7J050164-004	
	100 I	(80 - 120)			MCAWW 300.0A	10/05/07	7279101
	96 I	(80 - 120)	1.4	(0-20)	MCAWW 300.0A	10/05/07	7279101
		Dilution Factor: 1					
		Analysis Time..: 16:15					
Fluoride			WO#: J78KK1A3-MS/J78KK1A4-MSD			MS Lot-Sample #: D7J040153-001	
	85 N	(90 - 110)			MCAWW 300.0A	10/04/07	7278588
	94 *	(90 - 110)	11	(0-10)	MCAWW 300.0A	10/04/07	7278588
		Dilution Factor: 5					
		Analysis Time..: 12:36					
Fluoride			WO#: J78PD1CH-MS/J78PD1CJ-MSD			MS Lot-Sample #: D7J040166-006	
	93	(80 - 120)			MCAWW 300.0A	10/04/07	7278600
	97	(80 - 120)	2.9	(0-20)	MCAWW 300.0A	10/04/07	7278600
		Dilution Factor: 1					
		Analysis Time..: 22:19					
Fluoride			WO#: J78QQ1CF-MS/J78QQ1CG-MSD			MS Lot-Sample #: D7J040166-033	
	95	(80 - 120)			MCAWW 300.0A	10/04-10/05/07	7278604
	94	(80 - 120)	0.91	(0-20)	MCAWW 300.0A	10/04-10/05/07	7278604
		Dilution Factor: 1					
		Analysis Time..: 04:58					
Fluoride			WO#: J8CC01ED-MS/J8CC01EE-MSD			MS Lot-Sample #: D7J050164-004	
	107	(80 - 120)			MCAWW 300.0A	10/05/07	7279102
	102	(80 - 120)	2.8	(0-20)	MCAWW 300.0A	10/05/07	7279102
		Dilution Factor: 1					
		Analysis Time..: 16:15					
Nitrate-Nitrite			WO#: J8CC01DH-MS/J8CC01DJ-MSD			MS Lot-Sample #: D7J050164-004	
	84	(72 - 113)			MCAWW 353.2	10/22/07	7296371
	84	(72 - 113)	0.38	(0-17)	MCAWW 353.2	10/22/07	7296371
		Dilution Factor: 1					
		Analysis Time..: 06:00					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite		WO#: J9D0M1ED-MS/J9D0M1EE-MSD				MS Lot-Sample #: D7J190186-001	
	95	(72 - 113)			MCAWW 353.2	11/01/07	7309245
	98	(72 - 113)	2.0	(0-17)	MCAWW 353.2	11/01/07	7309245
		Dilution Factor: 1					
		Analysis Time..: 09:00					
Phosphate as P, Ortho		WO#: J78KK1CC-MS/J78KK1CD-MSD				MS Lot-Sample #: D7J040153-001	
	77 N	(90 - 110)			MCAWW 300.0A	10/04/07	7278592
	90 *	(90 - 110)	16	(0-10)	MCAWW 300.0A	10/04/07	7278592
		Dilution Factor: 5					
		Analysis Time..: 12:36					
Phosphate as P, Ortho		WO#: J78PD1CP-MS/J78PD1CQ-MSD				MS Lot-Sample #: D7J040166-006	
	59 N	(80 - 120)			MCAWW 300.0A	10/04/07	7278601
	36 N,*	(80 - 120)	49	(0-20)	MCAWW 300.0A	10/04/07	7278601
		Dilution Factor: 1					
		Analysis Time..: 22:19					
Phosphate as P, Ortho		WO#: J78QQ1CM-MS/J78QQ1CN-MSD				MS Lot-Sample #: D7J040166-033	
	52 N	(80 - 120)			MCAWW 300.0A	10/04-10/05/07	7278605
	37 N,*	(80 - 120)	34	(0-20)	MCAWW 300.0A	10/04-10/05/07	7278605
		Dilution Factor: 1					
		Analysis Time..: 04:58					
Phosphate as P, Ortho		WO#: J8CC01EF-MS/J8CC01EG-MSD				MS Lot-Sample #: D7J050164-004	
	749 N	(80 - 120)			MCAWW 300.0A	10/05/07	7279103
	109 *	(80 - 120)	148	(0-20)	MCAWW 300.0A	10/05/07	7279103
		Dilution Factor: 1					
		Analysis Time..: 16:15					
Phosphate as P, Ortho		WO#: J8CNL1AR-MS/J8CNL1AT-MSD				MS Lot-Sample #: D7J050194-004	
	39 N	(90 - 110)			MCAWW 300.0A	10/05-10/06/07	7279122
	44 N,*	(90 - 110)	12	(0-10)	MCAWW 300.0A	10/05-10/06/07	7279122
		Dilution Factor: 10					
		Analysis Time..: 10:01					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		WO#: J78EW1CL-MS/J78EW1CM-MSD				MS Lot-Sample #: D7J040133-002	
	90	(80 - 120)			MCAWW 300.0A	10/04/07	7278122
	90	(80 - 120)	0.04	(0-20)	MCAWW 300.0A	10/04/07	7278122
		Dilution Factor: 1					
		Analysis Time..: 14:51					
Sulfate		WO#: J78KK1A9-MS/J78KK1CA-MSD				MS Lot-Sample #: D7J040153-001	
	135 N	(90 - 110)			MCAWW 300.0A	10/04-10/05/07	7278591
	112 N	(90 - 110)	9.6	(0-10)	MCAWW 300.0A	10/04-10/05/07	7278591
		Dilution Factor: 200					
		Analysis Time..: 07:11					
Sulfate		WO#: J78PD1CF-MS/J78PD1CG-MSD				MS Lot-Sample #: D7J040166-006	
	94	(80 - 120)			MCAWW 300.0A	10/04/07	7278135
	94	(80 - 120)	0.29	(0-20)	MCAWW 300.0A	10/04/07	7278135
		Dilution Factor: 5					
		Analysis Time..: 23:25					
Sulfate		WO#: J78WA1AV-MS/J78WA1AW-MSD				MS Lot-Sample #: D7J040188-008	
	95 I	(80 - 120)			MCAWW 300.0A	10/05/07	7279099
	95 I	(80 - 120)	0.24	(0-20)	MCAWW 300.0A	10/05/07	7279099
		Dilution Factor: 1					
		Analysis Time..: 14:24					
Sulfate		WO#: J8CCV1CF-MS/J8CCV1CG-MSD				MS Lot-Sample #: D7J050164-002	
	109 I	(80 - 120)			MCAWW 300.0A	10/05/07	7278606
	109 I	(80 - 120)	0.20	(0-20)	MCAWW 300.0A	10/05/07	7278606
		Dilution Factor: 1					
		Analysis Time..: 16:53					
Sulfate		WO#: J8CC01EH-MS/J8CC01EJ-MSD				MS Lot-Sample #: D7J050164-004	
	98 I	(80 - 120)			MCAWW 300.0A	10/05-10/06/07	7279099
	98 I	(80 - 120)	0.15	(0-20)	MCAWW 300.0A	10/05-10/06/07	7279099
		Dilution Factor: 5					
		Analysis Time..: 00:22					
Sulfate		WO#: J82KV1AC-MS/J82KV1AD-MSD				MS Lot-Sample #: D7J080153-010	
	102	(80 - 120)			MCAWW 300.0A	10/13-10/14/07	7288455
	101	(80 - 120)	0.50	(0-20)	MCAWW 300.0A	10/13-10/14/07	7288455
		Dilution Factor: 1					
		Analysis Time..: 05:42					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		WO#:	J9MHG1CE-MS/J9MHG1CF-MSD			MS Lot-Sample #:	D7J230243-001
	107 I	(80 - 120)			MCAWW 300.0A	10/31/07	7305370
	114 I	(80 - 120)	2.8	(0-20)	MCAWW 300.0A	10/31/07	7305370
		Dilution Factor: 100					
		Analysis Time..: 18:35					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

I Estimated result. Result concentration exceeds the calibration range.

N Spiked analyte recovery is outside stated control limits.

* Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bromide			WO#: J78KK1AX-MS/J78KK1A0-MSD MS Lot-Sample #: D7J040153-001						
	3.5	25.0	27.1	mg/L	94		MCAWW 300.0A	10/04/07	7278586
	3.5	25.0	27.2	mg/L	95	0.50	MCAWW 300.0A	10/04/07	7278586
			Dilution Factor: 5						
			Analysis Time..: 12:36						
Bromide			WO#: J78PD1CM-MS/J78PD1CN-MSD MS Lot-Sample #: D7J040166-006						
	0.18	5.00	5.02	mg/L	97		MCAWW 300.0A	10/04/07	7278598
	0.18	5.00	5.30	mg/L	102	5.5	MCAWW 300.0A	10/04/07	7278598
			Dilution Factor: 1						
			Analysis Time..: 22:19						
Bromide			WO#: J78QQ1CK-MS/J78QQ1CL-MSD MS Lot-Sample #: D7J040166-033						
	0.19	5.00	5.12	mg/L	99		MCAWW 300.0A	10/04-10/05/07	7278602
	0.19	5.00	5.11	mg/L	98	0.19	MCAWW 300.0A	10/04-10/05/07	7278602
			Dilution Factor: 1						
			Analysis Time..: 04:58						
Bromide			WO#: J8CC01DK-MS/J8CC01DL-MSD MS Lot-Sample #: D7J050164-004						
	0.23	5.00	5.04	mg/L	96		MCAWW 300.0A	10/05/07	7279100
	0.23	5.00	4.85	mg/L	92	3.8	MCAWW 300.0A	10/05/07	7279100
			Dilution Factor: 1						
			Analysis Time..: 16:15						
Chloride			WO#: J78KK1A1-MS/J78KK1A2-MSD MS Lot-Sample #: D7J040153-001						
	340	250	627 N	mg/L	114		MCAWW 300.0A	10/04-10/05/07	7278587
	340	250	623 N	mg/L	113	0.51	MCAWW 300.0A	10/04-10/05/07	7278587
			Dilution Factor: 10						
			Analysis Time..: 06:04						
Chloride			WO#: J78PD1CK-MS/J78PD1CL-MSD MS Lot-Sample #: D7J040166-006						
	30	25.0	58.2 I	mg/L	112		MCAWW 300.0A	10/04/07	7278599
	30	25.0	59.8 I	mg/L	118	2.8	MCAWW 300.0A	10/04/07	7278599
			Dilution Factor: 1						
			Analysis Time..: 22:19						
Chloride			WO#: J78PX1CF-MS/J78PX1CG-MSD MS Lot-Sample #: D7J040166-016						
	53	50.0	106	mg/L	105		MCAWW 300.0A	10/24/07	7298553
	53	50.0	106	mg/L	106	0.54	MCAWW 300.0A	10/24/07	7298553
			Dilution Factor: 2						
			Analysis Time..: 22:27						

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			WO#: J78QQ1CH-MS/J78QQ1CJ-MSD MS Lot-Sample #: D7J040166-033						
	31	25.0	59.4 I	mg/L	114		MCAWW 300.0A	10/04-10/05/07	7278603
	31	25.0	59.2 I	mg/L	113	0.41	MCAWW 300.0A	10/04-10/05/07	7278603
			Dilution Factor: 1						
			Analysis Time..: 04:58						
Chloride			WO#: J8CC01EA-MS/J8CC01EC-MSD MS Lot-Sample #: D7J050164-004						
	31	25.0	55.6 I	mg/L	100		MCAWW 300.0A	10/05/07	7279101
	31	25.0	54.8 I	mg/L	96	1.4	MCAWW 300.0A	10/05/07	7279101
			Dilution Factor: 1						
			Analysis Time..: 16:15						
Fluoride			WO#: J78KK1A3-MS/J78KK1A4-MSD MS Lot-Sample #: D7J040153-001						
	0.54	25.0	21.7 N	mg/L	85		MCAWW 300.0A	10/04/07	7278588
	0.54	25.0	24.1 *	mg/L	94	11	MCAWW 300.0A	10/04/07	7278588
			Dilution Factor: 5						
			Analysis Time..: 12:36						
Fluoride			WO#: J78PD1CH-MS/J78PD1CJ-MSD MS Lot-Sample #: D7J040166-006						
	2.3	5.00	6.97	mg/L	93		MCAWW 300.0A	10/04/07	7278600
	2.3	5.00	7.18	mg/L	97	2.9	MCAWW 300.0A	10/04/07	7278600
			Dilution Factor: 1						
			Analysis Time..: 22:19						
Fluoride			WO#: J78QQ1CF-MS/J78QQ1CG-MSD MS Lot-Sample #: D7J040166-033						
	2.7	5.00	7.49	mg/L	95		MCAWW 300.0A	10/04-10/05/07	7278604
	2.7	5.00	7.43	mg/L	94	0.91	MCAWW 300.0A	10/04-10/05/07	7278604
			Dilution Factor: 1						
			Analysis Time..: 04:58						
Fluoride			WO#: J8CC01ED-MS/J8CC01EE-MSD MS Lot-Sample #: D7J050164-004						
	3.2	5.00	8.51	mg/L	107		MCAWW 300.0A	10/05/07	7279102
	3.2	5.00	8.27	mg/L	102	2.8	MCAWW 300.0A	10/05/07	7279102
			Dilution Factor: 1						
			Analysis Time..: 16:15						
Nitrate-Nitrite			WO#: J8CC01DH-MS/J8CC01DJ-MSD MS Lot-Sample #: D7J050164-004						
	ND	4.00	3.38	mg/L	84		MCAWW 353.2	10/22/07	7296371
	ND	4.00	3.40	mg/L	84	0.38	MCAWW 353.2	10/22/07	7296371
			Dilution Factor: 1						
			Analysis Time..: 06:00						

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate-Nitrite			WO#: J9D0M1ED-MS/J9D0M1EE-MSD				MS Lot-Sample #: D7J190186-001		
	2.6	4.00	6.41	mg/L	95		MCAWW 353.2	11/01/07	7309245
	2.6	4.00	6.54	mg/L	98	2.0	MCAWW 353.2	11/01/07	7309245
			Dilution Factor: 1						
			Analysis Time..: 09:00						
Phosphate as P, Ortho			WO#: J78KK1CC-MS/J78KK1CD-MSD				MS Lot-Sample #: D7J040153-001		
	ND	25.0	19.1 N	mg/L	77		MCAWW 300.0A	10/04/07	7278592
	ND	25.0	22.5 *	mg/L	90	16	MCAWW 300.0A	10/04/07	7278592
			Dilution Factor: 5						
			Analysis Time..: 12:36						
Phosphate as P, Ortho			WO#: J78PD1CP-MS/J78PD1CQ-MSD				MS Lot-Sample #: D7J040166-006		
	ND	5.00	2.95 N	mg/L	59		MCAWW 300.0A	10/04/07	7278601
	ND	5.00	1.78	mg/L	36	49	MCAWW 300.0A	10/04/07	7278601
			Qualifiers: N,*						
			Dilution Factor: 1						
			Analysis Time..: 22:19						
Phosphate as P, Ortho			WO#: J78QQ1CM-MS/J78QQ1CN-MSD				MS Lot-Sample #: D7J040166-033		
	ND	5.00	2.60 N	mg/L	52		MCAWW 300.0A	10/04-10/05/07	7278605
	ND	5.00	1.85	mg/L	37	34	MCAWW 300.0A	10/04-10/05/07	7278605
			Qualifiers: N,*						
			Dilution Factor: 1						
			Analysis Time..: 04:58						
Phosphate as P, Ortho			WO#: J8CC01EF-MS/J8CC01EG-MSD				MS Lot-Sample #: D7J050164-004		
	ND	5.00	37.6 N	mg/L	749		MCAWW 300.0A	10/05/07	7279103
	ND	5.00	5.55 *	mg/L	109	148	MCAWW 300.0A	10/05/07	7279103
			Dilution Factor: 1						
			Analysis Time..: 16:15						
Phosphate as P, Ortho			WO#: J8CNL1AR-MS/J8CNL1AT-MSD				MS Lot-Sample #: D7J050194-004		
	ND	50.0	19.5 N	mg/L	39		MCAWW 300.0A	10/05-10/06/07	7279122
	ND	50.0	22.0	mg/L	44	12	MCAWW 300.0A	10/05-10/06/07	7279122
			Qualifiers: N,*						
			Dilution Factor: 10						
			Analysis Time..: 10:01						

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate			WO#: J78EW1CL-MS/J78EW1CM-MSD MS Lot-Sample #: D7J040133-002						
	7.2	25.0	29.8	mg/L	90		MCAWW 300.0A	10/04/07	7278122
	7.2	25.0	29.8	mg/L	90	0.04	MCAWW 300.0A	10/04/07	7278122
			Dilution Factor: 1						
			Analysis Time..: 14:51						
Sulfate			WO#: J78KK1A9-MS/J78KK1CA-MSD MS Lot-Sample #: D7J040153-001						
	5300	5000	12100 N	mg/L	135		MCAWW 300.0A	10/04-10/05/07	7278591
	5300	5000	11000 N	mg/L	112	9.6	MCAWW 300.0A	10/04-10/05/07	7278591
			Dilution Factor: 200						
			Analysis Time..: 07:11						
Sulfate			WO#: J78PD1CF-MS/J78PD1CG-MSD MS Lot-Sample #: D7J040166-006						
	160	125	273	mg/L	94		MCAWW 300.0A	10/04/07	7278135
	160	125	272	mg/L	94	0.29	MCAWW 300.0A	10/04/07	7278135
			Dilution Factor: 5						
			Analysis Time..: 23:25						
Sulfate			WO#: J78WA1AV-MS/J78WA1AW-MSD MS Lot-Sample #: D7J040188-008						
	49	25.0	72.3 I	mg/L	95		MCAWW 300.0A	10/05/07	7279099
	49	25.0	72.5 I	mg/L	95	0.24	MCAWW 300.0A	10/05/07	7279099
			Dilution Factor: 1						
			Analysis Time..: 14:24						
Sulfate			WO#: J8CCV1CF-MS/J8CCV1CG-MSD MS Lot-Sample #: D7J050164-002						
	120	125	254 I	mg/L	109		MCAWW 300.0A	10/05/07	7278606
	120	125	255 I	mg/L	109	0.20	MCAWW 300.0A	10/05/07	7278606
			Dilution Factor: 1						
			Analysis Time..: 16:53						
Sulfate			WO#: J8CC01EH-MS/J8CC01EJ-MSD MS Lot-Sample #: D7J050164-004						
	150	125	272 I	mg/L	98		MCAWW 300.0A	10/05-10/06/07	7279099
	150	125	273 I	mg/L	98	0.15	MCAWW 300.0A	10/05-10/06/07	7279099
			Dilution Factor: 5						
			Analysis Time..: 00:22						
Sulfate			WO#: J82KV1AC-MS/J82KV1AD-MSD MS Lot-Sample #: D7J080153-010						
	73	125	200	mg/L	102		MCAWW 300.0A	10/13-10/14/07	7288455
	73	125	199	mg/L	101	0.50	MCAWW 300.0A	10/13-10/14/07	7288455
			Dilution Factor: 1						
			Analysis Time..: 05:42						

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate			WO#: J9MHG1CE-MS/J9MHG1CF-MSD				MS Lot-Sample #: D7J230243-001		
	3500	2500	6150 I	mg/L	107		MCAWW 300.0A	10/31/07	7305370
	3500	2500	6320 I	mg/L	114	2.8	MCAWW 300.0A	10/31/07	7305370
			Dilution Factor: 100						
			Analysis Time..: 18:35						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

I Estimated result. Result concentration exceeds the calibration range.

N Spiked analyte recovery is outside stated control limits.

* Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/12/07 10:50 **Date Received..:** 10/13/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Dissolved ortho-Phosphate		WO#: J8XT21CT-MS/J8XT21CU-MSD				MS Lot-Sample #: D7J130171-003	
	101	(80 - 120)			MCAWW 300.0A	10/13/07	7302475
	100	(80 - 120)	0.72	(0-20)	MCAWW 300.0A	10/13/07	7302475
		Dilution Factor: 1					
		Analysis Time..: 13:53					
Dissolved Bromide		WO#: J8XT21CJ-MS/J8XT21CK-MSD				MS Lot-Sample #: D7J130171-003	
	99	(80 - 120)			MCAWW 300.0A	10/13/07	7302471
	100	(80 - 120)	1.1	(0-20)	MCAWW 300.0A	10/13/07	7302471
		Dilution Factor: 1					
		Analysis Time..: 13:53					
Dissolved Chloride		WO#: J8XT21CL-MS/J8XT21CM-MSD				MS Lot-Sample #: D7J130171-003	
	99	(80 - 120)			MCAWW 300.0A	10/13/07	7302472
	100	(80 - 120)	0.48	(0-20)	MCAWW 300.0A	10/13/07	7302472
		Dilution Factor: 1					
		Analysis Time..: 13:53					
Dissolved Fluoride		WO#: J8XT21CX-MS/J8XT21C0-MSD				MS Lot-Sample #: D7J130171-003	
	95	(80 - 120)			MCAWW 300.0A	10/13/07	7302477
	96	(80 - 120)	0.85	(0-20)	MCAWW 300.0A	10/13/07	7302477
		Dilution Factor: 1					
		Analysis Time..: 13:53					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: HTA-27 **Matrix.....:** WATER
Date Sampled...: 10/12/07 10:50 **Date Received..:** 10/13/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Dissolved ortho-Phosphate			WO#: J8XT21CT-MS/J8XT21CU-MSD				MS Lot-Sample #: D7J130171-003		
	0.46	5.00	5.49	mg/L	101		MCAWW 300.0A	10/13/07	7302475
	0.46	5.00	5.45	mg/L	100	0.72	MCAWW 300.0A	10/13/07	7302475
			Dilution Factor: 1						
			Analysis Time..: 13:53						
Dissolved Bromide			WO#: J8XT21CJ-MS/J8XT21CK-MSD				MS Lot-Sample #: D7J130171-003		
	0.12	5.00	5.06	mg/L	99		MCAWW 300.0A	10/13/07	7302471
	0.12	5.00	5.12	mg/L	100	1.1	MCAWW 300.0A	10/13/07	7302471
			Dilution Factor: 1						
			Analysis Time..: 13:53						
Dissolved Chloride			WO#: J8XT21CL-MS/J8XT21CM-MSD				MS Lot-Sample #: D7J130171-003		
	27	25.0	52.0	mg/L	99		MCAWW 300.0A	10/13/07	7302472
	27	25.0	52.2	mg/L	100	0.48	MCAWW 300.0A	10/13/07	7302472
			Dilution Factor: 1						
			Analysis Time..: 13:53						
Dissolved Fluoride			WO#: J8XT21CX-MS/J8XT21C0-MSD				MS Lot-Sample #: D7J130171-003		
	0.49	5.00	5.23	mg/L	95		MCAWW 300.0A	10/13/07	7302477
	0.49	5.00	5.28	mg/L	96	0.85	MCAWW 300.0A	10/13/07	7302477
			Dilution Factor: 1						
			Analysis Time..: 13:53						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J78KK-SMP J78KK-DUP **Matrix.....:** WATER

Date Sampled...: 10/03/07 16:15 **Date Received..:** 10/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Fluoride						SD Lot-Sample #:	D7J040153-001	
	0.54 J	0.53 J	mg/L	1.5	(0-10)	MCAWW 300.0A	10/04/07	7278588
			Dilution Factor: 5			Analysis Time..: 12:03		
Chloride						SD Lot-Sample #:	D7J040153-001	
	340	340	mg/L	0.16	(0-10)	MCAWW 300.0A	10/04-10/05/07	7278587
			Dilution Factor: 10			Analysis Time..: 05:31		
Bromide						SD Lot-Sample #:	D7J040153-001	
	3.5	2.8	mg/L	22	(0-10)	MCAWW 300.0A	10/04/07	7278586
			Dilution Factor: 5			Analysis Time..: 12:03		
Phosphate as P, Ortho						SD Lot-Sample #:	D7J040153-001	
	ND	ND	mg/L	0	(0-10)	MCAWW 300.0A	10/04/07	7278592
			Dilution Factor: 5			Analysis Time..: 12:03		
Sulfate						SD Lot-Sample #:	D7J040153-001	
	5300	5200	mg/L	3.3	(0-10)	MCAWW 300.0A	10/04/07	7278591
			Dilution Factor: 200			Analysis Time..: 06:38		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result: result is less than RL and greater than or equal to the MDL.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J8CNL-SMP J8CNL-DUP **Matrix.....:** WATER

Date Sampled...: 10/04/07 09:50 **Date Received..:** 10/05/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Phosphate as P, Ortho						SD Lot-Sample #: D7J050194-004		
	ND	ND	mg/L	0	(0-10)	MCAWW 300.0A	10/05-10/06/07	7279122

Dilution Factor: 10 Analysis Time..: 08:55

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J78NV-SMP J78NV-DUP **Matrix.....:** WATER

Date Sampled...: 10/02/07 15:40 **Date Received..:** 10/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D7J040166-001	
	160 J	160	mg/L	0.0	(0-10)	MCAWW 310.1	10/05/07	7279141

Dilution Factor: 1 Analysis Time..: 09:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J7639-SMP J7639-DUP **Matrix.....:** WATER

Date Sampled...: 10/02/07 13:35 **Date Received..:** 10/03/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D7J030343-001	
	590	600	mg/L	0.51	(0-20)	MCAWW 160.1	10/08/07	7281480

Dilution Factor: 1 Analysis Time..: 18:20

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J78N7-SMP **Matrix.....:** WATER
J78N7-DUP
Date Sampled...: 10/02/07 17:20 **Date Received..:** 10/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D7J040166-002		
	640	650	mg/L	0.62	(0-20)	MCAWW 160.1	10/08/07	7281482

Dilution Factor: 1 Analysis Time..: 18:40

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J78P2-SMP J78P2-DUP **Matrix.....:** WATER

Date Sampled...: 10/03/07 10:20 **Date Received..:** 10/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D7J040166-017	
	200 J	210	mg/L	3.4	(0-10)	MCAWW 310.1	10/06/07	7282447

Dilution Factor: 1 Analysis Time..: 15:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J8CCM-SMP J8CCM-DUP **Matrix.....:** WATER

Date Sampled...: 10/02/07 12:40 **Date Received..:** 10/05/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D7J050164-001	
	170 J	170	mg/L	0.0	(0-10)	MCAWW 310.1	10/06/07	7282449

Dilution Factor: 1 Analysis Time..: 15:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J78PF-SMP **Matrix.....:** WATER
J78PF-DUP
Date Sampled...: 10/02/07 10:05 **Date Received..:** 10/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D7J040166-007	
	600 J	610	mg/L	2.0	(0-20)	MCAWW 160.1	10/09/07	7282618

Dilution Factor: 1 Analysis Time..: 17:15

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J78N9-SMP J78N9-DUP **Matrix.....:** WATER

Date Sampled...: 10/03/07 10:30 **Date Received..:** 10/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D7J040166-003	
	550	550	mg/L	0.36	(0-20)	MCAWW 160.1	10/09/07	7282619

Dilution Factor: 1 Analysis Time..: 17:40

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J8E1E-SMP J8E1E-DUP **Matrix.....:** WATER

Date Sampled...: 10/05/07 13:44 **Date Received..:** 10/06/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D7J060166-001	
	180 J	180	mg/L	0.0	(0-10)	MCAWW 310.1	10/09/07	7283437

Dilution Factor: 1 Analysis Time..: 18:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J78RN-SMP J78RN-DUP **Matrix.....:** WATER

Date Sampled...: 10/03/07 12:00 **Date Received..:** 10/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D7J040182-002		
	16000 Q	16000 Q	mg/L	2.0	(0-20)	MCAWW 160.1	10/10/07	7283631

Dilution Factor: 4 Analysis Time..: 17:30

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J795F-SMP J795F-DUP **Matrix.....:** WATER

Date Sampled...: 10/03/07 12:30 **Date Received..:** 10/04/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D7J040359-001	
	500	500	mg/L	0.20	(0-20)	MCAWW 160.1	10/10/07	7283632

Dilution Factor: 1 Analysis Time..: 18:15

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J8C4K-SMP J8C4K-DUP **Matrix.....:** WATER

Date Sampled...: 10/04/07 15:35 **Date Received..:** 10/05/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D7J050236-008		
	410	410	mg/L	0.0	(0-20)	MCAWW 160.1	10/11/07	7284603

Dilution Factor: 1 Analysis Time..: 14:40

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J8PMJ-SMP J8PMJ-DUP **Matrix.....:** WATER

Date Sampled...: 10/10/07 13:55 **Date Received..:** 10/11/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D7J110197-001	
	170	210	mg/L	21	(0-20)	MCAWW 160.1	10/16/07	7289571

Dilution Factor: 1 Analysis Time..: 14:10

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J82R8-SMP J82R8-DUP **Matrix.....:** WATER

Date Sampled...: 10/15/07 11:20 **Date Received..:** 10/16/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D7J160148-001	
	1600 J	1700	mg/L	3.0	(0-10)	MCAWW 310.1	10/17/07	7291487

Dilution Factor: 1 Analysis Time..: 19:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J8W1D-SMP J8W1D-DUP **Matrix.....:** WATER

Date Sampled...: 10/12/07 09:05 **Date Received..:** 10/12/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D7J120424-007	
	710	660	mg/L	8.3	(0-20)	MCAWW 160.1	10/18/07	7291638

Dilution Factor: 1 Analysis Time..: 21:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D7J040166 **Work Order #...:** J8X8R-SMP **Matrix.....:** WATER
J8X8R-DUP

Date Sampled...: 10/11/07 14:50 **Date Received..:** 10/13/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D7J130211-002	
	150 J	150	mg/L	0.0	(0-10)	MCAWW 310.1	10/18/07	7293109

Dilution Factor: 1 Analysis Time..: 17:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

2.5 IR2
10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT — Seal Number: 343956
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT — Airbill Number: 8595750774 19
	Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 2 2007	1540	HTA-45	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1720	HTA-16	"	5	"	"
OCT. 3 2007	1030	HTA-98	"	5	"	"

Additional Comments: Please batch all samples collected from WSMR during the week of 10-1-07.

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Frederick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	[illegible]	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

Site IRR
10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT — Seal Number: 253608
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT — Airbill Number: 859575077419
	Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 1 2007	1550	HTA-43	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1720	HTA-31	"	5	"	"
OCT. 3 2007	1340	HTA-50	"	5	"	"

Additional Comments: Please batch all samples collected from WSMR during the week of 10-1-07.

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	Amy Bindel	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

5.0C IR2
DB 10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 484800
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 8595750 7419
	Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 2 2007	1005	HTA-34	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1124	HTA-12	"	5	"	"
"	1240	HTA-10A	"	5	"	"

Additional Comments: Please batch all WSMR samples collected during the week of 10-1-07.

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredind G. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	Amy Bindell	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

d.TC JRJ
RB 10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader: Fred Gebhardt (505) 980-8846

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: FRED GEBHARDT

Seal Number: 555674

Delivered to Shipper by: FRED GEBHARDT

Airbill Number: 8595 75077

Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 2 2007	1400	HTA - 39	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
	1450	HTA - 40	"	5	"	"
	1530	HTA - 40EB	ULTRA PURE WATER	5	"	EQUIPMENT BLAN

Additional Comments: Please batch all WSMR samples collected during the week of 10/1/07

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
Fred G. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800
	Amy Bindl	10/4/07	0900

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
TestAmerica Laboratories
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0103

Attention: Lisa Antonczak

Seal Intact upon Receipt: ☐ Yes ☐ No

Condition of Contents

Contents Temperature

Laboratory Project Number

April 2008

2.4°C IR2
WB 10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 555294
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 859575077 4A
	Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 1 2007	1430	HTA-46	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
OCT 2 2007	1355	HTA-42	"	5	"	"
"	1645	HTA-17	"	5	"	"

Additional Comments: Please batch all WSMR samples collected during the week of 10-1-07.

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	Aaron Bindel	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

JA2
10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT — Seal Number: 343966
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT — Airbill Number: 859575077419
	Sampling Status: ☐ Done ☐ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 3 2007	1015	HTA-15	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1020	HTA-99	"	5	"	"
"	1025	HTA-4	"	5	"	"

Additional Comments: Please batch all WSMR samples collected during the week of 10-1-07.

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	Amy Binsell	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

~1.0 C IR2
JB 10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT — Seal Number: 343906
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT — Airbill Number: 859575077419
	Sampling Status: [ ] Done [X] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 2 2007	1425	HTA-23	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1535	HTA-13	"	5	"	"
OCT 3 2007	1115	HTA-16 D	"	5	"	"

Additional Comments: Please batch all samples collected from WSMR during the week of 10-1-07.

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt [ ] Yes [ ] No
Frederick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	[signature]	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

2.1c IR2
10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT — Seal Number: 556244
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT — Airbill Number: 859575077419
	Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 2 2007	1435	HTA-11	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1620	HTA-20	"	5	"	"
"	1735	HTA-25	"	5	"	"

Additional Comments

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Frederick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	Gary Bimall	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

IRC 08 IR2 10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 484820
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 859575677419
	Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 1 2007	1435	HTA-35	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1550	HTA-44	"	5	"	"
"	1635	HTA-30	"	5	"	"

Additional Comments: Please batch all WSMR samples collected during the week of 10/1/07

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick G. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	Darren Bindell	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

3.7°C IRL 10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 555284
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 859757507419
	Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 3 2007	1125	HTA-41	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1220	HTA-19	"	5	"	"
"	1320	HTA-18	"	5	"	"

Additional Comments: Please batch all samples collected from WSMR on the week of 10-1-07

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	[illegible]	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

1.9c IR2
10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 484810
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 859575077419
	Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 3 2007	1205	HTA-47A	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1300	HTA-51	"	5	"	"
"	1400	HTA-27	"	5	"	"

Additional Comments: PLEASE BATCH WSMR SAMPLES COLLECTED DURING THE WEEK OF 10-1-07

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	Aaron Bindel	10/4/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

1.5°C IR 2
10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number
White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location
Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader
Fred Gebhardt (505) 980-8846

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: FRED GEBHARDT
Seal Number: 343946
Delivered to Shipper by: FRED GEBHARDT
Airbill Number: 859575077419
Sampling Status: ☐ Done ☒ Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 2 2007	1230	HTA-37	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1310	HTA-36	"	5	"	"
OCT 3 2007	1020	HTA-~~1020~~ 48	"	5	"	"

Additional Comments: Please batch all WSMR samples collected during the week of 10-1-07.

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800
	[signature]	10/4/07	0900

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
TestAmerica Laboratories
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0103

Attention: Lisa Antonczak

Seal Intact upon Receipt: ☐ Yes ☐ No
Condition of Contents:
Contents Temperature:
Laboratory Project Number:

April 2008

2.8°C IR2
10/4/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number	PACKING AND SHIPPING DETAILS	
White Sands Missile Range, Ground Water Sampling (86369KY11)	Packed and Sealed for Shipping by: FRED GEBHARDT	Seal Number: 451618
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Delivered to Shipper by: FRED GEBHARDT	Airbill Number: 859575077419
Team Leader: Fred Gebhardt (505) 980-8846	Sampling Status: ☐ Done ☒ Continuing	

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 2 2007	1015	HTA-33	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1140	EMRE-1	"	5	"	"
"	1150	HTA-38	"	5	"	"

Additional Comments: Please batch all WSMR samples collected during the week of 10-1-07.

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt ☐ Yes ☐ No
Fredrick E. Gebhardt	TO FEDERAL EXPRESS	10/3/07	1800	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	Aaron Burrell	10/2/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

1,4E
KB IR1
10/5/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 059514
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 8595 7507 7430
	Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 02 2007	1240	EMRE 2	WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
10/03/07	1425	HTA-22	"	"	" "	" "
10/03/07	1540	HTA-21	"	"	" "	" "

Additional Comments: PLEASE BATCH ALL SAMPLES COLLECTED AT WSMR DURING THE WEEK OF 10/01/07

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt [ ] Yes [ ] No
[signature]	FEDEX	10/04/07	1730	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	[signature]	10/5/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

AB 2.98 10/5/07 IR1

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader: Fred Gebhardt (505) 980-8846

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: FRED GEBHARDT

Seal Number: 059504 ~~[illegible]~~

Delivered to Shipper by: FRED GEBHARDT

Airbill Number: 8595 7507 7430

Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 04 2007	1405	HTAWM	WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1405	HTAWM-MS	"	"	" "	MATRIX SPIKE
"	1405	~~[illegible]~~ HTAWM-MSD	"	"	" "	MATRIX SPIKE DUPLICATE

Additional Comments: PLEASE BATCH ALL SAMPLES COLLECTED AT WSMR DURING THE WEEK OF 10/01/07

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
[signature]	FEDEX	10/04/07	1730
	[signature]	10/5/07	0900

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory: TestAmerica Laboratories, 4955 Yarrow Street, Arvada, CO 80002, ph: (303) 736-0103, Attention: Lisa Antonczak

Seal Intact upon Receipt: [ ] Yes [ ] No

Condition of Contents

Contents Temperature

Laboratory Project Number

April 2008

3.6°C
10/5/07 IR1

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
	Packed and Sealed for Shipping by: FRED GEBHARDT — Seal Number: 135530
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Delivered to Shipper by: FRED GEBHARDT — Airbill Number: 8595 7507 7430
Team Leader: Fred Gebhardt (505) 980-8846	Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 04 2007	1035	HTA-14	WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	0910	SMR 1A	"	"	" "	" "
"	1140	HTA-24	"	"	" "	" "

Additional Comments: PLEASE BATCH ALL WSMR SAMPLES COLLECTED DURING THE WEEK OF 10/01/07

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt [ ] Yes [ ] No
[signature]	FEDEX	10/04/07	1730	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	[signature]	10/5/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

D.S.C
MB 10/05/07 IP1

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 135515
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 8595 7507 7430
	Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 04 2007	1240	HTA-5	WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1345	BONNEY SPRING	"	"	" " "	" "
"	1200	MARKHAM SPRING	"	"	" " "	" "

Additional Comments: PLEASE BATCH ALL SAMPLES COLLECTED AT WSMR DURING THE WEEK OF 10/01/07

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt [ ] Yes [ ] No
[signature]	FEDEX	10/4/07	1730	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	[signature]	10/5/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

→ 2.9° IR
KB 10/5/07

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Packed and Sealed for Shipping by: FRED GEBHARDT; Seal Number: 125343
Team Leader: Fred Gebhardt (505) 980-8846	Delivered to Shipper by: FRED GEBHARDT; Airbill Number: 8595 7507 7430
	Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 04 2007	1000	HTA-26	~~[illegible]~~ WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1110	HTA-29	~~[illegible]~~ "	5	" " "	" " "

Additional Comments: PLEASE BATCH ALL SAMPLES COLLECTED AT WSMR DURING 10/01/07

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt [ ] Yes [ ] No
[signature]	FEDEX	10/04/07	1130	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	[signature]	10/5/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

1.9°C

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)	PACKING AND SHIPPING DETAILS
	Packed and Sealed for Shipping by: FRED GEBHARDT — Seal Number: 059524
Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)	Delivered to Shipper by: FRED GEBHARDT — Airbill Number: 8595 7507 7430
Team Leader: Fred Gebhardt (505) 980-8846	Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 03 2007	1330	HTA-32	WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1215	HTA-28	"	"	" " "	" "
"	1435	HTA-3	"	"	" " "	" "

Additional Comments: PLEASE BATCH ALL SAMPLES COLLECTED AT WSMR DURING THE WEEK OF 10/01/07

CHAIN OF CUSTODY RECORD				LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER	
Relinquished by (signed)	Received by (signed)	Date	Time	Analytical Laboratory	Seal Intact upon Receipt [ ] Yes [ ] No
[signature]	FEDEX	10/01/07	1730	TestAmerica Laboratories 4955 Yarrow Street Arvada, CO 80002 ph: (303) 736-0103 Attention: Lisa Antonczak	Condition of Contents
	[signature]	10/5/07	0900		Contents Temperature
					Laboratory Project Number

April 2008

9.6 10/13/07

APBQR

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, NEW MEXICO DISTRICT
ANALYTICAL REQUEST/CHAIN OF CUSTODY

Project Name & Number: White Sands Missile Range, Ground Water Sampling (86369KY11)

Sampling Location: Hazardous Test Area (HTA) -- Open Burn / Open Detonation Area (OB/OD)

Team Leader: Fred Gebhardt (505) 980-8846

PACKING AND SHIPPING DETAILS

Packed and Sealed for Shipping by: F. GEBHARDT

Seal Number: 451708

Delivered to Shipper by: F. GEBHARDT

Airbill Number: 8595 7507 7544

Sampling Status: [X] Done [ ] Continuing

Sample Date	Sample Time	Field Sample Number	Sample Type	No. of Containers	Analytical Methods (Parameters)	Remarks
Oct. 10, 2007	1410	SMR2	GROUND WATER	5	E353.2(NO_2 + NO_3), 300.0A(anions), 160.1(TDS), 310.1(Alk), 6010B(ICP scan), 6020(ICP/MS scan), 7470A(Merc), 8330 (Exp), 6860 (Perc)	ENVIRONMENTAL SAMPLE
"	1530	SMR4	"	5	"	"
10/10/07	1225	SMR3	"	5	"	"

Additional Comments

CHAIN OF CUSTODY RECORD

Relinquished by (signed)	Received by (signed)	Date	Time
Fredrick E. Gebhardt	TO FED EX	10/12/07	1500
	Aaron Bindel	10/13	0900

LABORATORY LOG-IN OF SAMPLE SHIPPING CONTAINER

Analytical Laboratory:
TestAmerica Laboratories
4955 Yarrow Street
Arvada, CO 80002
ph: (303) 736-0103

Attention: Lisa Antonczak

Seal Intact upon Receipt: [ ] Yes [ ] No

Condition of Contents

Contents Temperature

Laboratory Project Number

April 2008

TestAmerica Denver

Sample Receiving Checklist

Lot #: D7J040166 Date/Time Received: 10/4/07 0900

Company Name & Sampling Site: USGS White Sands HTA

PM to Complete This Section: *Yes* *No* *Yes* *No*

Residual chlorine check required: o X Quarantined : o X

Quote #: 24783-A

Special Instructions:

Time Zone:

• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

Unpacking Checks:

Cooler #(s): 13

Temperatures (°C): 2.8 1.5 1.9 5.7 1.7 2.1 4.0 1.7 2.4 2.9 3.5 3.7 2.3

N/A	*Yes*	*No*		*Initials*
o	✓	o	1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.	
	✓	o	2. Chain of custody present? If no, document on CUR.	
	o	✓	3. Bottles broken and/or are leaking? If yes, document on CUR.	
	o	✓	4. Multiphasic samples obvious? If yes, document on CUR.	
	o	o	5. Proper container & preservatives used? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR.	
o	o	o	6. pH of all samples checked and meet requirements? If no, document on CUR.	
	o	o	7. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
	✓	o	8. Did chain of custody agree with labels ID and samples received? If no, document on CUR.	
o	o	o	9. Were VOA samples without headspace? If no, document on CUR.	
o	o	o	10. Were VOA vials preserved? Preservative oHCl o4±2°C oSodium Thiosulfate o Ascorbic Acid	
	o	✓	11. Did samples require preservation with sodium thiosulfate?	
o	o	o	12. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.	
o	o	o	13. Sediment present in dissolved/filtered bottles? If yes, document on CUR.	
o	o	o	14. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	✓	o	15. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.	
	✓	o	16. Are analyses with short holding times requested?	
	o	✓	17. Was a quick Turn Around (TAT) requested?	

TestAmerica Denver

Sample Receiving Checklist

Lot # D7J0401660

Login Checks:

Initials AB

N/A	Yes	No		
	✓	o	18.	Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.
✓	o	o	19.	Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.
	✓	o	20.	Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?
o	✓	o	21.	Were special log in instructions read and followed?
✓	o	o	22.	Were AFCEE metals logged for refrigerated storage?
	✓	o	23.	Were tests logged checked against the COC? Which samples were confirmed? 1
✓	o	o	24.	Was a Rush form completed for quick TAT?
o	✓	o	25.	Was a Short Hold form completed for any short holds?
	✓	o	26.	Were special archiving instructions indicated in the General Comments? If so, what were they?

90 days, 180 for mtls

Labeling and Storage Checks:

Initials CP

✓	o	o	28.	Was the subcontract COC signed and sent with samples to bottle prep?
	✓	o	29.	Were sample labels double-checked by a second person?
✓	✓	o	30.	Were sample bottles and COC double checked for dissolved/filtered metals by a second person?
	✓	o	31.	Did the sample ID, Date, and Time from label match what was logged?
✓	o	o	32.	Were stickers for special archiving instructions affixed to each box and to the ICOC? See #27
✓	o	o	33.	Were AFCEE metals stored refrigerated?

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

TestAmerica Denver

Sample Receiving Checklist

Lot #: D7J050164 Date/Time Received: 10/5/07 0900

Company Name & Sampling Site: USGS White Sands HTA

PM to Complete This Section: *Yes* *No*

Residual chlorine check required: o ✗

Quarantined : *Yes* o *No* ✗

Quote #: 24783-A

Special Instructions:

Time Zone:

• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

Unpacking Checks:

Cooler #(s):								
Temperatures (°C):	1.4	2.9	3.6	3.8	2.9	1.9		

N/A	*Yes*	*No*		*Initials*
o	✓	o	1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.	
	✓	o	2. Chain of custody present? If no, document on CUR.	
	o	✓	3. Bottles broken and/or are leaking? If yes, document on CUR.	
	o	✓	4. Multiphasic samples obvious? If yes, document on CUR.	
	✓	o	5. Proper container & preservatives used? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR.	
o	o	o	6. pH of all samples checked and meet requirements? If no, document on CUR.	
	✓	o	7. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
	✓	o	8. Did chain of custody agree with labels ID and samples received? If no, document on CUR.	
✓	o	o	9. Were VOA samples without headspace? If no, document on CUR.	
✓	o	o	10. Were VOA vials preserved? Preservative oHCl o4±2°C oSodium Thiosulfate o Ascorbic Acid	
	o	✓	11. Did samples require preservation with sodium thiosulfate?	
✓	o	o	12. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.	
✓	o	o	13. Sediment present in dissolved/filtered bottles? If yes, document on CUR.	
o	✓	o	14. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	✓	o	15. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.	
	✓	o	16. Are analyses with short holding times requested?	
	o	✓	17. Was a quick Turn Around (TAT) requested?	

TestAmerica Denver

Sample Receiving Checklist

Lot # D7J050164

Login Checks:

Initials AB

N/A	Yes	No		
	✓	o	18.	Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.
o	✓	o	19.	Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.
	✓	o	20.	Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?
o	✓	o	21.	Were special log in instructions read and followed?
✓	o	o	22.	Were AFCEE metals logged for refrigerated storage?
	✓	o	23.	Were tests logged checked against the COC? Which samples were confirmed? 1
✓	o	o	24.	Was a Rush form completed for quick TAT?
o	✓	o	25.	Was a Short Hold form completed for any short holds?
	✓ Yes	✗	26.	Were special archiving instructions indicated in the General Comments? If so, what were they?

90 days

Labeling and Storage Checks:

Initials [illegible]

✓	o	o	28.	Was the subcontract COC signed and sent with samples to bottle prep?
	✓	o	29.	Were sample labels double-checked by a second person?
✓	o	o	30.	Were sample bottles and COC double checked for dissolved/filtered metals by a second person?
	✓	o	31.	Did the sample ID, Date, and Time from label match what was logged?
✓	o	o	32.	Were stickers for special archiving instructions affixed to each box and to the ICOC? See #27
✓	o	o	33.	Were AFCEE metals stored refrigerated?

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

TestAmerica Denver

Sample Receiving Checklist

Lot #: D7J1300200 Date/Time Received: 10/13/07 0900

Company Name & Sampling Site: USGS White Sands HTA 8636-9KY11

PM to Complete This Section: *Yes* *No* *Yes* *No*

Residual chlorine check required: o X Quarantined : o X

Quote #: 24783-A

Special Instructions:

Time Zone:

• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

Unpacking Checks:

Cooler #(s): 1

Temperatures (°C): 4.6

N/A	*Yes*	*No*		*Initials*
o	✓	o	1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.	
	✓	o	2. Chain of custody present? If no, document on CUR.	
	o	✓	3. Bottles broken and/or are leaking? If yes, document on CUR.	
	o	✓	4. Multiphasic samples obvious? If yes, document on CUR.	
	✓	o	5. Proper container & preservatives used? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR.	
o	✓	o	6. pH of all samples checked and meet requirements? If no, document on CUR.	
	✓	o	7. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
	✓	o	8. Did chain of custody agree with labels ID and samples received? If no, document on CUR.	
✓	o	o	9. Were VOA samples without headspace? If no, document on CUR.	
✓	o	o	10. Were VOA vials preserved? Preservative oHCl o4±2°C oSodium Thiosulfate o Ascorbic Acid	
	o	✓	11. Did samples require preservation with sodium thiosulfate?	
✓	o	o	12. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.	
✓	o	o	13. Sediment present in dissolved/filtered bottles? If yes, document on CUR.	
o	o	o	14. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	o	✓	15. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.	
	o	✓	16. Are analyses with short holding times requested?	
	o	✓	17. Was a quick Turn Around (TAT) requested?	

TestAmerica Denver

Sample Receiving Checklist

Lot # D7J130200

Login Checks:

N/A	Yes	No		Initials
	✓	o	18. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DEN-QA-0003) If no, document on CUR, and contact PM before proceeding.	
✓	o	o	19. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	✓	o	20. Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?	
o	✓	o	21. Were special log in instructions read and followed?	
✓	o	o	22. Were AFCEE metals logged for refrigerated storage?	
	✓	o	23. Were tests logged checked against the COC? Which samples were confirmed? 1	
✓	o	o	24. Was a Rush form completed for quick TAT?	
✓	o	o	25. Was a Short Hold form completed for any short holds?	
	o	✓	26. Were special archiving instructions indicated in the General Comments? If so, what were they?	

90 days

Labeling and Storage Checks:

				Initials
✓	o	o	28. Was the subcontract COC signed and sent with samples to bottle prep?	
	✓	o	29. Were sample labels double-checked by a second person?	
✓	o	o	30. Were sample bottles and COC double checked for dissolved/filtered metals by a second person?	
	✓	o	31. Did the sample ID, Date, and Time from label match what was logged?	
o	✓	o	32. Were stickers for special archiving instructions affixed to each box and to the ICOC? See #27	
✓	o	o	33. Were AFCEE metals stored refrigerated?	

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

APPENDIX II

Laboratory Quality Assurance / Quality Control Results

LABORATORY DATA VALIDATION CHECKLIST

SECTION 1.0: GENERAL INFORMATION (also see Appendix A)

Data reviewer(s) name, affiliation, title, signature, and date of review:

Fredrick Gebhardt, USGS-WRD, Hydrologic Technician March 24, 2008

Data Inventory

1.1 Sample project numbers: TestAmerica No's D7J040166, D7J050164, and D7J130200

1.2 Operable unit and site: Open Burn/Open Detonation (OB/OD) Unit, Hazardous Test Area (HTA) site

1.3 Sample collection date: October 1, 2, 3, 4, 10, and 11, 2007

Sample locations (location IDs): HTA3, HTA4, HTA5, HTA10A, HTA11 through HTA46, HTA16D, HTA47A, HTA48, HTA50, HTA51, EMRE1, EMRE2, SMR1A, SMR2, SMR3, SMR4, HTAWindmill, Bonney Spring, Markam Spring; HTA98 and HTA99 are field duplicate samples, and HTA40-EB is an equipment blank.

1.4 Sample matrix (ground water, soil, other): ground water

1.5 Type and number of field samples (environmental and quality control) in sample project:

Type	**number**	**Type**	**number**
environmental	54	MS/MSD	1 pair
field duplicate	2	trip blank	0
equipment blank	1	ambient blank	0

Data validation level: note--see appendix A for description of different levels

LEVEL 1

SECTION 2.0: DATA REPORTS AND COMPLETENESS

Name of reviewer(s) and review date: Fredrick Gebhardt March 24, 2008

Laboratory Data Reports

2.1 Analytical Results Report--report date: November 16, 2007

2.2 Raw Data Report--number of volumes: Raw data not reviewed

2.3 Was completeness of lab reports acceptable? Yes √ No _____

(overview, analytical results, quality-control report)

Data Completeness

2.4 Were all samples requested on chain of custody form analyzed by lab? Yes √ No _____

	Explosives	Metals	General Chem.	Perchlorate
requested:	57	57	57	57
analyzed:	57	57	57	57

2.5 List cancelled analyses on cancelled-data worksheet: None

2.6 Were sample cooler seals intact upon receipt by lab? Yes

2.7 What were the sample cooler temperatures upon receipt by lab?
1.4 – 4.6 °C at TestAmerica Laboratories

2.8 Additional comments: None

SECTION 3.0: DATA VALIDATION REVIEW

In the following table (Table II-1), the resulting data from the October 1, 2, 3, 4, 10, and 11, 2007, sampling round is reviewed for the following data validation parameters: holding times, surrogate spike recovery, field duplicates, equipment blanks, lab control samples, lab method blanks, matrix spike and duplicates, and results over the reporting limits with qualifiers. Data validation parameters are reviewed for compliance with individual requirements for each parameter specific to the individual analyses of explosives (method SW8330); metals (methods SW6020 and SW6010B); mercury (method SW7470A); bromide, chloride, fluoride, sulfate, and orthophosphate by method MCAWW300.0A; dissolved solids (method MCAWW160.1); alkalinity (method SW310.1); nitrate plus nitrite (method MCAWW353.2); and perchlorate (method SW6860).

Table II-1. Data validation worksheet table for October 1, 2, 3, 4, 10, and 11, 2007, sampling round at HTA – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992).

Data Validation Parameters	Explosives SW8330	Metals SW6010B/SW6020	Mercury SW7470A
Holding times **Met**	7 days to extract, 40-days from extraction to analysis ☐ Yes ☑ No, see notes	180-day limit ☑ Yes ☐ No, see notes	28-day limit ☑ Yes ☐ No, see notes
Surrogate Spike Recovery **Met**	% Recovery (R) varies for surrogates ☑ Yes ☐ No, see notes	Not Applicable	Not Applicable
Field Duplicates **Met**	Relative Percent Difference (RPD) < 30% ☑ Yes ☐ No, see notes	RPD < 30% ☑ Yes ☐ No, see notes	RPD < 30% ☑ Yes ☐ No, see notes
Equipment Blanks **Met**	≤ 3 X Reporting Limit (RL) ☑ Yes ☐ No, see notes	≤ 2 X RL ☑ Yes ☐ No, see notes	≤ 2 X RL ☑ Yes ☐ No, see notes
Lab Control Samples **Met**	% R and RPD within 3 Standard Deviations (SD) of historical performance ☑ Yes ☐ No, see notes	% R and RPD within 3 SD of historical performance ☑ Yes ☐ No, see notes	%R and RPD within 3 SD of historical performance ☑ Yes ☐ No, see notes
Lab Method Blanks **Met**	≤ RL, except for common lab contaminants, then < 5 X RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes
Matrix Spike and Duplicates **Met**	Met various % R and RPD requirements ☑ Yes ☐ No, see notes	% R within 3 SD of historical performance ☑ Yes ☐ No, see notes	% R within 3 SD of historical performance ☑ Yes ☐ No, see notes
Results over RL with Qualifiers	The sample from well HTA37 had more than 40% RPD of 2-Amino-4,6-dinitrotoluene between the primary and confirmation detector results.	The associated method blank contained **Al** in SMR2; **Co** in HTA10A, 11, 15, 16, 16D, 17, 20, 25 and 99; **Fe** in HTA5, 14, 24, HTAWM, Bonney Spring, and Markham Spring; **Pb** in SMR3, and SMR4; **Se** in HTA10A and 44; **Zn** in HTA3, 11, 14, 20, 25, 50, HTAWM, SMR1A, SMR3, Bonney Spring, and Markham Spring; at a reportable level. Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences of **Fe** are present in SMR2, SMR3 and SMR4.	None.

Table II-1. Data validation worksheet table for October 1, 2, 3, 4, 10, and 11, 2007, sampling round at HTA – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992) - continued.

Data Validation Parameters	**Anions (including Bromide, Chloride, Fluoride, and Orthophosphate, and Sulfate) by Method MCAWW300.0A**	**Total Dissolved Solids MCAWW160.1**	**Alkalinity MCAWW310.1**
Holding times	28-day limit	7-day limit	14-day limit
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Surrogate Spike Recovery	Not Applicable	Not Applicable	Not Applicable
Met			
Field Duplicates	RPD < 30%	RPD < 30%	RPD < 20%
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Equipment Blanks	≤ RL	≤ 2 X RL	≤ RL
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Lab Control Samples	% R within 3 SD of historical performance	% R within 3 SD of historical performance	% R and RPD within 3 SD of historical performance
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Lab Method Blanks	≤ RL	≤ RL	≤ RL
Met	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes	☑ Yes ☐ No, see notes
Matrix Spike and Duplicates	% R within 3 SD of historical performance	% R within 3 SD of historical performance	% R within 3 SD of historical performance
Met	☐ Yes ☑ No, see notes	☐ Yes ☑ No, see notes	☑ Yes ☐ No, see notes
Results over RL with Qualifiers	The reporting limit is elevated due to high sulfate levels in HTA3, 4, 5, 10A, 11 - 46, 16D, 47A, 48, 50, 51, 98, 99, HTAWM, EMRE1, EMRE2, SMR1A, SMR2, SMR3, SMR4, Bonney Spring, and Markham Spring; and high chloride levels in HTA15, 16, 16D, and 99. The associated method blank contained sulfate at reportable levels in HTA5, 14, 24, 26, 28, 29, HTAWM, EMRE2, SMR1A, SMR3, Bonney Spring, and Markham Spring; and chloride at a reportable level in HTA11, 13, 16, 17, 20, 23, 25, 33, 36 - 40, 42, 45, 48, EMRE1	The associated method blank contained total dissolved solids at a reportable level in HTA10A, 11, 12, 13, 17, 20, 23, 25, 33, 34, 36, 37, 38, 39, 40, 42, EMRE1,	The associated method blank contained alkalinity at a reportable level in HTA3, 4, 5, 10A, 11 - 46, 16D, 47A, 48, 50, 51, 98, 99, HTAWM, EMRE1, EMRE2, SMR1A, SMR2, SMR3, SMR4, Bonney Spring, Markham Spring

Table II-1. Data validation worksheet table for October 1, 2, 3, 4, 10, and 11, 2007, sampling round at HTA – validation parameters, analytes, and methods (USEPA, 1994a; USEPA, 1994b; USGS, 1992) - continued.

Data Validation Parameters	**Nitrate-Nitrite MCAWW353.2**	**Perchlorate SW6860**
Holding times **Met**	28-day limit ☑ Yes ☐ No, see notes	28-day limit ☑ Yes ☐ No, see notes
Surrogate Spike Recovery **Met**	Not Applicable	Not Applicable
Field Duplicates **Met**	RPD < 30% ☑ Yes ☐ No, see notes	RPD < 30% ☑ Yes ☐ No, see notes
Equipment Blanks **Met**	≤ 2 X RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes
Lab Control Samples **Met**	%R within 3 SD of historical performance ☑ Yes ☐ No, see notes	%R within 3 SD of historical performance ☑ Yes ☐ No, see notes
Lab Method Blanks **Met**	≤ RL ☑ Yes ☐ No, see notes	≤ RL ☑ Yes ☐ No, see notes
Matrix Spike and Duplicates **Met**	%R within 3 SD of historical performance ☑ Yes ☐ No, see notes	%R within 3 SD of historical performance ☑ Yes ☐ No, see notes
Results over RL with Qualifiers	The reporting limit is elevated due to high nitrate-nitrite levels in HTA10A, 11, 14, 15, 16, 16D, 17, 18, 19, 20, 21, 22, 28, 32, 99	None.

Table II-2. Data validation worksheet table for October 1, 2, 3, 4, 10, and 11, 2007, sampling round at HTA- notes.

Analyte and Method:	**Notes of Data Validation Parameters:**
Explosives SW8330	-HTA30, 36, 37, 41, 43 and 44 did not meet extraction holding time.
Metals SW6020/SW6010B	-None
Mercury SW7470A	-None
Anions (including Bromide, Chloride, Fluoride, and Ortho-phosphate, and Sulfate) by Method MCAWW300.0A	-One spiked chlorine, fluorine and sulfate sample, and all the orthophosphate sample recoveries were outside stated control limits. -Several resulting chlorine and sulfate spiked concentrations exceeded the calibration range. -One fluorine sample and all orthophosphate samples' relative percent difference (RPD) was outside stated control limits.
Total Dissolved Solids MCAWW160.1	-One Total Dissolved Solids sample duplicate was outside stated RPD limits
Alkalinity MCAWW310.1	-None
Nitrate-Nitrite MCAWW353.2	-None
Perchlorate SW6860	-None

Appendix A -- Laboratory Data Validation Checklist

Instruction Notes for the Data Validation Checklist

This data validation checklist will be used when validating the chemical analytical results. Data validation is a systematic and independent verification of data quality and consists of checking, verifying, evaluating, and qualifying the chemical analytical results.

Two different levels of data validation are used with level I being not as detailed or as rigorous as level II. Level I data validation includes: (1) checking holding times limits, (2) evaluating the results of field and laboratory quality-control (QC) samples such as field replicates, matrix spikes, surrogate samples, and duplicate control samples, and (3) checking that contamination during sample processing has not occurred in QC blanks such as equipment, method, ambient, and trip blanks. Most of the information and data used to conduct a level I data validation is contained in the summary-data reports prepared by the reporting laboratory. Level II data validation includes all the level I guidelines plus using the raw-data reports prepared by the reporting laboratory to: (1) check that the laboratory instruments have been properly tuned and calibrated, and (2) verify that selected sample results do not have any omissions, problems, discrepancies, transcription errors, and reduction (dilution, conversion) errors.

Field samples (environmental and QC) are processed and analyzed by the reporting laboratory in specific groups of samples called sample projects (also called sample cases). A sample project usually consists of 20 or fewer samples that are collected from one or more sampling locations (monitoring well) in a given sampling period. Numerous laboratory QC samples also are analyzed with the field samples for each sample project.

This data validation checklist is designed to be used when validating the analytical results for a given sample project and it has a multi-level organization. The first part of the checklist contains general information (section 1.0) about the scope (who, when, how, and what) of the data validation and data reports and completeness (section 2.0) for each sample project. Sections 1.0 and 2.0 will be completed and included with all data validation checklists. The data validation checklist also contains numerous supplemental sections that are listed at the bottom of the first page of this document. These supplemental checklist sections are used for specific analytical methods and will be marked with a checkmark (√) when they are completed for a given sample project. Specific project-required frequency and QC acceptance criteria and pertinent reference page numbers are listed with most of the checklist items. The major data-validation references are the USEPA guidance documents (USEPA 1994).

References

USEPA, 1994a, USEPA Contract laboratory program national functional guidelines for organic data review, February 1994, Publication 9240.1-05, Document number PB94-963501, 124 p.

USEPA, 1994b, USEPA contract laboratory program national functional guidelines for inorganic data review, February 1994, Publication 9240.1-05-01, Document number PB94-963502, 42 p.

USGS, 1992, Laboratory data validation checklist: Wyoming District, U.S. Geological Survey checklist prepared for the U.S. Air Force, multiple pages.

APPENDIX III

Container and Preservation Requirements

Field Data

Sample container and preservation requirements

Parameters and Methods	Bottle Size and Type	Preservatives
Explosive compounds, SW8330	32 oz. glass	None, Chilled
Metals SW6020 and SW6010B	500 mL polyethylene	10 ml 20% Nitric Acid, pH <2,Chilled
Mercury SW7470A	500 mL polyethylene	10 ml 20% Nitric Acid, pH <2,Chilled
Anions (including Bromide, Chloride, Fluoride, Orthophosphate, and Sulfate) MCAWW300.0A	1 L polyethylene	None, Chilled
Total Dissolved Solids MCAWW160.1	1 L polyethylene	None, Chilled
Alkalinity SW310.1	1 L polyethylene	None, Chilled
Nitrate plus Nitrite, MCAWW353.2	16 oz. glass	2 mL 50% Sulfuric Acid, pH<2, Chilled
Perchlorate, SW8321A	125 mL polyethylene	None, Chilled

OCTOBER 1, 2007

TEAM A- ANDREW ROBERTSON

1100- ARRIVE AT HTA

CALIBRATION:

1) COND: ORION 130A, SN 067526
1-PT MANUAL CAL WITH 750 µS/cm STD
STD= LOT # 1511578, EXP 11/07
INITIAL= 747 ADJ= CAL= 0.473

2) pH ORION 250A+

STDS	4.00	7.01	10.01
LOT	1705032	17314	160472
EXP	APR 2009	APR 2009	OCT 07
INITIAL	4.06	7.04	9.94
FINAL	4.01	7.01	10.04
SLOPE	97.1		

3) DO

ALTITUDE: 5400
SALINITY: 1.0 ppt

10/1/07

HTA 46

1310 ARRIVE @ HTA 46 WL = 87.11

TIME	VOL	T (°C)	pH	COND (uS/cm)	DO (mg/L)
1337	INITIAL	23.0	7.06	839	1.74
1350	5	21.1	7.40	858	SMELLS LIKE BRIMSTONE 0.04
1402	10	21.0	7.40	849	0.04
1416	15	21.2	7.41	851	0.05
1429	20	21.2	7.41	848	0.05

1430 COLLECTED ENVIRO SAMPLE HTA-46 (METALS, TDS, PERC, NO3, AND EXPLOSIVE)

HTA-43

1457 ARRIVE @ HTA-43 WL = 73.65

START 1600 PSI

TIME	VOL	T (°C)	pH	COND (uS/cm)	DO (mg/L)
1504	INITIAL	21.9	7.39	896	4.47
1516	5	21.5	7.36	898	4.50
1527	10	21.4	7.35	898	4.49
1538	15	21.5	7.34	898	4.46
1549	20	21.4	7.34	898	4.44

1550 COLLECTED ENVIRO SAMPLE HTA-43 (METALS, NO3, PERC, TDS, AND EXPL.)

10/1/07

HTA-31

1645 purge @ HTA-31 w.l. = 45.81'

TIME	VOL	T (°C)	pH	cond (µS/cm)	DO (mg/L)
1647	INITIAL	21.5	7.26	911	3.37
1654	5	20.5	7.20	915	2.64
1701	10	20.5	7.20	915	2.57
1709	15	20.4	7.20	916	2.55
1713	20	20.4	7.20	916	2.55

10/2/07

0800 ARRIVE @ STAGING AREA

0815 CALIBRATED INSTRUMENTS

pH ORION 250A+ S/N 018141

BUFFERS	4.01	7.00	10.01
INITIAL	4.00	7.00	10.08
FINAL	4.01	7.01	10.05
SLOPE	97.8%		

COND ORION 130A S/N 1607234

STD 1000 µS/cm

INITIAL 1000 µS

FINAL 1000 µS

CELL CNST 0.473

10/2/07

HTA-33

0920 ARRIVE @ HTA-33 W.L. 88.79

TIME	VOL (G)	T (°C)	pH	COND (mS/cm)	DO (mg/L)
0929	INITIAL	21.0	7.17	875	2.29
0938	5	20.5	7.13	879	1.64
0948	10	20.5	7.13	879	1.51
0959	15	20.6	7.12	878	1.35
1012	20	20.7	7.12	877	1.23

1015 COLLECTED SAMPLE HTA-33

EMRI-1

1040 ARRIVE @ EMRI-1 W.L. = 99.81

TIME	VOL (G)	T (°C)	pH	COND (mS/cm)	DO (mg/L)
1047.	INITIAL	22.5	7.37	731	2.88
1100	5	22.0	7.28	731	2.80
1111	10	22.0	7.28	731	2.69
1123	15	22.0	7.28	732	2.66
1135	20	22.0	7.28	732	2.64

1140 COLLECTED SAMPLE EMRE 1

10/2/07

EMRE 2

1200 ARRIVED AT EMRE 2 W.L. @ 59.46'

TIME	VOL	pH	T	COND	DO
1203	INITIAL	7.34	22.8	764	2.52
1212	5	7.33	21.9	767	2.49
1221	10	7.33	21.7	765	2.44
1229	15	7.33	21.8	765	2.41
1238	20	7.33	21.7	765	2.40

1240 COLLECTED ENVIRO SAMPLE EMRE 2

HTA-42

1305 ARRIVED @ HTA-42 W.L. = 68.35

TIME	VOL (g)	pH	T (°C)	COND (µS/cm)	DO (mg/L)
1309	INITIAL	7.32	23.0	781	1.78
1321	5	7.28	21.6	783	1.47
1331	10	7.27	21.6	783	1.41
~~MISS~~	~~15~~	~~7.27~~	~~21.6~~	~~784~~	~~1.42~~
1342	15	7.27	21.7	783	1.40
1353	20	7.27	21.7	783	1.40

1355 COLLECTED ENVIRO SAMPLE HTA-42

10/2/07

HTA-41

1430 ARRIVED @ HTA-41 W.L. = 110.62'

TIME	VOL (g)	T(°C)	pH	COND (µS/cm)	DO (mg/L)
	~~INITIAL 5~~				

1445 Abandoned well
- 175# N_2 pressure to bladder yet unable to bring H_2O out.

HTA-45

1500 ARRIVED @ HTA-45 WL = 80.35

TIME	VOL (g)	T(°C)	pH	COND (µS/cm)	DO (mg/L)
				~~734~~	~~2.42~~
1501	INITIAL	23.6	7.40	734	2.42
1512	5	22.1	7.33	739	2.51
1521	10	22.2	7.33	740	2.48
1530	15	22.2	7.33	740	2.47
1538	20	22.3	7.33	739	2.47

1540 COLLECTED ENVIRO SAMPLE HTA-45

10/2/07

HTA-16

1630 ARRIVE @ HTA-16 WL = 88.70

TIME	VOL (g)	T (°C)	pH	COND (µS/cm)	DO (mg/L)
1635	INITIAL	22.0	7.47	976	2.78
1648	5	21.0	7.47	984	2.68
1656	10	20.4	7.48	986	2.70
1706	15	20.4	7.48	986	2.67
1716	20	20.5	7.48	988	2.62

1720 Collect Sample HTA 16

END OF DAY

10/3/07

TEAM A - JEFF LANGMAN

CALIBRATION:

1) COND: ORION 130A, SN 1607234
1-PT MANUAL CAL WITH 1000 µS/cm
STD = LOT# 1705586, 5/06 CELL = 0.472 ✓

2) DO: YSI 550A, SN 05J1136A0
~~3-PT AUTO CAL WITH: 4.0 = 7.0 = 10.0~~
AUTO CAL AT 5200 AND 1 PPT ✓

3) pH: ORION 250A+, SN 018141
3-PT AUTO CAL WITH:
4.0 = LOT# 1705032, 4/09
7.0 = LOT# 175314, 4/09
10.0 = LOT# 1604752, 10/07
SLP = 98.9 ✓

10/3/07

HTA-15 WL= 87.14' BELOW TOC

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
0930	<1	21.4	7.43	992	5.37
0940	5	20.3	7.39	991	5.19
0950	10	20.3	7.38	990	5.14
1000	15	20.4	7.37	989	5.15
1010	20	20.4	7.37	989	5.12

1015 COLLECTED ENV. GW SAMPLE AT HTA-15
1020 " DUPLICATE " " " =(HTA-99)

HTA-16D WL= 85.91' BELOW TOC

TIME	VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1035	<1	22.1	7.24	957	3.01
1040	5	20.9	7.27	981	3.45
1050	10	20.9	7.26	979	3.55
1100	15	20.9	7.27	982	3.48
1110	20	20.8	7.26	982	3.56

1115 COLLECTED ENV. GW SAMPLE AT HTA-16D

10/3/07

HTA-19 WL=130.74' BELOW TOC

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1135	<1	22.6	7.72	981	5.04
1145	5	21.0	7.31	988	4.99
1155	10	20.9	7.31	988	4.77
1205	15	20.8	7.31	988	4.80
1215	20	20.8	7.31	988	4.99

1220 COLLECTED ENV. GW SAMPLE AT HTA-19

HTA-18 WL=115.83' BELOW TOC

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1240	<1	23.0	7.34	864	5.35
1250	5	21.1	7.29	873	5.64
1300	10	21.1	7.29	871	5.51
1305	15	21.2	7.29	870	5.52
1315	20	21.2	7.29	870	5.55

1320 COLLECTED ENV. GW SAMPLE AT HTA-18

HTA-22 WL = 95.24' BELOW TOC

TIME	GAS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1345	<1	21.8	7.24	829	3.65
1355	5	20.5	7.23	832	3.81
1405	10	20.4	7.23	832	4.01
1410	15	20.3	7.24	833	3.94
1420	20	20.4	7.24	833	3.99

1425 COLLECTED ENV. GW SAMPLE AT HTA-22

HTA-21 WL = 69.69' BELOW TOC

TIME	VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1445	<1	23.2	7.37	857	1.40
N_2 GAS IN DISCHARGE LINE					
1500	5	21.2	7.42	894	0.64
1510	10	21.0	7.39	895	0.52
1520	15	21.0	7.38	895	0.63
1535	20	21.0	7.38	895	0.58

1540 COLLECTED ENV. GW SAMPLE AT HTA-21

END OF DAY

10/4/07

Tech A

Calibration:

1) Conductance: Orion 130A, SN 1607234
1 Pt Manual Cal w/ 1000 ms/cm
STD: Lot 170558 5/08 Results = 1001 ms/cm

2) DO : YSI 550A, SN 05511136AD
Autocal
AT 5200
AND 1PPT

3) pH: Orion 250A, SN 018141
3 pt Auto CAL with
4.0 = Lot # 1705032 4/09
7.0 = Lot # 175314 4/09
10.0 = Lot # 1604752 10/07
SLP = 97.9

10-4-07

0855 FRED + MATT GEBHARDT MEET WSMR PERSONEL RUBEN FOR ACCESS TO WELL SMRIA. FORGOT HOSE FOR COLLECTING FIELD PERIMETERS WILL JUST FILL SAMPLE BOTTLES.

0910 COLLECTED SAMPLE SMRIA.

1010 ARRIVE AT WELL HTA-14. WL 96.06

TIME	VOL	TEMP	pH	COND	DO
1020	INITIAL	24.0	7.53	0.756	60.1
1022	5	22.1	7.52	0.843	60.2 *
1024	10	21.8	7.50	.858	59.5
1027	15	21.6	7.48	.851	~~60.3~~ 5.29
1029	20	21.5	7.46	.848	5.24

* DO MEASURED IN %.

1035 COLLECT SAMPLE HTA-14

10-4-07

1115 ARRIVE AT WELL HTA-24. WL 61.68

TIME	VOL	TEMP	pH	COND	DO
1121	INITIAL	25.4	7.24	468	3.83
1123	5	21.5	7.27	962	0.39
1126	10	21.4	7.28	9x51	0.63
1132	15	21.6	7.26	1.004	0.08
1135	20	21.3	7.26	1.003	0.08

H_2S

1140 COLLECTED SAMPLE HTA-24.

1214 ARRIVE AT WELL HTA-5 WL 64.58

TIME	VOL	TEMP	pH	COND	DO
1225	INITIAL	25.0	6.96	1088	0.87
1227	5	20.9	6.98	1.348	0.41
1230	10	20.5	6.98	1.367	0.31
1232	15	20.4	6.98	1.383	0.20
1234	20	20.3	6.97	1.404	0.13

1240 COLLECT SAMPLE HTA-5

10-4-07

1300 ARRIVE AT HTA-WINDMILL, WL 46.57

TIME	VOL	TEMP	pH	COND	DO
1307	INITIAL ~~TEMP~~	24.7	7.19	644	0.89
1309	5	22.0	7.20	799	0.30
1311	10	21.6	7.20	815	0.17
	~~15~~				~~0.13~~
	~~20~~				

GENERATOR RAN OUT OF GAS.

1354	15	21.7	7.18	828	0.10
1356	20	21.5	7.18	830	0.08
1358	25	21.4	7.16	830	0.07

1405 COLLECTED ENVIRONMENTAL SAMPLE, MATRIX SPIKE + MATRIX SPIKE DUPLICATE, HTAWM, HTAWM-MS, HTAWM-MSD.

10/10/07

1240 ARRIVED AT WELL SMR2. WL. 330.73

TIME	VOL	TEMP	pH	COND	DO
1344	INITIAL	31.3	7.34	700	4.18
1348	5	27.3	7.33	672	3.85
1352	10	26.9	7.33	527	3.94
1356	15	26.9	7.33	550	3.96
1359	20	26.7	7.32	600	4.00

1410 COLLECTED SAMPLE SMR2.

1314 CREW: FRED GEBHARDT + ERIC VOGLER.

CALIBRATION OF METERS:

CONDUCTIVITY METER: ORION 130A S/N 067526
COND STD 1800
READING 1799
SLOPE 473

pH METER: 250A+ ORION S/N 014709
pH BUFFERS: 4.01, 7.00, 10.01
READINGS: 4.01, 7.01, 10.04
SLOPE 98.3

DO METER: YSI 550A S/N 0480256 AL
ELEVATION 4800 FT.

OCTOBER 1, 2007

TEAM B - JEFF LANGMAN

1100 - ARRIVE AT HTA

CALIBRATION:

1) COND: ORION 130A SN 1348654
1-PT MANUAL CAL WITH 750 uS/cm
STD = LOT # 1511578, 11/07
INITIAL = 743 ADJ = 750 ✓ CAL = ~~0.5~~ 0.481 ✓

2) DO: YSI 550A, SN 05C1996 AO
AUTO CAL AT 1 PPT AND 5300'

3) pH: ~~ORION~~ ORION 250A+, SN 018139
3-PT AUTO CAL WITH:
4.00 = LOT # 1705032, 4/09 ✓
7.00 = LOT # 1705314, 4/09 ✓
10.01 = LOT # 1604752, 10/07 ✓
CELL = 97.7 ✓.

ERIC VOGLER AND MICHELLE LAUNA
ASSISTED FOR PULLING OF MICROBE SAMPLERS
= MICRO-TRAC

10/1/07

1300 - PULLED MICRO-TRAC FROM WELL
HTA-11 WL = 65.94' BELOW TOC (MP)

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1350	<1	20.4	7.40	912	2.49
1400	5	20.3	7.40	909	2.73
1410	10	20.2	7.38	902	5.11
1420	15	20.1	7.36	906	5.44
1430	20	20.1	7.35	903	5.55

1435 COLLECTED ENV. GW SAMPLE AT HTA-11

MICRO-TRAC WAS IN GOOD SHAPE UPON REMOVAL FROM HTA-11

HTA-20 PULLED MICRO-TRAC FROM WELL
WL = 75.57' BELOW TOC (MP)

TIME	VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1530	<1	20.9	7.26	988	3.10
1540	5	20.2	7.21	994	2.25
1550	10	20.1	7.22	994	2.32
1600	15	20.1	7.22	995	2.28
1610	20	20.1	7.22	994	2.30

COLLECTED ENV. GW SAMPLE AT HTA-20
1620

10/1/07

HTA-25 WL=866' BELOW PUMP HANGER

REMOVED MICRO-TRAC

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1700	<1	21.3	7.20	1,121	1.47
1710	5	20.1	7.30	1,060	0.04
1720	10	20.0	7.31	1,041	0.12
1725	15	20.0	7.32	1,041	0.12
1730	20	20.1	7.32	1,036	0.36

1735 COLLECTED ENV. GW SAMPLE AT HTA-25

END OF DAY

10/2/07

0730 - ARRIVE AT HTA

TEAM B - JEFF LANGMAN

CALIBRATION:

1) COND: ORION 130A, SN 1348654
1-PT MANUAL CAL WITH 1,000 µS/cm STD
STD = LOT # 1705588, 5/08
INITIAL = 1008 ADJ = 1000 CELL = 0.478 ✓

2) DO: YSI 550A, SN 05L1996 AO
AUTO CAL AT 5400' AND 1PPT ✓

3) pH: ORION 250A+, SN 018139
3-PT AUTO CAL WITH:
4.0 = LOT# 1705032, 4/09 ✓
7.0 = LOT# 1705314, 4/09 ✓
10.0 = LOT# 1604752, 10/07 ✓
CELL = 97.7 ✓

10/2/07

HTA-34 WL= 47.27' BELOW TOC

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
0915	<1	20.5	7.30	908	2.06
0930	5	19.7	7.25	912	0.20
0940	10	19.7	7.25	911	0.26
0950	15	19.6	7.25	908	0.18
1000	20	19.7	7.25	907	0.09

1005 COLLECTED ENV. GW SAMPLE AT HTA-34

HTA-12 WL= 68.40' BELOW TOC

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1035	<1	20.8	7.19	950	1.45
1045	5	20.5	7.17	960	1.02
1100	10	20.4	7.17	960	0.96
1110	15	20.5	7.17	959	0.90
1120	20	20.5	7.17	954	0.93

1125 COLLECTED ENV. GW SAMPLE AT HTA-12.

HTA-14 – NO PUMP IN WELL

10/2/07

HTA-10A WL = 64.34' BELOW TOC

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1200	1 <1	21.5	7.33	875	5.55
1210	5	20.6	7.42	887	3.83
1220	10	20.5	7.50	884	2.67
1225	15	20.4	7.53	882	2.75
1235	20	20.3	7.55	880	2.66

1240 COLLECTED ENV. GW SAMPLE AT HTA-10A

HTA-23 WL = 89.62 Below TOC

Time	Gals Vol	°C (pH) Temp	pH	µS/cm COND	mg/L DO
1320	<1	22.9	7.49	716	4.40
1335	5	21.2	7.30	725	0.33
1350	10	21.4	7.30	725	0.36
1405	15	21.4	7.30	725	0.30
1420	20	21.4	7.30	725	0.43

1425 COLLECTED ENV. GW SAMPLE AT HTA-23

10/2/07

HTA-13 WL = 104.16' BELOW TOC

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1455	<1	21.0	7.44	845	6.55
1505	5	20.8	7.44	844	6.49
1510	10	20.8	~~6.54~~ 7.44	844	6.42
1520	15	21.0	7.45	844	6.39
1530	20	~~20.8~~ 20.7	7.45	844	6.30

1535 COLLECTED ENV. GW SAMPLE AT HTA-13

HTA-17 WL = 89.15' BELOW TOC

TIME	GALS VOL	°C (pH) TEMP	pH	µS/cm COND	mg/L DO
1555	<1	21.9	7.38	984	5.59
1605	5	20.7	7.38	987	5.08
1620	10	20.7	7.38	987	4.95
1630	15	20.5	7.37	987	4.84
1640	20	20.4	7.37	988	4.83

1645 Collected ENV. GW SAMPLE AT HTA-17.

END OF DAY

10/3/07

0745 - ARRIVE AT HTA

TEAM B - ANDREW ROBERTSON, KURT McCOY

CALIBRATION:

1) COND: ORION 130A, SN 1348654
1-PT MANUAL CAL WITH 1000 µS/cm STD
STD = LOT# 1705588, 5/08
INITIAL = 996 ADJ = 1000 CELL = 0.480 ✓

2) DO: YSI 550A, SN 05C1996 AO
AUTO CAL AT 5400' AND 1 PPT ✓

3) pH: ORION 250A+, SN 018139
3-PT AUTO CAL WITH:
4.0 = LOT# 1705032, 4/09 ✓
7.0 = LOT# 1705314, 10/07 ✓
10.0 = LOT# 1604752, 10/07 ✓
CELL = 97.8 ✓

10/3/07

HTA-4

935 ARRIVE @ HTA-4 W.L. = 32.89

Time	Gals Vol	°C Temp	pH	mS/cm Cond	mg/L DO
0945	INITIAL	21.7	7.14	836	405
0956	5	20.3	7.16	842	3.25
1004	10	20.3	7.16	842	3.25
1009	15	20.4	7.15	842	3.24
1013	20	20.5	7.18	—	—

1025 Collected ENV. GW SAMPLE AT HTA-4

1030 Collected Duplicate ENV GW Sample AT HTA-4 (HTA-98)

HTA-28

1100 ARRIVE @ HTA-25 W.L. = 80.18

Time	Gals Vol	°C Temp	pH	mS/cm Cond	mg/L DO
1106	Initial	23.5	7.36	756	5.34
1132	5	21.5	7.32	843	5.16
1148	10	21.4	7.32	844	5.22
1158	15	21.3	7.32	844	5.27
1206	20	21.3	7.32	844	5.30

1215 Collected ENV. GW Sample at HTA-28

10/3/07

HTA - 50

1250 arrive @ HTA-50 WL : 500.61'

Time	gal vol	°C Temp	pH	µS/cm Cond	mg/L DO
1305	Initial	26.0	7.45	771	4.94
1310	5	25.9	7.40	778	4.06
1318	10	25.9	7.39	777	4.74
1325	15	25.9	7.39	777	4.96
1335	20	26.0	7.38	776	5.10

1340 Collected ENV GW SAMPLE @ HTA-50

HTA -3 ~~25500~~ 642000

1410 arrive @ HTA-3

Time	gal Vol	°C Temp	pH	µS/cm Cond	mg/L DO
1411	Initial	30.5	7.18	788	4.70
1416	5	20.9	7.23	797	5.13
1420	10	20.8	7.23	799	5.23
1424	15	20.9	7.23	803	5.34
1428	20	20.8	7.23	804	5.34

1435 COLLECTED ENVIRO SAMPLE HTA-3

10/3/07

HTA-32

1450 arrive @ HTA-32 35.24

TIME	VOL (L)	T (°C)	pH	COND (µS/cm)	DO (g/L)
1500	INITIAL	22.2	7.42	872	5.00
1507	5	20.7	7.40	873	4.59
1513	10	20.6	7.40	875	4.56
1519	15	20.6	7.40	874	4.55
1525	20	20.6	7.40	876	4.52

1530 COLLECTED ENVIRO SAMPLE HTA-32

10/10/07

1455 ARRIVE AT WELL SMR4. WL 298.17

TIME	VOL	TEMP	pH	COND	DO
1509	INITIAL	29.7	7.33	592	4.04
1512	5	29.5	7.30	443	7.01
1515	10	26.8	9.23	314	0.24
1518	15	26.7	9.25	361	0.17
1521	20	26.1	9.27	363	0.12
1524	25	26.0	9.28	364	0.10

1530 COLLECTED SAMPLE @ SMR4.

10/11/07

1115 FRED GEBHARDT + ERIC VOGLER ARRIVE AT WELL SMR 3. WL 298.07.

CALIBRATION OF METERS:

pH METER: 250 A+ ORION S/N 014709
pH BUFFERS 4.01, 7.00, 10.01
READINGS 4.01, 7.01, 10.03
SLOPE 98.5

CONDUCTIVITY METER: 130 A ORION S/N 067526
COND. STD 1800
READING 1798
SLOPE 473

DO METER: YSI 550 A S/N 0480256 AC
ELEVATION 4800 FT.

TIME	VOL	TEMP	pH	COND	DO
1150	INITIAL	25.2	7.62	627	5.74
1156	5	25.7	7.34	811	4.36
1201	10	25.8	7.33	808	4.32
1207	15	25.9	7.33	817	4.32
1212	20	25.9	7.32	782	4.42
1217	25	25.9	7.32	771	4.42

1225 COLLECTED SAMPLE SMR3

10-1-07

1200 ARRIVE AT STAGING AREA AT HTA ON WSMR. MEET WITH OTHER USGS EMPLOYEES.

CALIBRATION: pH METER MODEL 250 At S/N 014709
pH BUFFERS: ~~7.01~~ 4.01, 7.00, 10.01
INITIAL READING: 4.01, 7.01, 10.04
ADJUSTED: N/A
SLOPE: 98.3

CONDUCTIVITY METER: MODEL 130A S/N 067526
STANDARD: 1000
INITIAL READING: 988
ADJUSTED: 1001
SLOPE 480

DO METER: YSI MODEL 550A S/N 04130256AL
ELEVATION 5200 FT.

1405 ARRIVE AT WELL HTA-35, WL 75.05

TIME	VOL	TEMP	pH	COND	DO
1420	INITIAL	24.7	7.36	752	1.76
1422	5	23.0	7.34	811	1.83
1424	10	23.0	7.33	815	1.79
1427	15	23.0	7.30	823	1.65
1430	20	23.0	7.29	824	1.61

1435 COLLECTED SAMPLE HTA-35

10-1-07

1521 ARRIVE AT WELL HTA-44. WL. 100.18

TIME	VOL	pH	COND	DO	TEMP
1531	INITIAL	7.68	241	4.61	22.4
1534	5	7.47	486	2.61	22.5
1537	10	7.40	606	1.31	22.4
1539	15	7.38	734	0.24	22.3
1542	20	7.38	736	0.16	22.3

1550 COLLECTED SAMPLE HTA-44.

1614 ARRIVE AT WELL HTA-30. WL 94.96

TIME	VOL	TEMP	pH	COND	DO
1623	INITIAL	21.6	7.54	744	6.43
1625	5	21.0	7.55	796	6.76
1628	10	21.0	7.55	804	6.90
1630	15	21.0	7.56	807	6.93
1632	20	21.1	7.55	809	6.94

1635 COLLECTED SAMPLE HTA-30

10-2-07

0815 INTRODUCED DR. ERIC VOLLER + DR. MICHELLE LORAH TO WSMR POINT-OF-CONTACT JOSE CALLAGOS, IN REGARDS TO A POSSIBLE PILOT STUDY.

0835 FRED GEBHARDT ARRIVES AT HTA STAGING AREA. JEFF LANGMAN, ANDREW ROBERTSON, + MATT GEBHARDT ARE ALREADY AT STAGING AREA PREPARING TO LEAVE TO BEGIN SAMPLING.

CALIBRATION OF METERS:

pH METER: MODEL 250 A+ S/N 014709
BUFFERS 4.01, 7.00 + 10.01
INITIAL READING 4.01, 7.02 + 10.07
ADJUSTED 4.01, 7.02 + 10.01
SLOPE 99.1

CONDUCTIVITY METER: MODEL 130 A S/N 067526
STANDARD 1000
INITIAL 1004
ADJUSTED 1000
SLOPE 476

DO METER: YSI MODEL 550A S/N 04B025EAL
ELEVATION: 5000

10-2-07

1134 ARRIVE AT WELL HTA-38. WL 86.92

TIME	VOL	TEMP	pH	COND	DO
1139	INITIAL	25.5	7.36	291	4.45
1141	5	23.0	7.10	592	3.84
1143	10	22.7	7.06	599	3.91
1145	15	22.6	7.05	601	3.91
1147	20	22.7	7.04	602	3.91

1150 COLLECTED SAMPLE HTA-38.

10-2-07

1205 ARRIVE AT HTA-37 . WL 89.07

TIME	VOL	TEMP	pH	COND	DO
1212	INITIAL	25.4	7.29	413	2.70
1214	5	23.6	7.35	603	0.98
1217	10	24.4	7.33	528	0.45
1220	15	23.8	7.36	645	0.46
1223	20	23.8	7.34	645	0.14

1230 COLLECTED SAMPLE HTA-37.

1251 ARRIVE AT HTA-36. WL 64.05

TIME	VOL	TEMP	pH	COND	DO
1257	INITIAL	24.3	7.30	360	1.55
1259	5	22.5	7.30	652	0.43
1301	10	22.1	7.32	467	0.30
1303	15	22.0	7.31	679	0.45
1305	20	22.0	7.31	680	0.50

1310 COLLECTED SAMPLE HTA-36.

10-2-07

1340 ARRIVE AT WELL HTA-39. WL. 80.02

TIME	VOL	TEMP	pH	COND	DO
1348	INITIAL	26.1	7.34	658	3.35
1351	5	23.0	7.41	735	3.32
1353	10	22.6	7.40	738	3.18
1355	15	23.0	7.40	739	3.17
1357	20	22.9	7.40	739	3.14

1400 COLLECTED ENVIRONMENTAL SAMPLE HTA-39.

1425 ARRIVE AT WELL HTA-40 WL 93.87

TIME	VOL	TEMP	pH	COND	DO
1435	INITIAL	27.3	7.06	500	1.33
1438	5	23.0	7.29	699	0.22
1441	10	22.5	7.30	702	0.12
1443	15	22.9	7.30	702	0.09
1446	20	23.1	7.29	703	0.09

H_2S

1450 COLLECTED SAMPLE HTA-40.

1510 ARRIVE AT STAGING AREA. COLLECTED EQUIPMENT BLANK HTA-40EB @ TIME 1530.

PACK & SHIP

10-3-07

0745 CREW: FRED + MATT GEBHARDT

CALIBRATION OF METERS:

PH METER: MODEL 250 A + S/N 014709
BUFFERS: 4.01, 7.00, 10.01
INITIAL READING: 4.01, 7.01, 10.06
ADJUSTED: 4.01, 7.01, 10.06
SLOPE: 98.3

CONDUCTIVITY METER:
MODEL: ORION 130 A S/N 067526'02
STANDARD: 1000
INITIAL: 999
ADJUSTED: —
SLOPE: —

D.O. METER: YSI 550 A
S/N 0430 256 AL
ELEVATION: 5400

10-3-05

~~0~~0955 ARRIVE AT WELL HTA-48. WL 118.19.

TIME	VOL	TEMP	pH	COND	DO
1003	INITIAL	24.9	7.19	660	2.06
1006	5	23.6	7.16	782	0.30
1008	10	23.8	7.16	768	0.99
1011	15	23.8	7.14	780	1.60
1015	20	23.9	7.12	794	1.93

1020 COLLECTED SAMPLE HTA48

1058 ARRIVE AT WELL HTA-41. WL. 110.64
THIS WELL HAS A BLADDER PUMP, HOWEVER IT IS NOT CURRENTLY WORKING. WILL BE USING A GRUNDFOS PUMP.

TIME	VOL	TEMP	pH	COND	DO
1110	INITIAL	25.9	7.08	737	4.79
1112	5	23.2	7.08	787	5.03
1114	10	23.1	7.08	788	5.12
1116	15	23.1	7.10	787	5.12
1118	20	23.1	7.12	786	5.10

1125 COLLECTED SAMPLE HTA 41

10-3-07

1145 ARRIVE AT WELL HTA-47A. WL 76.66.

TIME	VOL	TEMP	pH	COND	DO
1151	INITIAL	26.3	7.38	611	1.75
1154	5	24.0	7.41	752	0.56
1156	10	22.9	7.43	780	0.48
1159	15	23.2	7.43	777	0.45
1201	20	22.9	7.43	781	0.35

1205 COLLECTED SAMPLE HTA47A

1232 ARRIVE AT WELL HTA-51. WL 87.34

TIME	VOL	TEMP	pH	COND	DO
1249	INITIAL	25.8	7.16	770	4.37
1251	5	23.0	7.17	943	4.29
1253	10	22.4	7.18	965	4.46
1255	15	22.2	7.18	968	4.49
1257	20	22.2	7.18	970	4.53

1300 COLLECTED SAMPLE HTA-51.

10-3-07

1336 ARRIVE AT WELL HTA-27. WL 103.81

TIME	VOL	pH	COND	DO	TEMP
1344	INITIAL	7.31	536	0.94	26.1
1346	5	7.41	532	2.70	22.8
1350	10	7.37	489	2.25	23.5
1352	15	7.36	727	0.11	22.2
1355	20	7.37	730	0.10	22.1

1400 SAMPLE COLLECTED HTA27

10/04/07

0805 CREW: JEFF LANGMAN, KURT M'COY

METERS CALIBRATION:

pH METER: MODEL 250A+ S/N 04709
BUFFERS: 4.01, 7.00, 10.01
INITIAL READING:
ADJUSTED:
SLOPE: 98.3

CONDUCTIVITY METER
MODEL: ORION 130A S/N 067526'02
STANDARD: 1000
INITIAL: 0.988
ADJUSTED: 1.000
SLOPE: 0.479

D.O. METER: YSI 550A
S/N 04B0 256 AL

10/4/07

HTA-26

Arrive @ 0905 at well HTA-26 Water Level 101.10' Below MP (TOC)

PUMP HANGER

Time	Gal Vol	pH	µS/cm cond	mg/L DO	°C (pH) Temp
0910	<1	7.28	926	0.98	21.6
0920	5	7.28	925	0.74	21.2
0935	10	7.27	922	0.64	21.2
0945	15	7.27	926	0.65	21.2
0955	20	7.28	929	0.68	21.2

1000 Collected ENV GW Sample from HTA-26

HTA-29

Arrive at 1015 @ well HTA-26 WL = 78.70' BELOW TOC

Time	Gal Vol	pH	µS/cm cond	mg/L DO	°C (pH) Temp
1025	<1	7.20	1002	0.62	20.7
1030	5	7.19	1000	0.31	20.4
1040	10	7.19	1001	0.47	20.4
1050	15	7.18	1002	0.50	20.8
1105	20	7.19	1001	0.65	20.4

1110 Collected ENV GW Sample for HTA-29

10/4/07

1145 - ARRIVE AT MARKHAM SPRINGS
- STOCK TANK FULL
- 50 YDS UPSTREAM, SEEP IS EXPOSED BUT NO SAMPLE SPOT (SHEENS ALOUS ROCK
- 1/2 GPM OUT OF PIPE AT

FIELD PROPERTIES:
DO = 4.34 mg/L COND = 812 µS/cm
pH = 7.34 TEMP = 24.8°C

SAMPLE AT PIPE INTO STOCK TANK AT 12:00 pm

1335 - Arrive at Bonnie Springs Windmill Mine
WL = 25.58' Below TOC

Field Properties
DO = 2.19 COND = 984
pH = 7.34 TEMP = 23.3°C

Sample collected by bailer at 1345