CDM

Citrus County, Florida

Citrus County Central Class I Landfill
Facility GMS# SWD/09/39859
January 2010 Groundwater Monitoring Report

April 2010

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Section 1
Summary

The first semiannual sampling event for 2010 at the Citrus County Central Landfill was conducted on January 25 and January 26, 2010. Personnel from TestAmerica Laboratories, Inc. (TestAmerica) collected and analyzed all of the groundwater samples.

The current permit (21375-008-SO/01) requires 14 monitor wells (MW-1R, MW-2, MW-3, MW-6, MW-7, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-17, MW-18, & MW-19) be sampled semiannually. Static groundwater level measurements are required to be collected in these 14 wells and 10 piezometers (MW-4R, MW-5, MW-8R, MW-9, MW-16, MW-AA, MW-B, MW-E, PZ-1, & PZ-2).

Leachate samples and Waste Sludge samples are also required, but are collected under the supervision of SCS Engineers (SCS) and the results of the analyses are reported separately. Samples for leachate influent are collected annually from the master lift station for Phase 1/1A and from the primary pump sampling port for the Phase 2. Samples for leachate effluent are collected quarterly from the discharge from the chlorine contact tank. Waste Sludge samples are collected annually from the leachate treatment plant.

Surface water is only required to be sampled if there is a discharge off of the Citrus County Central Landfill Property. Because there were no discharges reported, no surface water samples were collected during the first semiannual sampling event.

Section 2
Groundwater Contours

Static water levels were measured in all of the sampled groundwater monitor wells, and the ten piezometers stipulated in the operating permit and the measurements were used in preparing a groundwater contour map for the site. All of the wells and piezometers are completed in the Floridan Aquifer. The groundwater elevations are provided in **Table 1.** Groundwater contours for the Floridan Aquifer are shown on **Figure 1**. A CD containing electronic portable document files (PDF) of the contour map is provided in **Appendix A.**

Table 1. Citrus County Central Landfill January 2010 Water Level Data

Monitor Well ID	Tasks in 7/09 Sampling Event	Casing Size (in)	Top of Casing Elev. (NGVD)	Water Levels Measured In January 2010			
				Initial Round of Water Levels[1]		Water Level at Time of Sampling	
				(ft btoc)	(NGVD)	(ft btoc)	(NGVD)
MW-AA	WL only	2	106.11	101.05	5.06	NS	NS
MW-B	WL only	4	113.46	108.12	5.34	NS	NS
MW-E	WL only	2	109.51	104.56	4.95	NS	NS
MW-1R	GW Sample & WL	2	118.08	113.15	4.93	113.20	4.88
MW-2	GW Sample & WL	2	136.19	129.75	6.44	129.75	6.44
MW-3	GW Sample & WL	2	120.47	114.22	6.25	114.22	6.25
MW-4R	WL only	2	116.21	113.03	3.18	NS	NS
MW-5	WL only	2	121.14	114.80	6.34	NS	NS
MW-6	GW Sample & WL	2	118.48	112.03	6.45	112.28	6.20
MW-7	GW Sample & WL	2	128.66	122.43	6.23	122.45	6.21
MW-8R	WL only	2	118.08	113.09	4.99	NS	NS
MW-9	WL only	2	113.46	108.58	4.88	NS	NS
MW-10	GW Sample & WL	2	114.20	107.80	6.40	107.78	6.42
MW-11	GW Sample & WL	2	105.21	99.96	5.25	100.05	5.16
MW-12	GW Sample & WL	2	104.01	98.64	5.37	98.51	5.50
MW-13	GW Sample & WL	2	112.61	107.09	5.52	107.03	5.58
MW-14	GW Sample & WL	2	109.12	103.75	5.37	103.66	5.46
MW-15	GW Sample & WL	2	124.21	118.59	5.62	118.59	5.62
MW-16	WL only	2	120.31	114.70	5.61	NS	NS
MW-17	GW Sample & WL	2	111.55	105.98	5.57	105.93	5.62
MW-18	GW Sample & WL	2	116.41	110.08	6.33	110.27	6.14
MW-19	GW Sample & WL	2	114.16	107.89	6.27	107.94	6.22
PZ-1	WL only	2	111.56	106.23	5.33	NS	NS
PZ-2	WL only	2	117.32	112.22	5.10	NS	NS

NOTES:
WL - Water Level
GW - Groundwater
NS - Not Sampled
Initial Round of Water Levels[1] - Static WLs collected from 8:45 to 14:58 on 1/25/09

Section 3
Groundwater Quality

The laboratory reports for the groundwater samples are provided in **Appendix B** of this report. The electronic EDD files and PDF files containing the analytical reports, chain of custody forms, and field sampling log sheets are also included on the CD in Appendix A. A summary of the field parameters that were monitored during the groundwater sampling event and the parameters that were detected in the groundwater samples that were analyzed is provided in **Table 2**. A tabulation of exceedances of groundwater quality criterion is provided in **Table 3** and summarized below for each of the monitor wells sampled during the first semiannual sampling event for 2010.

TABLE 2 ANALYTICAL RESULTS OF DETECTED PARAMETERS COMPARED TO GROUNDWATER STANDARDS AND/OR GUIDANCE CONCENTRATIONS CITRUS COUNTY CENTRAL LANDFILL First Seminannual 2010

			FIELD READINGS																					GENERAL CHEMISTRY				
		PARAMETER	Color	pH	Temperature	Dissolved Oxygen	Specific Conductance	Turbidity NS - NTU		Water Level	Benzene	Bromodichloromethane	Trihalomethanes	Chloroform	Dibromochloramethane	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Trihalomethane	Trichloroethene	Vinyl Chloride	Xylenes, Total	Chloride	Ammonia (as N)	Nitrate (as N)	Fecal Coliform	Total Dissolved Solids
WELL ID	**Date Sampled**	**STANDARD**	NS - Color Unit	6.5 - 8.5 S.U.**	NS - C*	NS - mg/L	NS - umhos/cm	Unfiltered	Filtered	ft btoc	1.0 ug/L*	0.6*** ug/L	80 ug/L*	70 ug/L***	0.4*** ug/L	75 ug/L*	70 ug/L***	70 ug/L***	30 ug/L**	5 ug/L*	80 ug/L**	3.0 ug/L*	1.0 ug/L*	20 ug/L**	250 mg/L**	2.8 mg/L***	10 mg/L*	1 CFU/100 ml	500 mg/L**
Background																													
MW-1R	1/26/2010		Clear	**5.33**	22.8	4.12	93	0.51	NA	113.20	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	3.8	ND	3.8	NA	84
MW-2	1/26/2010		Clear	**4.62**	21.7	4.39	24	1.09	NA	129.75	ND	ND	NA	2.0	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	4.0	ND	ND	NA	34
MW-3	1/26/2010		Clear	**4.86**	20.7	3.79	37	1.14	NA	114.22	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	6.7	ND	1.4	NA	50
MW-7	1/26/2010		Clear	**5.25**	22.1	0.39	100	4.47	NA	122.45	ND	ND	NA	ND	ND	ND	ND	ND	0.61 I	ND	NA	ND	ND	ND	6.3	ND	ND	NA	78
Compliance																													
MW-E	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detection																													
MW-8R	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-AA	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-B	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-C	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-D	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Intermediate																													
MW-6	1/26/2010		Clear	**4.04**	23.0	0.56	819	0.87	NA	112.28	0.63 I	**1.1**	4.4	1.9	**3.9**	ND	ND	0.82 I	ND	ND	4.4	ND	**1.9**	ND	220	1.2	4.8	1 U	400
Other, Assessment																													
MW-10	1/25/2010		Cloudy	**4.53**	21.8	1.16	53	83	4.73	107.78	**2.7**	ND	NA	ND	ND	8.3	1.6	8.9	ND	**6.0**	NA	ND	**3.2**	9.2	7.0	ND	ND	NA	24
MW-11	1/25/2010		Clear	7.17	23.2	0.67	331	3.93	NA	100.05	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	5.1	ND	0.22 I	NA	190
MW-12	1/25/2010		Clear	6.67	23.2	3.12	611	4.82	NA	98.51	ND	ND	NA	ND	ND	1.6	ND	ND	ND	ND	NA	ND	ND	ND	4.5	0.33	ND	NA	330
MW-13	1/25/2010		Clear	**5.31**	22.6	2.78	86	4.90	NA	107.03	0.61 I	ND	NA	ND	ND	3.7	ND	2.6	ND	ND	NA	ND	0.88 I	ND	5.7	ND	ND	NA	34
MW-14	1/26/2010		Clear	6.87	21.5	1.93	510	4.86	NA	103.66	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	3.7	ND	ND	NA	320
MW-15	1/26/2010		Clear	**4.58**	20.9	5.00	44	2.68	NA	118.59	0.55 I	ND	NA	ND	ND	ND	ND	4.0	ND	ND	NA	1.2	0.65 I	0.63 I	3.0	0.018 I	ND	NA	44
MW-17	1/26/2010		Clear	**5.06**	22.8	5.11	61	8.48	0.19	105.93	ND	ND	NA	ND	ND	1.6	ND	ND	ND	ND	NA	ND	ND	ND	3.4	0.017 I	ND	NA	46
MW-18	1/25/2010		Clear	**5.29**	21.5	1.25	73	31	NA	110.27	0.53 I	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	0.81 I	NA	NA	NA	NA	NA	NA
MW-19	1/25/2010		Clear	**6.23**	22.8	4.15	59	5.63	NA	107.94	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
Q/A/QC																													
Eq Blank	7/20/2009		NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND
Trip Blank 30754	7/21/2009		NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
Trip Blank 30730	7/20/2009		NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
Trip Blank 30755	7/21/2009		NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA

LEGEND
* - Primary Drinking Water Standard
** - Secondary Drinking Water Standard
*** - Chapter 62-777 Groundwater Cleanup Target Levels (GCTLs)
Values that are bolded & highlighted exceed GCTLs and/or Standards
NS - No Standard
ND - Not Detected (i.e. if present, concentration is below the method detection limit [MDL])
NA - Not Analyzed
I - Reported value is between the MDL and the laboratory practical quantitation limit (PQL)
J - Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
V - Analyte was detected in both the sample and the associated method blank

Table 2 (Continued) Analytical Results of Detected Parameters Compared to Groundwater Standards and/or Guidance Concentractions Citrus County Central Landfill First Semiannual 2010

WELL ID	Date Sampled	PARAMETER STANDARD	Arsenic 10 ug/L*	Barium 2000 ug/L*	Beryllium 4.0 ug/L*	Cadmium 5.0 ug/L*	Chromium 100 ug/L*	Cobalt 140 ug/L***	Copper 1000 ug/L**	Iron 300 ug/L**	Lead 15 ug/L*	Nickel 100 ug/L*	Selenium 50 ug/L*	Silver 100 ug/L**	Sodium 160 mg/L*	Zinc 5000 ug/L**
Background																
MW-1R	1/26/2010		ND	6	ND	0.23 I	ND	0.57	ND	ND	0.42 I	5.3	ND	ND	7.7	12 I
MW-2	1/26/2010		ND	2.3 I	ND	ND	ND	0.44 I	ND	41 I	1.1 I	ND	ND	ND	3.3	19 I
MW-3	1/26/2010		ND	16	ND	0.2 I	ND	0.57	36	150	**45**	3.3 I	ND	ND	6.0	50
MW-7	1/26/2010		1.9 I	17	ND	0.2 I	ND	0.46 I	ND	160	2.0	3.6 I	ND	ND	16 J	23
Compliance																
MW-E	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detection																
MW-8R	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-AA	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-B	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-C	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-D	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Intermediate																
MW-6	1/26/2010		ND	86	0.58	0.27 I	ND	2.4	10	220	1.4 I	31	ND	0.28 I	120	17 I
Other, Assessment																
MW-10	1/25/2010		2.6	81	ND	ND	4.7 I	0.58	ND	**4,200**	2.6	ND	ND	ND	5.5	10 I
MW-11	1/25/2010		ND	17	ND	ND	ND	0.17 I	ND	64 I	0.28 I	ND	ND	ND	3.6	ND
MW-12	1/25/2010		3.8	16	ND	ND	ND	1.1	ND	**5,800**	0.25 I	ND	ND	ND	3.2	ND
MW-13	1/25/2010		3.8	3.3 I	ND	ND	ND	6.2	ND	**2,700**	ND	4.2 I	ND	0.49 I	3.5	10 I
MW-14	1/26/2010		ND	24	ND	0.22 I	ND	1.3	ND	81 I	0.21 I	ND	ND	ND	3.2	ND
MW-15	1/26/2010		6.7	3.7 I	ND	ND	ND	0.45 I	ND	**5,400**	ND	2.5 I	7.1	ND	2.2	24
MW-17	1/26/2010		3.3	5.0 I	ND	ND	ND	8.4	ND	**7,200**	0.23 I	2.6 I	ND	ND	3.7	9.5 I
MW-18	1/25/2010		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-19	1/25/2010		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
QA/QC																
Eq Blank	7/20/2009		ND	ND	ND	0.17 I	ND	0.56	ND	ND	0.74 I	ND	ND	0.26 I	ND	ND
Trip Blank 30754	7/21/2009		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trip Blank 30730	7/20/2009		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trip Blank 30755	7/21/2009		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

WELL ID	Arsenic 10 ug/L*	Barium 2000 ug/L*	Beryllium 4.0 ug/L*	Cadmium 5.0 ug/L*	Chromium 100 ug/L*	Cobalt 140 ug/L***	Copper 1000 ug/L**	Iron 300 ug/L**	Lead 15 ug/L*	Nickel 100 ug/L*	Selenium 50 ug/L*	Silver 100 ug/L**	Sodium 160 mg/L*	Zinc 5000 ug/L**
Background														
MW-1R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Compliance														
MW-E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detection														
MW-8R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-AA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-C	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Intermediate														
MW-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other, Assessment														
MW-10	2.2 I	12	ND	ND	ND	0.6	ND	**3,100**	0.4 I	ND	ND	ND	4.7	11 I
MW-11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-17	3.0	2.8 I	ND	ND	ND	7.8	ND	**6,100**	ND	2.5 I	ND	ND	3.1	9.6 I
MW-18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
QA/QC														
Eq Blank	ND	ND	ND	ND	ND	ND	ND	ND	0.21 I	ND	ND	ND	ND	ND
Trip Blank 30754	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trip Blank 30730	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trip Blank 30755	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

LEGEND
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Values that are bolded & highlighted exceed GCTLs and/or Standards
NS - No Standard
ND - Not Detected (i.e. if present, concentration is below the method detection limit [MDL])
NA - Not Analyzed
I - Reported value is between the MDL and the laboratory practical quantitation limit (PQL)
V - Analyte was detected in both the sample and the associated method blank
J -

Table 3. Analytical Results of Parameters Exceeding Groundwater Standards and/or Guidance Concentrations First Semiannual 2010

			FIELD READINGS	VOLATILE ORGANICS					METALS - Total Recoverable		METALS - Dissolved	
		PARAMETER	pH	Benzene	Bromodichloromethane	Dibromochloramethane	Methylene Chloride	Vinyl Chloride	Iron	Lead	Iron	Lead
WELL ID	**Date Sampled**	**STANDARD**	6.5 - 8.5 S.U.**	1.0 ug/L*	0.6*** ug/L	0.4*** ug/L	5 ug/L*	1.0 ug/L*	300 ug/L**	15 ug/L*	300 ug/L**	15 ug/L*
Background												
MW-1R	1/26/2010		**5.33**	ND	ND	ND	ND	ND	ND	0.42 I	NA	NA
MW-2	1/26/2010		**4.62**	ND	ND	ND	ND	ND	41 I	1.1 I	NA	NA
MW-3	1/26/2010		**4.86**	ND	ND	ND	ND	ND	150	45	NA	NA
MW-7	1/26/2010		**5.25**	ND	ND	ND	ND	ND	160	2	NA	NA
Compliance												
MW-E	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detection												
MW-8R	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-AA	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-B	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-C	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-D	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Intermediate												
MW-6	1/26/2010		**4.04**	0.63 I	**1.1**	**3.9**	ND	**1.9**	220	1.4 I	NA	NA
Other, Assessment												
MW-10	1/25/2010		**4.53**	**2.7**	ND	ND	**6.0**	**3.2**	**4,200**	2.6	**3,100**	0.4 I
MW-11	1/25/2010		7.17	ND	ND	ND	ND	ND	64 I	0.28 I	NA	NA
MW-12	1/25/2010		6.67	ND	ND	ND	ND	ND	**5,800**	0.25 I	NA	NA
MW-13	1/25/2010		**5.31**	0.61 I	ND	ND	ND	0.88 I	**2,700**	ND	NA	NA
MW-14	1/26/2010		6.87	ND	ND	ND	ND	ND	81 I	0.21 I	NA	NA
MW-15	1/26/2010		**4.58**	0.55 I	ND	ND	ND	0.65 I	**5,400**	ND	NA	NA
MW-17	1/26/2010		**5.06**	ND	ND	ND	ND	ND	**7,200**	0.23 I	**6,100**	ND
MW-18	1/25/2010		**5.29**	0.53 I	NA	NA	ND	0.81 I	NA	NA	NA	NA
MW-19	1/25/2010		**6.23**	ND	NA	NA	ND	ND	NA	NA	NA	NA
QA/QC												
Eq Blank	7/20/2009		NA	ND	ND	ND	ND	ND	ND	0.74 I	ND	0.21 I
Trip Blank 30754	7/21/2009		NA	ND	NA	NA	ND	ND	NA	NA	NA	NA
Trip Blank 30730	7/20/2009		NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
Trip Blank 30755	7/21/2009		NA	ND	ND	ND	ND	ND	NA	NA	NA	NA

LEGEND
* - Primary Drinking Water Standard
** - Secondary Drinking Water Standard
*** - Chapter 62-777 Groundwater Cleanup Target Levels (GCTLs)
Values that are bolded & highlighted exceed GCTLs and/or Standards
NS - No Standard
ND - Not Detected (i.e. if present, concentration is below the method detection limit [MDL])
NA - Not Analyzed
I - Reported value is between the MDL and the laboratory practical quantitation limit (PQL)
J - Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

3.1 Well by Well Summary of Parameters that Exceeded Groundwater Quality Criteria during the First Semiannual Sampling Event in 2010

MW-1R – designated as a background monitoring well
pH – 5.33 S.U.

- Historically, the pH of all of the samples collected from 2002 to 2009 was below the 6.5 S.U. secondary drinking water standard criteria established in Chapter 62-550, F.A.C.

- Because a pH of 5.33 S.U. is comparable to historical values reported, the fact that the pH is below the 6.5 S.U. criteria is not considered to be significant.

MW-2 – designated as a background monitoring well
pH – 4.62 S.U.

- Historically, the pH of all of the samples collected from 2002 to 2009 was below the 6.5 S.U. criteria.

- Because the pH of samples collected from this well has historically been below 6.5 S.U., the fact that the pH is below the 6.5 S.U. criteria is not considered to be significant.

MW-3 – designated as a background monitoring well
pH – 4.86 S.U.

- Historically, the pH of all of the samples collected from 2002 to 2009 was below the 6.5 S.U. criteria.

- Because the pH of samples collected from this well has historically been below 6.5 S.U., the fact that the pH is below the 6.5 S.U. criteria is not considered to be significant.

Lead – 45 ug/L

- Historically, lead has been detected in all of the samples collected from 2007 to 2009 from this well, and was detected above the 15 ug/L MCL criteria established in Chapter 62-550, F.A.C. in the samples collected in July 2007 (27.8 ug/L) and July 2008 (15.6 V ug/L).

- The lead concentrations are not suspected to be the result of elevated turbidity of the sample as turbidity readings of these samples have been below 2 NTU.

- Although the concentration of lead detected during the sampling event this semester was slightly higher than recent detections in this well, it is not considered to be a concern because this is a background well.

<u>MW-6</u> – designated as a intermediate monitoring well

pH – 4.04 S.U.

- Historically, the pH of all of the samples collected from 2002 to 2009 was below the 6.5 S.U. criteria

- Because a pH of 4.04 S.U. is comparable to historical values reported, the fact that the pH is below the 6.5 S.U. criteria is not considered to be significant.

Bromodichloromethane – 1.1 ug/L

- Historically, all of the samples collected from 2002 to 2009 had concentrations of bromodichloromethane above the 0.6 ug/L Groundwater Cleanup Target Level (GCTL) criteria established in Chapter 62-777, F.A.C.

- The concentrations of bromodichloromethane detected in the samples collected in 2008 (3.2 & 2.9 ug/L) and the first semiannual sampling event in 2009 (1.7 ug/L) were also above the 0.6 ug/L criteria.

- Since bromodichloromethane has historically always exceeded the criteria and the concentration detected during this event (1.1 ug/L) is actually less than what as was detected in the sample collected in the second semiannual sampling event in 2009 (1.7 ug/L), the fact that bromodichloromethane is above the 0.6 ug/L criteria is not considered to be significant.

Dibromochloromethane – 3.9 ug/L

- Historically, all of the samples collected from 2002 to 2009 had concentrations of dibromochloromethane above the 0.4 ug/L GCTL criteria established in Chapter 62-777, F.A.C.

- Although the concentration of dibromochloromethane is slightly higher than concentrations recently detected in this well, the fact that dibromochloromethane is above the 0.4 ug/L criteria is not considered to be significant as it has historically always exceeded the criteria.

Vinyl Chloride – 1.9 ug/L

- Historically, all of the samples collected from 2002 to 2009 had concentrations of vinyl chloride above the 1.0 ug/L Maximum Contaminant Level (MCL) criteria established in Chapter 62-550, F.A.C.

- Since vinyl chloride has historically always exceeded the criteria, the fact that vinyl chloride is above the 1.0 ug/L criteria is not considered to be significant as it has historically always exceeded the criteria.

<u>MW-7</u> – designated as a background monitoring well
pH – 5.25 S.U.

- Historically, the pH of all of the samples collected from 2002 to 2009 was below the 6.5 S.U. criteria

- Because a pH of 5.25 S.U. is comparable to historical values reported, the fact that the pH is below the 6.5 S.U. criteria is not considered to be significant.

<u>MW-10</u> – designated as a compliance monitoring well
pH – 4.53

- Historically, the pH of all of the samples collected from 2005 to 2009 was below the 6.5 S.U. criteria

- Because a pH of 4.53 is comparable to historical values reported for this well, the fact that the pH is below the 6.5 S.U. criteria is not considered to be significant.

Benzene – 2.7 ug/L

- Historically, all of the samples collected from 2005 to 2009 had concentrations of benzene at or above the 1.0 ug/L MCL criteria established in Chapter 62-550, F.A.C. (range = 2.5 → 1.0 ug/L).

- Based on historical results, a concentration of benzene exceeding the 1.0 ug/L criteria is not considered to be significant. However, the 2.7 ug/L detected during this sampling event is slightly higher than the highest concentration of benzene that has been detected in this well (2.5 ug/L).

Methylene Chloride – 6.0 ug/L

- Historically, methylene chloride was only detected during four of the monitoring periods between 2005 to 2009. However, 6.5 ug/L of methylene chloride (a concentration above the 5.0 ug/L criteria) was detected in July 2009, and 5.4 ug/L methylene chloride was detected when the well was re-sampled in August 2009.

- Based on historical results, this is not the first time a concentration of methylene chloride exceeding the 5.0 ug/L criteria has been detected in this well. However, the 6.0 ug/L concentration detected during this sampling event is lower than the 6.5 ug/L detected during the first sampling event of last semester.

Vinyl Chloride – 3.2 ug/L

- Historically, all but one of the samples collected from 2005 to 2009 had concentrations of vinyl chloride above the 1.0 ug/L MCL criteria established in Chapter 62-550, F.A.C. (range = 5.0 → 0.92 I ug/L).

- Based on these results, the concentration of vinyl chloride is highly variable in this well.

- Because the concentration of vinyl chloride detected is so variable and historically has exceeded the 1.0 ug/L criteria, the fact that the concentrations of vinyl chloride detected exceed the 1.0 ug/L criteria is not considered to be significant.

Iron – 4,200 ug/L total & 3,100 ug/L dissolved

- Historically, all of the samples collected from 2005 to 2009 had concentrations of iron above the 300 ug/L criteria (range = 11,000 → 1,020 ug/L).
- However, the concentrations of total/dissolved iron detected in this sampling event are lower than the historical average. Therefore, the concentration of iron detected is not considered to be significant.

MW-11 – designated as a compliance monitoring well
None of the parameters that were analyzed in the groundwater sample collected from this well during the first semiannual sampling event for 2010 exceeded the groundwater quality criterion.

MW-12 – designated as a compliance monitoring well
Iron – 5,800 ug/L total

- Historically, all of the samples collected from 2005 to 2009 had concentrations of iron above the 300 ug/L criteria (range = 9,470 → 5,600 ug/L).

- Based on recent results, the concentration of total iron detected in the recent sampling event is comparable to historical values. Therefore, it is not considered to be significant.

MW-13 – designated as a compliance monitoring well
pH – 5.31 S.U.

- Historically, the pH of all of the samples collected from 2005 to 2009 was below the 6.5 S.U. criteria.

- Because a pH of 5.31 S.U. is comparable to historical values reported, the fact that the pH is below the 6.5 S.U. criteria is not considered to be significant.

Iron – 2,700 ug/L total

- Historically, all of the samples collected from 2005 to 2009 had concentrations of iron above the 300 ug/L criteria (range = 2,700 → 583 ug/L).

- Based on recent results, the concentration of total iron detected in the recent sampling event is comparable to recent historical values. Therefore, it is not considered to be significant.

MW-14 – designated as a compliance monitoring well
None of the parameters that were analyzed in the groundwater sample collected from this well during the first semiannual sampling event for 2010 exceeded the groundwater quality criterion.

<u>MW-15</u> – designated as a compliance monitoring well
pH – 4.58 S.U.

- Historically, the pH of all of the samples collected from 2005 to 2009 was below the 6.5 S.U. criteria.

- Because a pH of 4.58 S.U. is comparable to historical values reported, the fact that the pH is below the 6.5 S.U. criteria is not considered to be significant.

Iron – 5,400 ug/L total

- Historically, all of the samples collected from 2005 to 2007 had concentrations of iron above the 300 ug/L criteria (range = 4,000 → 640 ug/L).

- Although the concentration of total iron detected in the recent sampling event is slightly high compared to recent historical values, it is not considered to be significant as iron has historically always exceeded the criteria.

<u>MW-17</u> – designated as a compliance monitoring well
pH – 5.06 S.U.

- Historically, the pH of all of the samples collected from 2005 to 2009 was below the 6.5 S.U. criteria.

- Because a pH of 5.06 S.U. is comparable to historical values reported, the fact that the pH is below the 6.5 S.U. criteria is not considered to be significant.

Iron – 7,200 ug/L total & 6,100 ug/L dissolved

- Historically, all of the samples collected from 2005 to 2009 had concentrations of iron above the 300 ug/L criteria (range = 7,600 → 840 ug/L).

- Based on recent results, the concentration of total iron detected in the recent sampling event is comparable to recent historical values. Therefore, it is not considered to be significant.

<u>MW-18</u> – designated as an assessment monitoring well
pH – 5.29 S.U.

- Historically, the pH of the samples collected from 2007 to 2009 was below the 6.5 S.U. criteria.

- Because a pH of 5.29 S.U. is comparable to historical values reported, the fact that the pH is below the 6.5 S.U. criteria is not considered to be significant.

<u>MW-19</u> – designated as an assessment monitoring well
pH – 6.23 S.U.

- Historically, the pH of the samples collected from 2007 to 2009 was below the 6.5 S.U. criteria.

- Because a pH of 6.23 S.U. is comparable to historical values reported, the fact that the pH is below the 6.5 S.U. criteria is not considered to be significant.

3.2 Summary of Parameters that Exceeded Groundwater Quality Criteria during the First Semiannual Sampling Event in 2010

The following observations were made regarding the exceedances that were detected in the groundwater samples that were collected during the first semiannual sampling event for 2010:

IRON

Iron concentrations exceeded the MCL established in Chapter 62-550, F.A.C. in the samples from all of the monitor wells sampled except MW-1R, MW-2, MW-3, MW-6, MW-7, MW-11, and MW-14. Although the concentrations of iron detected in the background monitor wells did not exceed the MCL, the concentrations of iron detected in the samples collected during the first semiannual sampling event for 2010 were consistent with past sampling events, and therefore do not represent a significant concern.

LEAD

Lead was detected at a concentration that exceeded the MCL in the sample collected from MW-3. Although the concentration of total lead detected during this sampling event was anomalously high, it is not considered to be a concern in this well because concentrations of lead above the 15 ug/L MCL criteria have been detected in this well before and because this is a background well.

pH

Measured values of pH were below the acceptable range (6.5 to 8.5 S.U.) in the samples from all of the wells except MW-11, MW-12, and MW-14. The pHs measured in these three wells (7.17, 6.67 & 6.87, respectively) were only slightly above the low end of the acceptable range. Although the pHs measured in the other wells are below the low end of the acceptable range, they are comparable to historical values reported.

ORGANIC COMPOUNDS

Benzene & methylene chloride (in MW-10), bromodichloromethane & dibromochloromethane (in MW-6), and vinyl chloride (in MW-6 & MW-10) were the only organic compounds detected in concentrations that exceeded MCLs. These analytes had been detected at concentrations exceeding MCLs in samples from these wells during at least one of the previous monitoring events. In general, the concentrations detected are similar to the concentrations detected previously, therefore none of the wells were re-sampled to confirm the conditions.

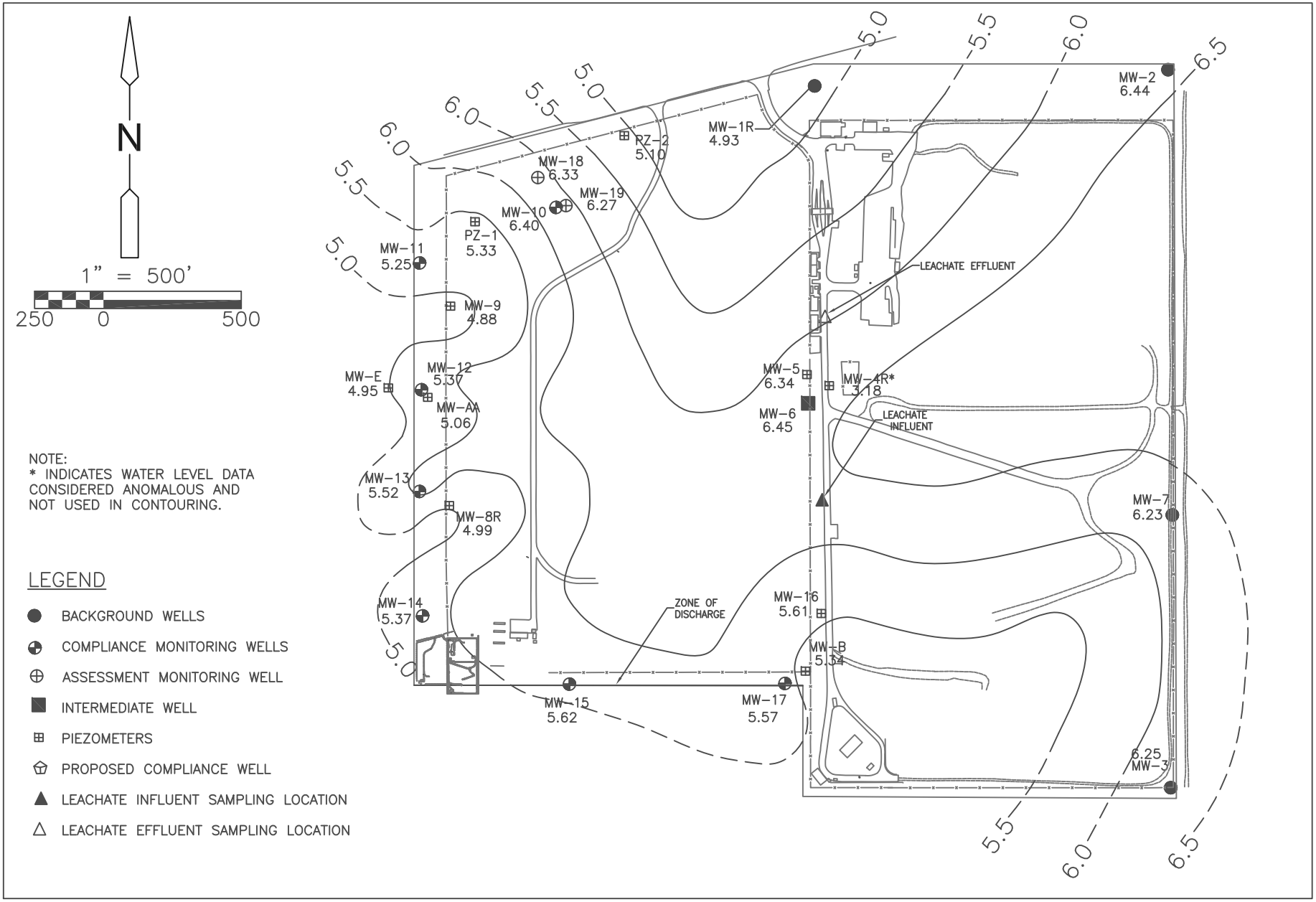
As stated in Section 3.1, the presence of benzene exceeding the 1.0 ug/L criteria in MW-10 is not considered to be significant because benzene has exceeded the 1.0 ug/L

criteria in all of the samples collected from this well since 2005. However, the 2.7 ug/L detected during this sampling event is the highest concentration that has been detected in this well. Although not consistently detected above the 5.0 ug/L criteria in MW-10 since 2005, a concentration of 6.0 ug/L methylene chloride was detected in MW-10 during this sampling event. Although 6.0 ug/L was detected during this sampling event, it is lower than the 6.7 ug/L that was detected in the last sampling event.

Although benzene & methylene chloride were detected above established criteria, the Chapter 62-780, F.A.C. assessment monitoring wells MW-18 and MW-19 were installed in 2007 to replace the compliance monitoring aspect of MW-10 and neither benzene nor methylene chloride were detected in MW-18 and MW-19 in the samples collected as part of this monitoring event.

Because bromodichloromethane & dibromochloromethane have historically always exceeded the established GCTL criteria in MW-6, and because the concentrations detected during this sampling event are similar to the concentrations detected during the second 2009 semiannual sampling event, they are not considered to be significant.

In this semiannual sampling event, vinyl chloride was detected at concentrations exceeding the 1.0 ug/L criteria in two monitor wells (MW-6 & MW-10); however, vinyl chloride has historically been detected at concentrations exceeding the criteria in both of these wells. The concentration of vinyl chloride detected in monitor well MW-6 is similar to concentrations previously detected in this well. The concentrations of vinyl chloride detected in monitoring MW-10 have historically been variable, but have been slightly higher than average during recent sampling events. Although vinyl chloride was detected above established criteria in MW-10, the Chapter 62-780, F.A.C. assessment monitor wells MW-18 and MW-19 were installed in 2007 to replace the compliance monitoring aspect of MW-10 and vinyl chloride was not detected above the criterion in MW-18 or MW-19 in the samples collected as part of this monitoring event. However, the concentrations of vinyl chloride in MW-6 & MW-10 should continue to be evaluated as routine monitoring continues.



Source: Survey obtained from Jones Edmunds, May 2009

CDM

consulting • engineering • construction • operations

FIGURE NO. 1
GROUNDWATER CONTOUR MAP FLORIDAN AQUIFER
CITRUS COUNTY CENTRAL LANDFILL
WATER LEVEL DATA COLLECTED - JANUARY 25, 2010

ANALYTICAL REPORT

Job Number: 660-33498-1

Job Description: Citrus County Landfill - 2010

For:
Camp Dresser & McKee Inc
1715 North Westshore Blvd.
Suite 875
Tampa, FL 33607

Attention: Mr. David Rojas

Approved for release.
Judith Beato
Project Manager I
2/19/2010 11:58 AM

Judith Beato
Project Manager I
judith.beato@testamericainc.com
02/19/2010

Methods: FDEP, DOH Certification #: E84282, E81005 These test results meet all the requirements of NELAC unless specified in the case narrative. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request. The results contained in this test report relate only to these samples included herein.

Job Narrative
660-33498-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
Method(s) 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-33498-1	**MW-18**					
Benzene		0.53	I	1.0	ug/L	8260B
Vinyl chloride		0.81	I	1.0	ug/L	8260B
Color		Clear			Color Units	Field Sampling
Field pH		5.29			SU	Field Sampling
Field Temperature		21.5			Degrees C	Field Sampling
Oxygen, Dissolved		1.25			mg/L	Field Sampling
Specific Conductance		73			umhos/cm	Field Sampling
Turbidity		31.0			NTU	Field Sampling
Water Level		110.27			ft	Field Sampling
660-33498-2	**MW-19**					
Color		Clear			Color Units	Field Sampling
Field pH		6.23			SU	Field Sampling
Field Temperature		22.8			Degrees C	Field Sampling
Oxygen, Dissolved		4.15			mg/L	Field Sampling
Specific Conductance		59			umhos/cm	Field Sampling
Turbidity		5.63			NTU	Field Sampling
Water Level		107.94			ft	Field Sampling
660-33498-3EB	**EQUIPMENT BLANK 33498**					
Dissolved						
Lead		0.21	I	1.5	ug/L	6020
Total Recoverable						
Lead		0.74	I	1.5	ug/L	6020
Cadmium		0.17	I	0.50	ug/L	6020
Silver		0.26	I	1.0	ug/L	6020
Cobalt		0.56		0.50	ug/L	6020

EXECUTIVE SUMMARY - Detections

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-33498-4	**MW-11**					
Color		Clear			Color Units	Field Sampling
Field pH		7.17			SU	Field Sampling
Field Temperature		23.2			Degrees C	Field Sampling
Oxygen, Dissolved		0.67			mg/L	Field Sampling
Specific Conductance		331			umhos/cm	Field Sampling
Turbidity		3.93			NTU	Field Sampling
Water Level		100.05			ft	Field Sampling
Chloride		5.1		0.50	mg/L	300.0
Nitrate as N		0.22	I	0.50	mg/L	353.2
Total Dissolved Solids		190		5.0	mg/L	SM 2540C
Total Recoverable						
Barium		17		5.0	ug/L	6020
Lead		0.28	I	1.5	ug/L	6020
Cobalt		0.17	I	0.50	ug/L	6020
Iron		64	I	100	ug/L	6020
Sodium		3.6		0.50	mg/L	6020

EXECUTIVE SUMMARY - Detections

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-33498-5	**MW-10**					
1,1-Dichloroethane		1.6		1.0	ug/L	8260B
1,4-Dichlorobenzene		8.3		1.0	ug/L	8260B
Benzene		2.7		1.0	ug/L	8260B
cis-1,2-Dichloroethene		8.9		1.0	ug/L	8260B
Methylene Chloride		6.0		5.0	ug/L	8260B
Vinyl chloride		3.2		1.0	ug/L	8260B
Xylenes, Total		9.2		3.0	ug/L	8260B
Color		Cloudy			Color Units	Field Sampling
Field pH		4.53			SU	Field Sampling
Field Temperature		21.8			Degrees C	Field Sampling
Oxygen, Dissolved		1.16			mg/L	Field Sampling
Specific Conductance		53			umhos/cm	Field Sampling
Turbidity		83.0			NTU	Field Sampling
Water Level		107.78			ft	Field Sampling
Chloride		7.0		0.50	mg/L	300.0
Total Dissolved Solids		24		5.0	mg/L	SM 2540C
Dissolved						
Arsenic		2.2	I	2.5	ug/L	6020
Barium		12		5.0	ug/L	6020
Cobalt		0.60		0.50	ug/L	6020
Lead		0.40	I	1.5	ug/L	6020
Zinc		11	I	20	ug/L	6020
Sodium		4.7		0.50	mg/L	6020
Iron		3100		100	ug/L	6020
Total Recoverable						
Arsenic		2.6		2.5	ug/L	6020
Barium		81		5.0	ug/L	6020
Lead		2.6		1.5	ug/L	6020
Chromium		4.7	I	5.0	ug/L	6020
Cobalt		0.58		0.50	ug/L	6020
Iron		4200		100	ug/L	6020
Zinc		10	I	20	ug/L	6020
Sodium		5.5		0.50	mg/L	6020

EXECUTIVE SUMMARY - Detections

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-33498-6	**MW-13**					
1,4-Dichlorobenzene		3.7		1.0	ug/L	8260B
Benzene		0.61	I	1.0	ug/L	8260B
cis-1,2-Dichloroethene		2.6		1.0	ug/L	8260B
Vinyl chloride		0.88	I	1.0	ug/L	8260B
Color		Clear			Color Units	Field Sampling
Field pH		5.31			SU	Field Sampling
Field Temperature		22.6			Degrees C	Field Sampling
Oxygen, Dissolved		2.78			mg/L	Field Sampling
Specific Conductance		86			umhos/cm	Field Sampling
Turbidity		4.90			NTU	Field Sampling
Water Level		107.03			ft	Field Sampling
Chloride		5.7		0.50	mg/L	300.0
Total Dissolved Solids		34		5.0	mg/L	SM 2540C
Total Recoverable						
Arsenic		3.8		2.5	ug/L	6020
Barium		3.3	I	5.0	ug/L	6020
Silver		0.49	I	1.0	ug/L	6020
Nickel		4.2	I	5.0	ug/L	6020
Cobalt		6.2		0.50	ug/L	6020
Iron		2700		100	ug/L	6020
Zinc		10	I	20	ug/L	6020
Sodium		3.5		0.50	mg/L	6020
660-33498-7	**MW-12**					
1,4-Dichlorobenzene		1.6		1.0	ug/L	8260B
Color		Clear			Color Units	Field Sampling
Field pH		6.67			SU	Field Sampling
Field Temperature		23.2			Degrees C	Field Sampling
Oxygen, Dissolved		3.12			mg/L	Field Sampling
Specific Conductance		611			umhos/cm	Field Sampling
Turbidity		4.82			NTU	Field Sampling
Water Level		98.51			ft	Field Sampling
Chloride		4.5		0.50	mg/L	300.0
Ammonia (as N)		0.33		0.020	mg/L	350.1
Total Dissolved Solids		330		5.0	mg/L	SM 2540C
Total Recoverable						
Arsenic		3.8		2.5	ug/L	6020
Barium		16		5.0	ug/L	6020
Lead		0.25	I	1.5	ug/L	6020
Cobalt		1.1		0.50	ug/L	6020
Iron		5800		100	ug/L	6020
Sodium		3.2		0.50	mg/L	6020

METHOD SUMMARY

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL TAM	SW846 8260B	
Purge and Trap	TAL TAM		SW846 5030B
EDB, DBCP, and 1,2,3-TCP (GC)	TAL TAM	SW846 8011	
Microextraction	TAL TAM		SW846 8011
Metals (ICP/MS)	TAL SAV	SW846 6020	
Sample Filtration, Field	TAL SAV		FIELD_FLTRD
Preparation, Total Recoverable or Dissolved Metals	TAL SAV		SW846 3005A
Mercury (CVAA)	TAL SAV	SW846 7470A	
Sample Filtration, Field	TAL SAV		FIELD_FLTRD
Preparation, Mercury	TAL SAV		SW846 7470A
Anions, Ion Chromatography	TAL TAM	MCAWW 300.0	
Nitrogen, Ammonia	TAL TAM	MCAWW 350.1	
Nitrogen, Nitrate-Nitrite	TAL TAM	MCAWW 353.2	
Solids, Total Dissolved (TDS)	TAL TAM	SM SM 2540C	
Field Sampling	TAL TAM	EPA Field Sampling	

Lab References:

TAL SAV = TestAmerica Savannah

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Method	Analyst	Analyst ID
SW846 8260B	Perrin, Todd	TP
SW846 8011	Ballard, James	JB
SW846 6020	Boyuk, Brian	BB
SW846 6020	Robertson, Bryn	BR
SW846 7470A	Eaton, Cliff	CE
EPA Field Sampling	Sampler, Field	FS
MCAWW 300.0	Cerome, Saurel	SC
MCAWW 350.1	Steward, Tiffany	TS
MCAWW 353.2	Steward, Tiffany	TS
SM SM 2540C	Oonnoonny, Thomas	TO

SAMPLE SUMMARY

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-33498-1	MW-18	Water	01/25/2010 1200	01/26/2010 0846
660-33498-2	MW-19	Water	01/25/2010 1324	01/26/2010 0846
660-33498-3EB	Equipment Blank 33498	Water	01/25/2010 1415	01/26/2010 0846
660-33498-4	MW-11	Water	01/25/2010 1455	01/26/2010 0846
660-33498-5	MW-10	Water	01/25/2010 1214	01/26/2010 0846
660-33498-6	MW-13	Water	01/25/2010 1356	01/26/2010 0846
660-33498-7	MW-12	Water	01/25/2010 1530	01/26/2010 0846
660-33498-8TB	Trip Blank 33498	Water	01/25/2010 1200	01/26/2010 0846

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-18**

Lab Sample ID: 660-33498-1

Client Matrix: Water

Date Sampled: 01/25/2010 1200

Date Received: 01/26/2010 0846

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90020	Instrument ID:	BVMH5973
Preparation:	5030B		Lab File ID:	1HA2828.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	01/28/2010 2028		Final Weight/Volume:	5 mL
Date Prepared:	01/28/2010 2028			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Benzene	0.53	I	0.50	1.0
Methylene Chloride	4.0	U	4.0	5.0
Vinyl chloride	0.81	I	0.50	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	93		70 - 130
Dibromofluoromethane	94		70 - 130
Toluene-d8 (Surr)	95		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-19**

Lab Sample ID: 660-33498-2

Client Matrix: Water

Date Sampled: 01/25/2010 1324

Date Received: 01/26/2010 0846

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90020	Instrument ID:	BVMH5973
Preparation:	5030B		Lab File ID:	1HA2829.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	01/28/2010 2050		Final Weight/Volume:	5 mL
Date Prepared:	01/28/2010 2050			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Benzene	0.50	U	0.50	1.0
Methylene Chloride	4.0	U	4.0	5.0
Vinyl chloride	0.50	U	0.50	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	93		70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **Equipment Blank 33498**

Lab Sample ID: 660-33498-3EB

Client Matrix: Water

Date Sampled: 01/25/2010 1415

Date Received: 01/26/2010 0846

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Preparation: 5030B

Dilution: 1.0

Date Analyzed: 01/28/2010 2006

Date Prepared: 01/28/2010 2006

Analysis Batch: 660-90020

Instrument ID: BVMH5973

Lab File ID: 1HA2827.D

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
2-Butanone (MEK)	8.4	U	8.4	10
2-Hexanone	4.4	U	4.4	10
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	2.5	U	2.5	5.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chloromethane	1.0	U	1.0	4.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
Dibromomethane	0.41	U	0.41	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Ethylbenzene	0.44	U	0.44	1.0
Ethylene Dibromide	0.50	U	0.50	1.0
Iodomethane	2.5	U	2.5	5.0
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	2.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **Equipment Blank 33498**

Lab Sample ID: 660-33498-3EB

Client Matrix: Water

Date Sampled: 01/25/2010 1415

Date Received: 01/26/2010 0846

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90020	Instrument ID:	BVMH5973
Preparation:	5030B		Lab File ID:	1HA2827.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	01/28/2010 2006		Final Weight/Volume:	5 mL
Date Prepared:	01/28/2010 2006			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	94		70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-11**

Lab Sample ID: 660-33498-4
Client Matrix: Water

Date Sampled: 01/25/2010 1455
Date Received: 01/26/2010 0846

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 01/28/2010 2112
Date Prepared: 01/28/2010 2112

Analysis Batch: 660-90020

Instrument ID: BVMH5973
Lab File ID: 1HA2830.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
2-Butanone (MEK)	8.4	U	8.4	10
2-Hexanone	4.4	U	4.4	10
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	2.5	U	2.5	5.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chloromethane	1.0	U	1.0	4.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
Dibromomethane	0.41	U	0.41	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Ethylbenzene	0.44	U	0.44	1.0
Ethylene Dibromide	0.50	U	0.50	1.0
Iodomethane	2.5	U	2.5	5.0
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	2.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-11**

Lab Sample ID: 660-33498-4
Client Matrix: Water

Date Sampled: 01/25/2010 1455
Date Received: 01/26/2010 0846

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90020	Instrument ID:	BVMH5973
Preparation:	5030B		Lab File ID:	1HA2830.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	01/28/2010 2112		Final Weight/Volume:	5 mL
Date Prepared:	01/28/2010 2112			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	94		70 - 130
Dibromofluoromethane	92		70 - 130
Toluene-d8 (Surr)	92		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-10**

Lab Sample ID: 660-33498-5
Client Matrix: Water

Date Sampled: 01/25/2010 1214
Date Received: 01/26/2010 0846

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 01/28/2010 2134
Date Prepared: 01/28/2010 2134

Analysis Batch: 660-90020

Instrument ID: BVMH5973
Lab File ID: 1HA2831.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
1,1-Dichloroethane	1.6		0.52	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
1,4-Dichlorobenzene	8.3		0.52	1.0
2-Butanone (MEK)	8.4	U	8.4	10
2-Hexanone	4.4	U	4.4	10
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	2.7		0.50	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	2.5	U	2.5	5.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chloromethane	1.0	U	1.0	4.0
cis-1,2-Dichloroethene	8.9		0.65	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
Dibromomethane	0.41	U	0.41	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Ethylbenzene	0.44	U	0.44	1.0
Ethylene Dibromide	0.50	U	0.50	1.0
Iodomethane	2.5	U	2.5	5.0
Methylene Chloride	6.0		4.0	5.0
Styrene	0.98	U	0.98	2.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	3.2		0.50	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-10**

Lab Sample ID: 660-33498-5

Client Matrix: Water

Date Sampled: 01/25/2010 1214

Date Received: 01/26/2010 0846

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90020	Instrument ID:	BVMH5973
Preparation:	5030B		Lab File ID:	1HA2831.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	01/28/2010 2134		Final Weight/Volume:	5 mL
Date Prepared:	01/28/2010 2134			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Xylenes, Total	9.2		0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	95		70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8 (Surr)	103		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-13**

Lab Sample ID: 660-33498-6
Client Matrix: Water

Date Sampled: 01/25/2010 1356
Date Received: 01/26/2010 0846

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 01/28/2010 2156
Date Prepared: 01/28/2010 2156

Analysis Batch: 660-90020

Instrument ID: BVMH5973
Lab File ID: 1HA2832.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
1,4-Dichlorobenzene	3.7		0.52	1.0
2-Butanone (MEK)	8.4	U	8.4	10
2-Hexanone	4.4	U	4.4	10
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.61	I	0.50	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	2.5	U	2.5	5.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chloromethane	1.0	U	1.0	4.0
cis-1,2-Dichloroethene	2.6		0.65	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
Dibromomethane	0.41	U	0.41	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Ethylbenzene	0.44	U	0.44	1.0
Ethylene Dibromide	0.50	U	0.50	1.0
Iodomethane	2.5	U	2.5	5.0
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	2.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.88	I	0.50	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-13**

Lab Sample ID: 660-33498-6

Client Matrix: Water

Date Sampled: 01/25/2010 1356

Date Received: 01/26/2010 0846

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90020	Instrument ID:	BVMH5973
Preparation:	5030B		Lab File ID:	1HA2832.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	01/28/2010 2156		Final Weight/Volume:	5 mL
Date Prepared:	01/28/2010 2156			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	93		70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8 (Surr)	92		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-12**

Lab Sample ID: 660-33498-7
Client Matrix: Water

Date Sampled: 01/25/2010 1530
Date Received: 01/26/2010 0846

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 01/28/2010 2219
Date Prepared: 01/28/2010 2219

Analysis Batch: 660-90020

Instrument ID: BVMH5973
Lab File ID: 1HA2833.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
1,4-Dichlorobenzene	1.6		0.52	1.0
2-Butanone (MEK)	8.4	U	8.4	10
2-Hexanone	4.4	U	4.4	10
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	2.5	U	2.5	5.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chloromethane	1.0	U	1.0	4.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
Dibromomethane	0.41	U	0.41	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Ethylbenzene	0.44	U	0.44	1.0
Ethylene Dibromide	0.50	U	0.50	1.0
Iodomethane	2.5	U	2.5	5.0
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	2.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-12**

Lab Sample ID: 660-33498-7

Client Matrix: Water

Date Sampled: 01/25/2010 1530

Date Received: 01/26/2010 0846

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90020	Instrument ID:	BVMH5973
Preparation:	5030B		Lab File ID:	1HA2833.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	01/28/2010 2219		Final Weight/Volume:	5 mL
Date Prepared:	01/28/2010 2219			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	91		70 - 130
Toluene-d8 (Surr)	105		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **Trip Blank 33498**

Lab Sample ID: 660-33498-8TB
Client Matrix: Water

Date Sampled: 01/25/2010 1200
Date Received: 01/26/2010 0846

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 01/28/2010 1943
Date Prepared: 01/28/2010 1943

Analysis Batch: 660-90020

Instrument ID: BVMH5973
Lab File ID: 1HA2826.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
2-Butanone (MEK)	8.4	U	8.4	10
2-Hexanone	4.4	U	4.4	10
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	2.5	U	2.5	5.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chloromethane	1.0	U	1.0	4.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
Dibromomethane	0.41	U	0.41	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Ethylbenzene	0.44	U	0.44	1.0
Ethylene Dibromide	0.50	U	0.50	1.0
Iodomethane	2.5	U	2.5	5.0
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	2.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **Trip Blank 33498**

Lab Sample ID: 660-33498-8TB

Client Matrix: Water

Date Sampled: 01/25/2010 1200

Date Received: 01/26/2010 0846

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90020	Instrument ID:	BVMH5973
Preparation:	5030B		Lab File ID:	1HA2826.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	01/28/2010 1943		Final Weight/Volume:	5 mL
Date Prepared:	01/28/2010 1943			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	94		70 - 130
Dibromofluoromethane	94		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **Equipment Blank 33498**

Lab Sample ID: 660-33498-3EB

Client Matrix: Water

Date Sampled: 01/25/2010 1415

Date Received: 01/26/2010 0846

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 660-90072		Instrument ID:	BSGU
Preparation:	8011	Prep Batch: 660-90069		Initial Weight/Volume:	35.8573 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	01/28/2010 2004			Injection Volume:	4 uL
Date Prepared:	01/28/2010 1430			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0098	U	0.0098	0.020
Ethylene Dibromide	0.0098	U	0.0098	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	105		60 - 140

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-11**

Lab Sample ID: 660-33498-4

Client Matrix: Water

Date Sampled: 01/25/2010 1455

Date Received: 01/26/2010 0846

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 660-90072		Instrument ID:	BSGU
Preparation:	8011	Prep Batch: 660-90069		Initial Weight/Volume:	34.4377 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	01/28/2010 1822			Injection Volume:	4 uL
Date Prepared:	01/28/2010 1430			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.020
Ethylene Dibromide	0.010	U	0.010	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	101		60 - 140

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-10**

Lab Sample ID: 660-33498-5

Client Matrix: Water

Date Sampled: 01/25/2010 1214

Date Received: 01/26/2010 0846

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 660-90072		Instrument ID:	BSGU
Preparation:	8011	Prep Batch: 660-90069		Initial Weight/Volume:	35.6040 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	01/28/2010 1902			Injection Volume:	4 uL
Date Prepared:	01/28/2010 1430			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0098	U	0.0098	0.020
Ethylene Dibromide	0.0098	U	0.0098	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	93		60 - 140

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-13**

Lab Sample ID: 660-33498-6

Client Matrix: Water

Date Sampled: 01/25/2010 1356

Date Received: 01/26/2010 0846

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 660-90072		Instrument ID:	BSGU
Preparation:	8011	Prep Batch: 660-90069		Initial Weight/Volume:	35.9379 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	01/28/2010 1944			Injection Volume:	4 uL
Date Prepared:	01/28/2010 1430			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0097	U	0.0097	0.019
Ethylene Dibromide	0.0097	U	0.0097	0.019

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	102		60 - 140

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-12**

Lab Sample ID: 660-33498-7

Client Matrix: Water

Date Sampled: 01/25/2010 1530

Date Received: 01/26/2010 0846

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 660-90072		Instrument ID:	BSGU
Preparation:	8011	Prep Batch: 660-90069		Initial Weight/Volume:	33.2557 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	01/28/2010 2024			Injection Volume:	4 uL
Date Prepared:	01/28/2010 1430			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.011	U	0.011	0.021
Ethylene Dibromide	0.011	U	0.011	0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	106		60 - 140

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **Equipment Blank 33498**

Lab Sample ID: 660-33498-3EB
Client Matrix: Water

Date Sampled: 01/25/2010 1415
Date Received: 01/26/2010 0846

6020 Metals (ICP/MS)-Total Recoverable

Method: 6020
Preparation: 3005A
Dilution: 1.0
Date Analyzed: 01/28/2010 1650
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	0.25	U	0.25	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	1.3	U	1.3	2.5
Barium	1.3	U	1.3	5.0
Beryllium	0.25	U	0.25	0.50
Lead	0.74	I	0.20	1.5
Selenium	1.0	U	1.0	2.5
Cadmium	0.17	I	0.095	0.50
Silver	0.26	I	0.25	1.0
Chromium	2.5	U	2.5	5.0
Nickel	2.0	U	2.0	5.0
Cobalt	0.56		0.15	0.50
Copper	1.1	U	1.1	5.0
Iron	33	U	33	100
Vanadium	3.8	U	3.8	10
Zinc	8.3	U	8.3	20
Thallium	0.50	U	0.50	1.0

6020 Metals (ICP/MS)-Dissolved

Method: 6020
Preparation: 3005A
Dilution: 1.0
Date Analyzed: 02/03/2010 2130
Date Prepared: 02/01/2010 1121

Analysis Batch: 680-159933
Prep Batch: 680-159629

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	0.25	U	0.25	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	1.3	U	1.3	2.5
Barium	1.3	U	1.3	5.0
Beryllium	0.25	U	0.25	0.50
Cadmium	0.095	U	0.095	0.50
Chromium	2.5	U	2.5	5.0
Cobalt	0.15	U	0.15	0.50
Copper	1.1	U	1.1	5.0
Lead	0.21	I	0.20	1.5
Nickel	2.0	U	2.0	5.0
Selenium	1.0	U	1.0	2.5
Silver	0.25	U	0.25	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **Equipment Blank 33498**

Lab Sample ID: 660-33498-3EB
Client Matrix: Water

Date Sampled: 01/25/2010 1415
Date Received: 01/26/2010 0846

6020 Metals (ICP/MS)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vanadium	3.8	U	3.8	10
Zinc	8.3	U	8.3	20
Thallium	0.50	U	0.50	1.0
Iron	33	U	33	100

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 680-160942	Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-160674	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	02/16/2010 1826		Final Weight/Volume:	50 mL
Date Prepared:	02/12/2010 1308			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.091	U	0.091	0.20

7470A Mercury (CVAA)-Dissolved

Method:	7470A	Analysis Batch: 680-160942	Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-160432	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	02/16/2010 1746		Final Weight/Volume:	50 mL
Date Prepared:	02/10/2010 1401			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.091	U	0.091	0.20

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-11**

Lab Sample ID: 660-33498-4
Client Matrix: Water

Date Sampled: 01/25/2010 1455
Date Received: 01/26/2010 0846

6020 Metals (ICP/MS)-Total Recoverable

Method:	6020	Analysis Batch: 680-159526		Instrument ID:	ICPMSA
Preparation:	3005A	Prep Batch: 680-159398		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	01/28/2010 1659			Final Weight/Volume:	250 mL
Date Prepared:	01/28/2010 1115				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.6		0.25	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	1.3	U	1.3	2.5
Barium	17		1.3	5.0
Beryllium	0.25	U	0.25	0.50
Lead	0.28	I	0.20	1.5
Selenium	1.0	U	1.0	2.5
Cadmium	0.095	U	0.095	0.50
Silver	0.25	U	0.25	1.0
Chromium	2.5	U	2.5	5.0
Nickel	2.0	U	2.0	5.0
Cobalt	0.17	I	0.15	0.50
Copper	1.1	U	1.1	5.0
Iron	64	I	33	100
Vanadium	3.8	U	3.8	10
Zinc	8.3	U	8.3	20
Thallium	0.50	U	0.50	1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 680-160942		Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-160674		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	02/16/2010 1829			Final Weight/Volume:	50 mL
Date Prepared:	02/12/2010 1308				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.091	U	0.091	0.20

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-10**

Lab Sample ID: 660-33498-5
Client Matrix: Water

Date Sampled: 01/25/2010 1214
Date Received: 01/26/2010 0846

6020 Metals (ICP/MS)-Total Recoverable

Method: 6020
Preparation: 3005A
Dilution: 1.0
Date Analyzed: 01/28/2010 1706
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	5.5		0.25	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	2.6		1.3	2.5
Barium	81		1.3	5.0
Beryllium	0.25	U	0.25	0.50
Lead	2.6		0.20	1.5
Selenium	1.0	U	1.0	2.5
Cadmium	0.095	U	0.095	0.50
Silver	0.25	U	0.25	1.0
Chromium	4.7	I	2.5	5.0
Nickel	2.0	U	2.0	5.0
Cobalt	0.58		0.15	0.50
Copper	1.1	U	1.1	5.0
Iron	4200		33	100
Vanadium	3.8	U	3.8	10
Zinc	10	I	8.3	20
Thallium	0.50	U	0.50	1.0

6020 Metals (ICP/MS)-Dissolved

Method: 6020
Preparation: 3005A
Dilution: 1.0
Date Analyzed: 02/03/2010 2144
Date Prepared: 02/01/2010 1121

Analysis Batch: 680-159933
Prep Batch: 680-159629

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	4.7		0.25	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	2.2	I	1.3	2.5
Barium	12		1.3	5.0
Beryllium	0.25	U	0.25	0.50
Cadmium	0.095	U	0.095	0.50
Chromium	2.5	U	2.5	5.0
Cobalt	0.60		0.15	0.50
Copper	1.1	U	1.1	5.0
Lead	0.40	I	0.20	1.5
Nickel	2.0	U	2.0	5.0
Selenium	1.0	U	1.0	2.5
Silver	0.25	U	0.25	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-10**

Lab Sample ID: 660-33498-5
Client Matrix: Water

Date Sampled: 01/25/2010 1214
Date Received: 01/26/2010 0846

6020 Metals (ICP/MS)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vanadium	3.8	U	3.8	10
Zinc	11	I	8.3	20
Thallium	0.50	U	0.50	1.0
Iron	3100		33	100

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 680-160942	Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-160674	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	02/16/2010 1832		Final Weight/Volume:	50 mL
Date Prepared:	02/12/2010 1308			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.091	U	0.091	0.20

7470A Mercury (CVAA)-Dissolved

Method:	7470A	Analysis Batch: 680-160942	Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-160432	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	02/16/2010 1749		Final Weight/Volume:	50 mL
Date Prepared:	02/12/2010 1414			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.091	U	0.091	0.20

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-13**

Lab Sample ID: 660-33498-6
Client Matrix: Water

Date Sampled: 01/25/2010 1356
Date Received: 01/26/2010 0846

6020 Metals (ICP/MS)-Total Recoverable

Method:	6020	Analysis Batch: 680-159526		Instrument ID:	ICPMSA
Preparation:	3005A	Prep Batch: 680-159398		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	01/28/2010 1713			Final Weight/Volume:	250 mL
Date Prepared:	01/28/2010 1115				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.5		0.25	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	3.8		1.3	2.5
Barium	3.3	I	1.3	5.0
Beryllium	0.25	U	0.25	0.50
Lead	0.20	U	0.20	1.5
Selenium	1.0	U	1.0	2.5
Cadmium	0.095	U	0.095	0.50
Silver	0.49	I	0.25	1.0
Chromium	2.5	U	2.5	5.0
Nickel	4.2	I	2.0	5.0
Cobalt	6.2		0.15	0.50
Copper	1.1	U	1.1	5.0
Iron	2700		33	100
Vanadium	3.8	U	3.8	10
Zinc	10	I	8.3	20
Thallium	0.50	U	0.50	1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 680-160942		Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-160674		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	02/16/2010 1841			Final Weight/Volume:	50 mL
Date Prepared:	02/12/2010 1308				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.091	U	0.091	0.20

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Client Sample ID: **MW-12**

Lab Sample ID: 660-33498-7
Client Matrix: Water

Date Sampled: 01/25/2010 1530
Date Received: 01/26/2010 0846

6020 Metals (ICP/MS)-Total Recoverable

Method:	6020	Analysis Batch: 680-159526		Instrument ID:	ICPMSA
Preparation:	3005A	Prep Batch: 680-159398		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	01/28/2010 1720			Final Weight/Volume:	250 mL
Date Prepared:	01/28/2010 1115				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.2		0.25	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	3.8		1.3	2.5
Barium	16		1.3	5.0
Beryllium	0.25	U	0.25	0.50
Lead	0.25	I	0.20	1.5
Selenium	1.0	U	1.0	2.5
Cadmium	0.095	U	0.095	0.50
Silver	0.25	U	0.25	1.0
Chromium	2.5	U	2.5	5.0
Nickel	2.0	U	2.0	5.0
Cobalt	1.1		0.15	0.50
Copper	1.1	U	1.1	5.0
Iron	5800		33	100
Vanadium	3.8	U	3.8	10
Zinc	8.3	U	8.3	20
Thallium	0.50	U	0.50	1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 680-160942		Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-160674		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	02/16/2010 1851			Final Weight/Volume:	50 mL
Date Prepared:	02/12/2010 1308				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.091	U	0.091	0.20

General Chemistry

Client Sample ID: **Equipment Blank 33498**

Lab Sample ID: 660-33498-3EB Date Sampled: 01/25/2010 1415
Client Matrix: Water Date Received: 01/26/2010 0846

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Chloride	0.20	U	mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-89948	Date Analyzed: 01/26/2010 1525						
Ammonia (as N)	0.010	U	mg/L	0.010	0.020	1.0	350.1
Analysis Batch: 660-90114	Date Analyzed: 02/01/2010 1229						
Nitrate as N	0.10	U	mg/L	0.10	0.50	1.0	353.2
Analysis Batch: 660-89964	Date Analyzed: 01/27/2010 0846						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Total Dissolved Solids	5.0	U	mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-89962	Date Analyzed: 01/27/2010 1323						

General Chemistry

Client Sample ID: MW-11

Lab Sample ID: 660-33498-4 Date Sampled: 01/25/2010 1455
Client Matrix: Water Date Received: 01/26/2010 0846

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Chloride	5.1		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-89948	Date Analyzed: 01/26/2010 1542						
Ammonia (as N)	0.010	U	mg/L	0.010	0.020	1.0	350.1
Analysis Batch: 660-90114	Date Analyzed: 02/01/2010 1230						
Nitrate as N	0.22	I	mg/L	0.10	0.50	1.0	353.2
Analysis Batch: 660-89964	Date Analyzed: 01/27/2010 0846						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Total Dissolved Solids	190		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-89962	Date Analyzed: 01/27/2010 1324						

General Chemistry

Client Sample ID: MW-10

Lab Sample ID: 660-33498-5 Date Sampled: 01/25/2010 1214
Client Matrix: Water Date Received: 01/26/2010 0846

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Chloride	7.0		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-89948	Date Analyzed: 01/26/2010 1600						
Ammonia (as N)	0.010	U	mg/L	0.010	0.020	1.0	350.1
Analysis Batch: 660-90114	Date Analyzed: 02/01/2010 1232						
Nitrate as N	0.10	U	mg/L	0.10	0.50	1.0	353.2
Analysis Batch: 660-89964	Date Analyzed: 01/27/2010 0846						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Total Dissolved Solids	24		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-89962	Date Analyzed: 01/27/2010 1325						

General Chemistry

Client Sample ID: MW-13

Lab Sample ID: 660-33498-6 Date Sampled: 01/25/2010 1356
Client Matrix: Water Date Received: 01/26/2010 0846

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Chloride	5.7		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-89948	Date Analyzed: 01/26/2010 1617						
Ammonia (as N)	0.010	U	mg/L	0.010	0.020	1.0	350.1
Analysis Batch: 660-90114	Date Analyzed: 02/01/2010 1233						
Nitrate as N	0.10	U	mg/L	0.10	0.50	1.0	353.2
Analysis Batch: 660-89964	Date Analyzed: 01/27/2010 0846						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Total Dissolved Solids	34		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-89962	Date Analyzed: 01/27/2010 1325						

General Chemistry

Client Sample ID: MW-12

Lab Sample ID: 660-33498-7 Date Sampled: 01/25/2010 1530
Client Matrix: Water Date Received: 01/26/2010 0846

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Chloride	4.5		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-89948	Date Analyzed: 01/26/2010 1635						
Ammonia (as N)	0.33		mg/L	0.010	0.020	1.0	350.1
Analysis Batch: 660-90114	Date Analyzed: 02/01/2010 1234						
Nitrate as N	0.10	U	mg/L	0.10	0.50	1.0	353.2
Analysis Batch: 660-89964	Date Analyzed: 01/27/2010 0846						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Total Dissolved Solids	330		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-89962	Date Analyzed: 01/27/2010 1326						

Field Service / Mobile Lab

Client Sample ID: **MW-18**

Lab Sample ID: 660-33498-1
Client Matrix: Water

Date Sampled: 01/25/2010 1200
Date Received: 01/26/2010 0846

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Color	Clear		Color Units	1.0	Field Sampling	660-90543	01/25/2010 1200
Field pH	5.29		SU	1.0	Field Sampling	660-90543	01/25/2010 1200
Field Temperature	21.5		Degrees C	1.0	Field Sampling	660-90543	01/25/2010 1200
Oxygen, Dissolved	1.25		mg/L	1.0	Field Sampling	660-90543	01/25/2010 1200
Specific Conductance	73		umhos/cm	1.0	Field Sampling	660-90543	01/25/2010 1200
Turbidity	31.0		NTU	1.0	Field Sampling	660-90543	01/25/2010 1200
Water Level	110.27		ft	1.0	Field Sampling	660-90543	01/25/2010 1200

Field Service / Mobile Lab

Client Sample ID: **MW-19**

Lab Sample ID: 660-33498-2
Client Matrix: Water

Date Sampled: 01/25/2010 1324
Date Received: 01/26/2010 0846

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Color	Clear		Color Units	1.0	Field Sampling	660-90543	01/25/2010 1324
Field pH	6.23		SU	1.0	Field Sampling	660-90543	01/25/2010 1324
Field Temperature	22.8		Degrees C	1.0	Field Sampling	660-90543	01/25/2010 1324
Oxygen, Dissolved	4.15		mg/L	1.0	Field Sampling	660-90543	01/25/2010 1324
Specific Conductance	59		umhos/cm	1.0	Field Sampling	660-90543	01/25/2010 1324
Turbidity	5.63		NTU	1.0	Field Sampling	660-90543	01/25/2010 1324
Water Level	107.94		ft	1.0	Field Sampling	660-90543	01/25/2010 1324

Field Service / Mobile Lab

Client Sample ID: **MW-11**

Lab Sample ID: 660-33498-4
Client Matrix: Water

Date Sampled: 01/25/2010 1455
Date Received: 01/26/2010 0846

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Color	Clear		Color Units	1.0	Field Sampling	660-90543	01/25/2010 1455
Field pH	7.17		SU	1.0	Field Sampling	660-90543	01/25/2010 1455
Field Temperature	23.2		Degrees C	1.0	Field Sampling	660-90543	01/25/2010 1455
Oxygen, Dissolved	0.67		mg/L	1.0	Field Sampling	660-90543	01/25/2010 1455
Specific Conductance	331		umhos/cm	1.0	Field Sampling	660-90543	01/25/2010 1455
Turbidity	3.93		NTU	1.0	Field Sampling	660-90543	01/25/2010 1455
Water Level	100.05		ft	1.0	Field Sampling	660-90543	01/25/2010 1455

Field Service / Mobile Lab

Client Sample ID: **MW-10**

Lab Sample ID: 660-33498-5
Client Matrix: Water

Date Sampled: 01/25/2010 1214
Date Received: 01/26/2010 0846

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Color	Cloudy		Color Units	1.0	Field Sampling	660-90543	01/25/2010 1214
Field pH	4.53		SU	1.0	Field Sampling	660-90543	01/25/2010 1214
Field Temperature	21.8		Degrees C	1.0	Field Sampling	660-90543	01/25/2010 1214
Oxygen, Dissolved	1.16		mg/L	1.0	Field Sampling	660-90543	01/25/2010 1214
Specific Conductance	53		umhos/cm	1.0	Field Sampling	660-90543	01/25/2010 1214
Turbidity	83.0		NTU	1.0	Field Sampling	660-90543	01/25/2010 1214
Water Level	107.78		ft	1.0	Field Sampling	660-90543	01/25/2010 1214

Field Service / Mobile Lab

Client Sample ID: **MW-13**

Lab Sample ID: 660-33498-6
Client Matrix: Water

Date Sampled: 01/25/2010 1356
Date Received: 01/26/2010 0846

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Color	Clear		Color Units	1.0	Field Sampling	660-90543	01/25/2010 1356
Field pH	5.31		SU	1.0	Field Sampling	660-90543	01/25/2010 1356
Field Temperature	22.6		Degrees C	1.0	Field Sampling	660-90543	01/25/2010 1356
Oxygen, Dissolved	2.78		mg/L	1.0	Field Sampling	660-90543	01/25/2010 1356
Specific Conductance	86		umhos/cm	1.0	Field Sampling	660-90543	01/25/2010 1356
Turbidity	4.90		NTU	1.0	Field Sampling	660-90543	01/25/2010 1356
Water Level	107.03		ft	1.0	Field Sampling	660-90543	01/25/2010 1356

Field Service / Mobile Lab

Client Sample ID: **MW-12**

Lab Sample ID: 660-33498-7
Client Matrix: Water

Date Sampled: 01/25/2010 1530
Date Received: 01/26/2010 0846

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Color	Clear		Color Units	1.0	Field Sampling	660-90543	01/25/2010 1530
Field pH	6.67		SU	1.0	Field Sampling	660-90543	01/25/2010 1530
Field Temperature	23.2		Degrees C	1.0	Field Sampling	660-90543	01/25/2010 1530
Oxygen, Dissolved	3.12		mg/L	1.0	Field Sampling	660-90543	01/25/2010 1530
Specific Conductance	611		umhos/cm	1.0	Field Sampling	660-90543	01/25/2010 1530
Turbidity	4.82		NTU	1.0	Field Sampling	660-90543	01/25/2010 1530
Water Level	98.51		ft	1.0	Field Sampling	660-90543	01/25/2010 1530

DATA REPORTING QUALIFIERS

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
GC Semi VOA		
	U	Indicates that the compound was analyzed for but not detected.
Metals		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Method Blank - Batch: 660-90020

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-90020/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1324
Date Prepared: 01/28/2010 1324

Analysis Batch: 660-90020
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH5973
Lab File ID: 1HA2810.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
1,1-Dichloroethane	0.52	U	0.52	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
2-Butanone (MEK)	8.4	U	8.4	10
2-Hexanone	4.4	U	4.4	10
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Bromoform	0.58	U	0.58	1.0
Bromomethane	2.5	U	2.5	5.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chloromethane	1.0	U	1.0	4.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
Dibromomethane	0.41	U	0.41	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Ethylbenzene	0.44	U	0.44	1.0
Ethylene Dibromide	0.50	U	0.50	1.0
Iodomethane	2.5	U	2.5	5.0
Methylene Chloride	4.0	U	4.0	5.0
Styrene	0.98	U	0.98	2.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Method Blank - Batch: 660-90020

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-90020/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1324
Date Prepared: 01/28/2010 1324

Analysis Batch: 660-90020
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH5973
Lab File ID: 1HA2810.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	94	70 - 130
Dibromofluoromethane	96	70 - 130
Toluene-d8 (Surr)	102	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Lab Control Sample - Batch: 660-90020

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 660-90020/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1111
Date Prepared: 01/28/2010 1111

Analysis Batch: 660-90020
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH5973
Lab File ID: 1HA2804.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	20.0	22.2	111	70 - 130	
1,1,1-Trichloroethane	20.0	18.6	93	57 - 135	
1,1,2,2-Tetrachloroethane	20.0	24.4	122	67 - 130	
1,1,2-Trichloroethane	20.0	23.2	116	69 - 130	
1,1-Dichloroethane	20.0	20.0	100	60 - 132	
1,1-Dichloroethene	20.0	18.0	90	51 - 157	
1,2,3-Trichloropropane	20.0	24.0	120	62 - 130	
1,2-Dibromo-3-Chloropropane	20.0	20.0	100	52 - 130	
1,2-Dichlorobenzene	20.0	24.7	124	70 - 130	
1,2-Dichloroethane	20.0	18.8	94	70 - 130	
1,2-Dichloropropane	20.0	21.6	108	70 - 130	
1,4-Dichlorobenzene	20.0	22.9	114	70 - 130	
2-Butanone (MEK)	100	108	108	63 - 140	
2-Hexanone	100	119	119	57 - 148	
4-Methyl-2-pentanone (MIBK)	100	111	111	64 - 137	
Acetone	100	102	102	62 - 142	
Acrylonitrile	200	197	99	10 - 183	
Benzene	20.0	22.4	112	64 - 140	
Bromoform	20.0	18.8	94	65 - 130	
Bromomethane	20.0	12.8	64	14 - 184	
Carbon disulfide	10.0	9.83	98	30 - 184	
Carbon tetrachloride	20.0	19.0	95	53 - 145	
Chlorobenzene	20.0	22.6	113	70 - 130	
Chlorobromomethane	20.0	21.7	109	59 - 130	
Chlorodibromomethane	20.0	19.6	98	70 - 130	
Chloroethane	20.0	13.3	66	39 - 174	
Chloroform	20.0	20.0	100	59 - 130	
Chloromethane	20.0	18.4	92	35 - 153	
cis-1,2-Dichloroethene	20.0	22.0	110	61 - 130	
cis-1,3-Dichloropropene	20.0	20.8	104	70 - 130	
Dibromomethane	20.0	21.0	105	70 - 130	
Dichlorobromomethane	20.0	20.1	101	70 - 130	
Ethylbenzene	20.0	24.1	121	69 - 131	
Ethylene Dibromide	20.0	23.2	116	65 - 130	
Iodomethane	20.0	17.7	89	70 - 130	
Methylene Chloride	20.0	21.1	106	57 - 130	
Styrene	20.0	24.9	125	62 - 136	
Tetrachloroethene	20.0	23.0	115	47 - 143	
Toluene	20.0	22.4	112	70 - 131	
trans-1,2-Dichloroethene	20.0	20.3	101	55 - 145	
trans-1,3-Dichloropropene	20.0	23.0	115	62 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Lab Control Sample - Batch: 660-90020

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 660-90020/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1111
Date Prepared: 01/28/2010 1111

Analysis Batch: 660-90020
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH5973
Lab File ID: 1HA2804.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
trans-1,4-Dichloro-2-butene	20.0	22.4	112	70 - 130	
Trichloroethene	20.0	22.4	112	59 - 142	
Trichlorofluoromethane	20.0	20.3	102	62 - 147	
Vinyl acetate	37.1	27.3	74	10 - 166	
Vinyl chloride	20.0	19.3	96	48 - 147	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Matrix Spike - Batch: 660-90020

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33511-C-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1646
Date Prepared: 01/28/2010 1646

Analysis Batch: 660-90020
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH5973
Lab File ID: 1HA2818.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	0.63	U	20.0	20.4	102	70 - 130	
1,1,1-Trichloroethane	0.46	U	20.0	18.5	93	57 - 135	
1,1,2,2-Tetrachloroethane	0.15	U	20.0	21.3	107	67 - 130	
1,1,2-Trichloroethane	0.47	U	20.0	20.7	103	69 - 130	
1,1-Dichloroethane	0.52	U	20.0	19.9	99	60 - 132	
1,1-Dichloroethene	0.45	U	20.0	18.7	94	51 - 157	
1,2,3-Trichloropropane	0.18	U	20.0	21.2	106	62 - 130	
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	16.6	83	52 - 130	
1,2-Dichlorobenzene	0.44	U	20.0	22.3	111	70 - 130	
1,2-Dichloroethane	0.57	U	20.0	17.7	88	70 - 130	
1,2-Dichloropropane	0.52	U	20.0	20.8	104	70 - 130	
1,4-Dichlorobenzene	0.52	U	20.0	20.9	104	70 - 130	
2-Butanone (MEK)	8.4	U	100	94.9	95	63 - 140	
2-Hexanone	4.4	U	100	100	100	57 - 148	
4-Methyl-2-pentanone (MIBK)	3.8	U	100	98.5	98	64 - 137	
Acetone	9.9	U	100	92.7	93	62 - 142	
Acrylonitrile	1.2	U	200	177	89	10 - 183	
Benzene	0.50	U	20.0	22.2	111	64 - 140	
Bromoform	0.58	U	20.0	16.3	82	65 - 130	
Bromomethane	2.5	U	20.0	9.49	47	14 - 184	
Carbon disulfide	0.85	U	10.0	9.51	95	30 - 184	
Carbon tetrachloride	0.42	U	20.0	18.1	90	53 - 145	
Chlorobenzene	0.63	U	20.0	21.2	106	70 - 130	
Chlorobromomethane	0.58	U	20.0	21.3	107	59 - 130	
Chlorodibromomethane	0.34	U	20.0	17.1	86	70 - 130	
Chloroethane	2.5	U	20.0	12.4	62	39 - 174	
Chloroform	0.90	U	20.0	19.5	98	59 - 130	
Chloromethane	1.0	U	20.0	17.3	87	35 - 153	
cis-1,2-Dichloroethene	0.65	U	20.0	21.3	107	61 - 130	
cis-1,3-Dichloropropene	0.14	U	20.0	21.2	106	70 - 130	
Dibromomethane	0.41	U	20.0	20.6	103	70 - 130	
Dichlorobromomethane	0.35	U	20.0	17.3	87	70 - 130	
Ethylbenzene	0.44	U	20.0	23.1	115	69 - 131	
Ethylene Dibromide	0.50	U	20.0	20.5	103	65 - 130	
Iodomethane	2.5	U	20.0	14.9	75	70 - 130	
Methylene Chloride	4.0	U	20.0	18.7	94	57 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Matrix Spike - Batch: 660-90020

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33511-C-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1646
Date Prepared: 01/28/2010 1646

Analysis Batch: 660-90020
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH5973
Lab File ID: 1HA2818.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Styrene	0.98	U	20.0	23.5	117	62 - 136	
Tetrachloroethene	0.50	U	20.0	21.8	109	47 - 143	
Toluene	0.51	U	20.0	21.2	106	70 - 131	
trans-1,2-Dichloroethene	0.44	U	20.0	20.4	102	55 - 145	
trans-1,3-Dichloropropene	0.14	U	20.0	19.9	99	62 - 130	
trans-1,4-Dichloro-2-butene	2.5	U	20.0	18.2	91	70 - 130	
Trichloroethene	0.50	U	20.0	21.1	106	59 - 142	
Trichlorofluoromethane	2.5	U	20.0	20.6	103	62 - 147	
Vinyl acetate	1.5	U	37.1	24.7	67	10 - 166	
Vinyl chloride	0.50	U	20.0	18.9	94	48 - 147	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Duplicate - Batch: 660-90020

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33504-A-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1433
Date Prepared: 01/28/2010 1433

Analysis Batch: 660-90020
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH5973
Lab File ID: 1HA2812.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
1,1,1,2-Tetrachloroethane	0.63	U	0.63	NC	30	U
1,1,1-Trichloroethane	0.46	U	0.46	NC	30	U
1,1,2,2-Tetrachloroethane	0.15	U	0.15	NC	30	U
1,1,2-Trichloroethane	0.47	U	0.47	NC	30	U
1,1-Dichloroethane	0.52	U	0.52	NC	30	U
1,1-Dichloroethene	0.45	U	0.45	NC	30	U
1,2,3-Trichloropropane	0.18	U	0.18	NC	30	U
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	NC	30	U
1,2-Dichlorobenzene	0.44	U	0.44	NC	30	U
1,2-Dichloroethane	0.57	U	0.57	NC	30	U
1,2-Dichloropropane	0.52	U	0.52	NC	30	U
1,4-Dichlorobenzene	0.52	U	0.52	NC	30	U
2-Butanone (MEK)	8.4	U	8.4	NC	30	U
2-Hexanone	4.4	U	4.4	NC	30	U
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	NC	30	U
Acetone	9.9	U	9.9	NC	30	U
Acrylonitrile	1.2	U	1.2	NC	30	U
Benzene	0.50	U	0.50	NC	30	U
Bromoform	0.58	U	0.58	NC	30	U
Bromomethane	2.5	U	2.5	NC	30	U
Carbon disulfide	0.85	U	0.85	NC	30	U
Carbon tetrachloride	0.42	U	0.42	NC	30	U
Chlorobenzene	0.63	U	0.63	NC	30	U
Chlorobromomethane	0.58	U	0.58	NC	30	U
Chlorodibromomethane	0.34	U	0.34	NC	30	U
Chloroethane	2.5	U	2.5	NC	30	U
Chloroform	0.90	U	0.90	NC	30	U
Chloromethane	1.0	U	1.0	NC	30	U
cis-1,2-Dichloroethene	0.65	U	0.65	NC	30	U
cis-1,3-Dichloropropene	0.14	U	0.14	NC	30	U
Dibromomethane	0.41	U	0.41	NC	30	U
Dichlorobromomethane	0.35	U	0.35	NC	30	U
Ethylbenzene	0.44	U	0.44	NC	30	U
Ethylene Dibromide	0.50	U	0.50	NC	30	U
Iodomethane	2.5	U	2.5	NC	30	U
Methylene Chloride	4.0	U	4.0	NC	30	U
Styrene	0.98	U	0.98	NC	30	U
Tetrachloroethene	0.50	U	0.50	NC	30	U
Toluene	0.51	U	0.51	NC	30	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Duplicate - Batch: 660-90020

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33504-A-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1433
Date Prepared: 01/28/2010 1433

Analysis Batch: 660-90020
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH5973
Lab File ID: 1HA2812.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
trans-1,2-Dichloroethene	0.44	U	0.44	NC	30	U
trans-1,3-Dichloropropene	0.14	U	0.14	NC	30	U
trans-1,4-Dichloro-2-butene	2.5	U	2.5	NC	30	U
Trichloroethene	0.50	U	0.50	NC	30	U
Trichlorofluoromethane	2.5	U	2.5	NC	30	U
Vinyl acetate	1.5	U	1.5	NC	30	U
Vinyl chloride	0.50	U	0.50	NC	30	U
Xylenes, Total	0.50	U	0.50	NC	30	U

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	93	70 - 130
Dibromofluoromethane	94	70 - 130
Toluene-d8 (Surr)	93	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Method Blank - Batch: 660-90069

Method: 8011
Preparation: 8011

Lab Sample ID: MB 660-90069/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1741
Date Prepared: 01/28/2010 1430

Analysis Batch: 660-90072
Prep Batch: 660-90069
Units: ug/L

Instrument ID: BSGU
Lab File ID: 1A28U013.D
Initial Weight/Volume: 34.7964 g
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.020
Ethylene Dibromide	0.010	U	0.010	0.020

Surrogate	% Rec	Acceptance Limits
1,1,1,2-Tetrachloroethane	86	60 - 140

Lab Control Sample - Batch: 660-90069

Method: 8011
Preparation: 8011

Lab Sample ID: LCS 660-90069/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1801
Date Prepared: 01/28/2010 1430

Analysis Batch: 660-90072
Prep Batch: 660-90069
Units: ug/L

Instrument ID: BSGU
Lab File ID: 1A28U014.D
Initial Weight/Volume: 34.7006 g
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2-Dibromo-3-Chloropropane	0.252	0.216	86	60 - 140	
Ethylene Dibromide	0.252	0.224	89	60 - 140	

Matrix Spike - Batch: 660-90069

Method: 8011
Preparation: 8011

Lab Sample ID: 660-33498-4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1842
Date Prepared: 01/28/2010 1430

Analysis Batch: 660-90072
Prep Batch: 660-90069
Units: ug/L

Instrument ID: BSGU
Lab File ID: 1A28U016.D
Initial Weight/Volume: 36.1711 g
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
1,2-Dibromo-3-Chloropropane	0.010	U	0.242	0.192	79	60 - 140	
Ethylene Dibromide	0.010	U	0.242	0.202	83	60 - 140	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Duplicate - Batch: 660-90069

Method: 8011
Preparation: 8011

Lab Sample ID: 660-33498-5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1923
Date Prepared: 01/28/2010 1430

Analysis Batch: 660-90072
Prep Batch: 660-90069
Units: ug/L

Instrument ID: BSGU
Lab File ID: 1A28U018.D
Initial Weight/Volume: 34.4981 g
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
1,2-Dibromo-3-Chloropropane	0.0098	U	0.010	NC	40	U
Ethylene Dibromide	0.0098	U	0.010	NC	40	U

Surrogate	% Rec	Acceptance Limits
1,1,1,2-Tetrachloroethane	108	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Method Blank - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 680-159398/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1630
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398
Units: mg/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Sodium	0.25	U	0.25	0.50

Method Blank - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 680-159398/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1630
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398
Units: ug/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	1.3	U	1.3	2.5
Barium	1.3	U	1.3	5.0
Beryllium	0.25	U	0.25	0.50
Cadmium	0.095	U	0.095	0.50
Chromium	2.5	U	2.5	5.0
Lead	0.20	U	0.20	1.5
Nickel	2.0	U	2.0	5.0
Selenium	1.0	U	1.0	2.5
Cobalt	0.15	U	0.15	0.50
Silver	0.25	U	0.25	1.0
Copper	1.1	U	1.1	5.0
Vanadium	3.8	U	3.8	10
Zinc	8.3	U	8.3	20
Thallium	0.50	U	0.50	1.0
Iron	33	U	33	100

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Lab Control Sample - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 680-159398/17-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1636
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398
Units: mg/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	5.00	5.47	109	75 - 125	

Lab Control Sample - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 680-159398/17-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1636
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398
Units: ug/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	50.0	51.2	102	75 - 125	
Arsenic	100	111	111	75 - 125	
Barium	100	102	102	75 - 125	
Beryllium	50.0	50.2	100	75 - 125	
Cadmium	50.0	52.3	105	75 - 125	
Chromium	100	103	103	75 - 125	
Lead	50.0	49.7	99	75 - 125	
Nickel	100	106	106	75 - 125	
Selenium	100	109	109	75 - 125	
Cobalt	50.0	48.4	97	75 - 125	
Silver	50.0	49.1	98	75 - 125	
Copper	100	105	105	75 - 125	
Vanadium	100	102	102	75 - 125	
Zinc	100	112	112	75 - 125	
Thallium	40.0	41.5	104	75 - 125	
Iron	5000	5440	109	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	660-33512-B-1-B MS	Analysis Batch: 680-159526	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159398	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/28/2010 1845		Final Weight/Volume: 250 mL
Date Prepared:	01/28/2010 1115		

MSD Lab Sample ID:	660-33512-B-1-C MSD	Analysis Batch: 680-159526	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159398	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/28/2010 1852		Final Weight/Volume: 250 mL
Date Prepared:	01/28/2010 1115		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sodium	111	130	75 - 125	4	20		J3

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	660-33512-B-1-B MS	Analysis Batch: 680-159526	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159398	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/28/2010 1845		Final Weight/Volume: 250 mL
Date Prepared:	01/28/2010 1115		

MSD Lab Sample ID:	660-33512-B-1-C MSD	Analysis Batch: 680-159526	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159398	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/28/2010 1852		Final Weight/Volume: 250 mL
Date Prepared:	01/28/2010 1115		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	107	109	75 - 125	2	20		
Arsenic	114	116	75 - 125	2	20		
Barium	107	110	75 - 125	2	20		
Beryllium	108	108	75 - 125	0	20		
Cadmium	110	110	75 - 125	0	20		
Chromium	107	111	75 - 125	4	20		
Lead	102	104	75 - 125	2	20		
Nickel	109	112	75 - 125	3	20		
Selenium	111	115	75 - 125	3	20		
Cobalt	100	102	75 - 125	1	20		
Silver	102	104	75 - 125	2	20		
Copper	110	113	75 - 125	3	20		
Vanadium	106	110	75 - 125	3	20		
Zinc	114	113	75 - 125	1	20		
Thallium	108	110	75 - 125	2	20		
Iron	112	115	75 - 125	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Method Blank - Batch: 680-159629

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 680-159629/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/03/2010 2043
Date Prepared: 02/01/2010 1121

Analysis Batch: 680-159933
Prep Batch: 680-159629
Units: mg/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Sodium	0.25	U	0.25	0.50

Method Blank - Batch: 680-159629

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 680-159629/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/03/2010 2043
Date Prepared: 02/01/2010 1121

Analysis Batch: 680-159933
Prep Batch: 680-159629
Units: ug/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	1.3	U	1.3	2.5
Barium	1.3	U	1.3	5.0
Beryllium	0.25	U	0.25	0.50
Cadmium	0.095	U	0.095	0.50
Chromium	2.5	U	2.5	5.0
Lead	0.20	U	0.20	1.5
Nickel	2.0	U	2.0	5.0
Selenium	1.0	U	1.0	2.5
Cobalt	0.15	U	0.15	0.50
Silver	0.25	U	0.25	1.0
Copper	1.1	U	1.1	5.0
Vanadium	3.8	U	3.8	10
Zinc	8.3	U	8.3	20
Thallium	0.50	U	0.50	1.0
Iron	33	U	33	100

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Lab Control Sample - Batch: 680-159629

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 680-159629/22-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/03/2010 2049
Date Prepared: 02/01/2010 1121

Analysis Batch: 680-159933
Prep Batch: 680-159629
Units: mg/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	5.00	4.86	97	75 - 125	

Lab Control Sample - Batch: 680-159629

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 680-159629/22-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/03/2010 2049
Date Prepared: 02/01/2010 1121

Analysis Batch: 680-159933
Prep Batch: 680-159629
Units: ug/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	50.0	50.0	100	75 - 125	
Arsenic	100	103	103	75 - 125	
Barium	100	97.2	97	75 - 125	
Beryllium	50.0	49.8	100	75 - 125	
Cadmium	50.0	50.2	100	75 - 125	
Chromium	100	97.4	97	75 - 125	
Lead	50.0	47.3	95	75 - 125	
Nickel	100	99.3	99	75 - 125	
Selenium	100	99.0	99	75 - 125	
Cobalt	50.0	46.9	94	75 - 125	
Silver	50.0	47.1	94	75 - 125	
Copper	100	99.2	99	75 - 125	
Vanadium	100	96.5	96	75 - 125	
Zinc	100	104	104	75 - 125	
Thallium	40.0	37.4	94	75 - 125	
Iron	5000	4800	96	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-159629

Method: 6020
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	680-54659-B-2-B MS	Analysis Batch: 680-159933	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159629	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	02/03/2010 2326		Final Weight/Volume: 250 mL
Date Prepared:	02/01/2010 1121		

MSD Lab Sample ID:	680-54659-B-2-C MSD	Analysis Batch: 680-159933	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159629	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	02/03/2010 2333		Final Weight/Volume: 250 mL
Date Prepared:	02/01/2010 1121		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sodium	99	87	75 - 125	7	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-159629

Method: 6020
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	680-54659-B-2-B MS	Analysis Batch: 680-159933	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159629	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	02/03/2010 2326		Final Weight/Volume: 250 mL
Date Prepared:	02/01/2010 1121		

MSD Lab Sample ID:	680-54659-B-2-C MSD	Analysis Batch: 680-159933	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159629	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	02/03/2010 2333		Final Weight/Volume: 250 mL
Date Prepared:	02/01/2010 1121		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	104	97	75 - 125	8	20		
Arsenic	103	97	75 - 125	5	20		
Barium	102	91	75 - 125	7	20		
Beryllium	101	94	75 - 125	7	20		
Cadmium	102	97	75 - 125	5	20		
Chromium	97	91	75 - 125	5	20		
Lead	96	91	75 - 125	5	20		
Nickel	101	96	75 - 125	5	20		
Selenium	99	94	75 - 125	5	20		
Cobalt	95	89	75 - 125	6	20		
Silver	97	91	75 - 125	6	20		
Copper	99	95	75 - 125	5	20		
Vanadium	99	95	75 - 125	5	20		
Zinc	107	102	75 - 125	5	20		
Thallium	94	90	75 - 125	5	20		
Iron	97	92	75 - 125	5	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Method Blank - Batch: 680-160432

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 680-160432/17-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1650
Date Prepared: 02/12/2010 1414

Analysis Batch: 680-160942
Prep Batch: 680-160432
Units: ug/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.091	U	0.091	0.20

Lab Control Sample - Batch: 680-160432

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 680-160432/18-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1653
Date Prepared: 02/12/2010 1414

Analysis Batch: 680-160942
Prep Batch: 680-160432
Units: ug/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	2.50	2.75	110	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Method Blank - Batch: 680-160674

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 680-160674/20-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1752
Date Prepared: 02/12/2010 1308

Analysis Batch: 680-160942
Prep Batch: 680-160674
Units: ug/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.091	U	0.091	0.20

Lab Control Sample - Batch: 680-160674

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 680-160674/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1755
Date Prepared: 02/12/2010 1308

Analysis Batch: 680-160942
Prep Batch: 680-160674
Units: ug/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	2.50	2.58	103	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-160674

Method: 7470A
Preparation: 7470A

MS Lab Sample ID: 660-33498-6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1844
Date Prepared: 02/12/2010 1308

Analysis Batch: 680-160942
Prep Batch: 680-160674

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-33498-6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1848
Date Prepared: 02/12/2010 1308

Analysis Batch: 680-160942
Prep Batch: 680-160674

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	101	98	80 - 120	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Method Blank - Batch: 660-89948

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-89948/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/26/2010 1018
Date Prepared: N/A

Analysis Batch: 660-89948
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-89948

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-89948/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/26/2010 1035
Date Prepared: N/A

Analysis Batch: 660-89948
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	10.0	10.1	101	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-89948

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-33498-4
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 01/26/2010 1652
Date Prepared: N/A

Analysis Batch: 660-89948
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 660-33498-4
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 01/26/2010 1710
Date Prepared: N/A

Analysis Batch: 660-89948
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	102	102	90 - 110	0	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Method Blank - Batch: 660-90114

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 660-90114/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1206
Date Prepared: N/A

Analysis Batch: 660-90114
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	PQL
Ammonia (as N)	0.010	U	0.010	0.020

Lab Control Sample - Batch: 660-90114

Method: 350.1
Preparation: N/A

Lab Sample ID: LCS 660-90114/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1207
Date Prepared: N/A

Analysis Batch: 660-90114
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia (as N)	0.500	0.526	105	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-90114

Method: 350.1
Preparation: N/A

MS Lab Sample ID: 660-33526-A-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1226
Date Prepared: N/A

Analysis Batch: 660-90114
Prep Batch: N/A

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 660-33526-A-1 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1227
Date Prepared: N/A

Analysis Batch: 660-90114
Prep Batch: N/A

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia (as N)	81	82	90 - 110	1	30	J3	J3

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Method Blank - Batch: 660-89964

Method: 353.2
Preparation: N/A

Lab Sample ID: MB 660-89964/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2010 0846
Date Prepared: N/A

Analysis Batch: 660-89964
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	PQL
Nitrate Nitrite as N	0.10	U	0.10	0.50
Nitrite as N	0.10	U	0.10	0.50
Nitrate as N	0.10	U	0.10	0.50

Lab Control Sample - Batch: 660-89964

Method: 353.2
Preparation: N/A

Lab Sample ID: LCS 660-89964/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2010 0846
Date Prepared: N/A

Analysis Batch: 660-89964
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate Nitrite as N	1.00	0.964	96	90 - 110	
Nitrite as N	1.00	0.978	98	90 - 110	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-89964

Method: 353.2
Preparation: N/A

MS Lab Sample ID:	660-33498-4	Analysis Batch:	660-89964	Instrument ID:	LACHAT
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	01/27/2010 0846			Final Weight/Volume:	50 mL
Date Prepared:	N/A				

MSD Lab Sample ID:	660-33498-4	Analysis Batch:	660-89964	Instrument ID:	LACHAT
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	01/27/2010 0846			Final Weight/Volume:	50 mL
Date Prepared:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate Nitrite as N	96	90	90 - 110	5	30		
Nitrite as N	98	100	90 - 110	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Method Blank - Batch: 660-89962

Method: SM 2540C
Preparation: N/A

Lab Sample ID: MB 660-89962/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2010 1320
Date Prepared: N/A

Analysis Batch: 660-89962
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	PQL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Lab Control Sample - Batch: 660-89962

Method: SM 2540C
Preparation: N/A

Lab Sample ID: LCS 660-89962/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2010 1321
Date Prepared: N/A

Analysis Batch: 660-89962
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	10000	9860	99	80 - 120	

Duplicate - Batch: 660-89962

Method: SM 2540C
Preparation: N/A

Lab Sample ID: 660-33498-7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2010 1327
Date Prepared: N/A

Analysis Batch: 660-89962
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	330	332	2	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

DEP-SOP-001/01

TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: Cyclone

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FS 2200 Groundwater Sampling

SITE NAME: Citrus County LandFill	SITE LOCATION: Lecanto, FL
WELL NO: MW-18	SAMPLE ID:
DATE: 1-25-10	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 100 feet to 120 feet	STATIC DEPTH TO WATER (feet): 110.27	PURGE PUMP TYPE OR BAILER: ESP

Measuring Point Elevation (ft/msl) - Water Level = Water Level Elevation

MP Elevation =

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) 9.43 = (119.70 feet – 110.27 feet) X .16 gallons/foot = 1.50 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
115	115	1110	1155	2.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
1137	1.50	1.50	.05	117.5	5.32	22.8	77	1.55	12.8	Clear	No	
1148	.37	1.87	.05	117.5	5.29	22.0	73	1.28	20.5	cloudy		
1155	.37	2.24	.05	117.5	5.29	21.5	73	1.25	31.0	cloudy		

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shawn Victory	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1156	SAMPLING ENDED AT: 1200
PUMP OR TUBING DEPTH IN WELL (feet): 115.00	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-18	3	CG	40	UNP	0	NA	8260	ESP

REMARKS: well water level dropped below top of pump. turbidity would not stabilize, sampled well after 3 reads

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature**: ± 0.2 °C **Specific Conductance**: ± 5% **Dissolved Oxygen**: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity**: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01

TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: Cyclone

PAGE: ____ of ____

FS 2200 Groundwater Sampling

SITE NAME: Citrus County Landfill	SITE LOCATION: Lecanto, FL
WELL NO: MW-19	SAMPLE ID:
	DATE: 1-25-10

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 130 feet to 140 feet	STATIC DEPTH TO WATER (feet): 107.94	PURGE PUMP TYPE OR BAILER: ESP

Measuring Point Elevation (ft/msl) - Water Level = Water Level Elevation

MP Elevation =

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) 32.06 = (140.0 feet – 107.94 feet) X .16 gallons/foot = 5.12 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 117	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 117	PURGING INITIATED AT: 1236	PURGING ENDED AT: 1319	TOTAL VOLUME PURGED (gallons): 8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
1304	5.12	5.12	.18	109.55	6.18	22.8	60	4.06	8.99	clear	NO	
1312	1.28	6.30	.18	109.65	6.23	22.8	60	4.10	8.04			
1319	1.28	7.58	.18	109.80	6.23	22.8	59	4.15	5.63	↓	↓	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shawn Victory	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1320	SAMPLING ENDED AT: 1324
PUMP OR TUBING DEPTH IN WELL (feet): 117	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type: ____ FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-19	3	CG	40	UNP	40	NA	8260	ESP

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: Cyclone

PAGE: 1 of 1

FS 2200 Groundwater Sampling

SITE NAME: Citrus County Landfill		SITE LOCATION: Lecanto, FL	
WELL NO: Equipment Blank	SAMPLE ID:		DATE: 1-25-10

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:

Measuring Point Elevation (ft/msl) - **Water Level** = **Water Level Elevation**
MP Elevation =

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shawn Victory	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1410	SAMPLING ENDED AT: 1415
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
Equipment Blank								
			SEE COC					

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature**: ± 0.2 °C **Specific Conductance**: ± 5% **Dissolved Oxygen**: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity**: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01

TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: Cyclone

PAGE: 1 of 1

FS 2200 Groundwater Sampling

SITE NAME: Citrus County Landfill	SITE LOCATION: Lecanto, FL	
WELL NO: MW-11	SAMPLE ID:	DATE: 1-25-10

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 92 feet to 112 feet	STATIC DEPTH TO WATER (feet): 100.05	PURGE PUMP TYPE OR BAILER: ESP

Measuring Point Elevation (ft/msl) - Water Level = Water Level Elevation
MP Elevation =

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) 17.65 = (111.70 feet – 100.05 feet) X .16 gallons/foot = 2.82 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 109	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 109	PURGING INITIATED AT: 1428	PURGING ENDED AT: 1450	TOTAL VOLUME PURGED (gallons): 4.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
1442	2.82	2.82	.20	100.05	7.16	23.2	333	.71	8.75	clear	NO	
1446	.70	3.52	.20	100.05	7.17	23.1	343	.67	2.97	↓	↓	
1450	.70	4.22	.20	100.05	7.17	23.2	331	.67	3.93	↓	↓	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shaun Victor	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1450	SAMPLING ENDED AT: 1455
PUMP OR TUBING DEPTH IN WELL (feet): 109	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-11								
			SEE COC					

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01

TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: M-1

PAGE: 1 of 1

FS 2200 Groundwater Sampling

SITE NAME: CDM	SITE LOCATION: Lecanto
WELL NO: MW-10	SAMPLE ID:
	DATE: 1-25-10

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 100 feet to 120 feet	STATIC DEPTH TO WATER (feet): 107.78	PURGE PUMP TYPE OR BAILER: DBP

Measuring Point Elevation (ft/msl) - Water Level = Water Level Elevation
MP Elevation =

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
12.22 = (120.0 feet – 107.78 feet) X .16 gallons/foot = 1.95 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 118	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 118	PURGING INITIATED AT: 1018	PURGING ENDED AT: 1150	TOTAL VOLUME PURGED (gallons): 6.36

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
1047	1.95	1.95	.07	108.69	4.41	22.4	52	.94	187	Cloudy	Yes	
1054	.49	2.44	.07	108.69	4.44	22.3	52	1.02	225			
1101	.49	2.93	.07	108.69	4.48	22.4	52	1.14	222			
1108	.49	3.42	.07	108.69	4.47	22.1	53	1.26	145			
1115	.49	3.91	.07	108.69	4.49	21.9	53	1.27	92.2			
1122	.49	4.40	.07	108.69	4.51	21.7	51	1.28	85.0			
1129	.49	4.89	.07	108.69	4.53	21.8	51	1.26	81.9			
1136	.49	5.38	.07	108.69	4.51	21.4	51	1.29	90.4			
1143	.49	5.87	.07	108.69	4.57	21.5	50	1.22	85.7			
1150	.49	6.36	.07	108.69	4.53	21.5	53	1.16	83.0			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan Reich	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1150	SAMPLING ENDED AT: 1214
PUMP OR TUBING DEPTH IN WELL (feet): 118	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: T	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 1 µm	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
			See COC					

REMARKS:
Filtered Turbidity 4.73

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01

TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: M-1 PAGE: 1 of 1

FS 2200 Groundwater Sampling

SITE NAME: CDM	SITE LOCATION: Lecanto
WELL NO: MW-13	SAMPLE ID:
DATE: 1-25-10	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 100 feet to 120 feet	STATIC DEPTH TO WATER (feet): 107.03	PURGE PUMP TYPE OR BAILER: DBP

Measuring Point Elevation (ft/msl) - **Water Level** = **Water Level Elevation**

MP Elevation =

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)

12.47 = (119.5 feet – 107.03 feet) X .16 gallons/foot = 1.99 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 117	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 117	PURGING INITIATED AT: 1300	PURGING ENDED AT: 1342	TOTAL VOLUME PURGED (gallons): 2.99

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
1328	1.99	1.99	.07	107.53	5.32	22.6	87	2.85	8.89	clear	yes	
1335	.50	2.49	.07	107.53	5.31	22.6	87	2.98	6.83			
1342	.50	2.99	.07	107.53	5.31	22.6	86	2.78	4.90			

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan Reich	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1342	SAMPLING ENDED AT: 1356
PUMP OR TUBING DEPTH IN WELL (feet): 117	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: T	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
	See COC							

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE **FS 2212, SECTION 3**)

pH: ± 0.2 units **Temperature**: ± 0.2 °C **Specific Conductance**: ± 5% **Dissolved Oxygen**: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity**: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01

TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: M-1

PAGE: 1 of 1

FS 2200 Groundwater Sampling

SITE NAME: CDM	SITE LOCATION: Lecanto
WELL NO: MW-12	SAMPLE ID:
	DATE: 1-25-10

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 90 feet to 110 feet	STATIC DEPTH TO WATER (feet): 98.51	PURGE PUMP TYPE OR BAILER: DBP

Measuring Point Elevation (ft/msl) - **Water Level** = **Water Level Elevation**

MP Elevation =

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)

11.49 = (110.0 feet – 98.51 feet) X .16 gallons/foot = 1.84 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 107	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 107	PURGING INITIATED AT: 1434	PURGING ENDED AT: 1518	TOTAL VOLUME PURGED (gallons): 5.06

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
1450	1.84	1.84	.11	98.65	6.58	23.1	622	3.28	24.2	clear	NO	
1454	.46	2.30	.11	98.65	6.60	23.2	621	3.38	16.5			
1458	.46	2.76	.11	98.65	6.61	23.1	619	2.77	18.5			
1502	.46	3.22	.11	98.65	6.63	23.2	618	3.04	13.3			
1506	.46	3.68	.11	98.65	6.64	23.1	616	3.12	11.8			
1510	.46	4.14	.11	98.65	6.65	23.1	615	3.09	9.67			
1514	.46	4.60	.11	98.65	6.66	23.1	612	3.09	7.31			
1518	.46	5.06	.11	98.65	6.67	23.2	611	3.12	4.82			

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan Reich	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1518	SAMPLING ENDED AT: 1530
PUMP OR TUBING DEPTH IN WELL (feet): 107	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: T	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: (Y) (N) RR 1-25-10	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		

See COC

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Orlando Service Center
8010 Sunport Drive Suite 116
Orlando, FL 32809
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

660-33498

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Ryan Reich	Lab PM: Beato, Judith	Carrier Tracking No(s):	COC No: 660-27103.1
Client Contact: Mr. David Rojas	Phone: 407-453-3076	E-Mail: judith.beato@testamericainc.com		Page: Page 1 of 2
Company: Camp Dresser & McKee Inc				Job #:
Address: 1715 North Westshore Blvd. Suite 875	Due Date Requested:			
City: Tampa	TAT Requested (days):			
State, Zip: FL, 33607				
Phone:	PO #: Purchase Order Requested			
Email: rojasdr@cdm.com	WO #:			
Project Name: Background & compliance wells	Project #: 66002518			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 - Ammonia (as N)	6020 - Appendix 1 Metals + Iron, Mercury and So	8260B - 8260 Appendix I Compounds	300.0_28D, 353.2	2540C - Total Dissolved Solids	8011 - EDB, DBCP, and 123TCP	6020 - Dissolved Appendix 1 Metals + Iron, Merc	Total Number of containers	Special Instructions/Note:
				Preservation Code			S	D	N	N	N	N	D		
MW-18	1-25-10	1200	G	Water					3						
MW-19	↓	1324	↓	Water					3						
Equipment Blank	↓	1415	↓	Water			1	1	3	1	1	3	1		
MW-11	↓	1455	↓	Water			1	1	3	1	1	3			
MW-10	↓	1214	↓	Water			1	1	3	1	1	3	1		
MW-13	↓	1356	↓	Water			1	1	3	1	1	3			
MW-12	↓	1530	↓	Water			1	1	3	1	1	3			
~~Dup 01~~	↓	~~1530~~	↓	~~Water~~			~~1~~	~~1~~	~~3~~	~~1~~	~~1~~	~~3~~			per client do not run.
				Water											
				Water											
				Water											

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	1-25-10 / 1553				
[signature]	1/25/10 1740	TA Tampa	[signature]	1/26/10 0846	TA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.7°C, 1.9°C cw-07

02/19/2010

Login Sample Receipt Check List

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Login Number: 33498
Creator: Volz, Charles
List Number: 1

List Source: TestAmerica Tampa

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7,1.9 Degrees C. CU-07
COC is present.	True	
COC is filled out in ink and legible.	True	Per PM-do not run Duplicate
COC is filled out with all pertinent information.	False	MW-11, Received Diss. App.1 Metals, Not On COC.
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: Camp Dresser & McKee Inc

Job Number: 660-33498-1

Login Number: 33498
Creator: Lanier, Herbert D
List Number: 1

List Source: TestAmerica Savannah
List Creation: 01/28/10 10:44 AM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	False	
Sample Preservation Verified	True	

ANALYTICAL REPORT

Job Number: 660-33509-1

Job Description: Citrus County Landfill - 2010

For:
Camp Dresser & McKee Inc
1715 North Westshore Blvd.
Suite 875
Tampa, FL 33607

Attention: Mr. David Rojas

Approved for release.
Judith Beato
Project Manager I
2/19/2010 12:15 PM

Judith Beato
Project Manager I
judith.beato@testamericainc.com
02/19/2010

Methods: FDEP, DOH Certification #: E84282, E81005 These test results meet all the requirements of NELAC unless specified in the case narrative. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request. The results contained in this test report relate only to these samples included herein.

Job Narrative
660-33509-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 90011 had 1 analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified; was out was out Low for Iodomethane

Method(s) 8260B: The matrix duplicate %RPD for 90204 was outside the control limits for Methylene Chloride (8260).

No other analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
Method(s) 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Subcontract non-Sister
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-33509-1	**MW-6 DUP**					
Chlorodibromomethane		1.1		0.50	ug/L	524.2
Chloroform		1.9		0.50	ug/L	524.2
Dichlorobromomethane		1.3		1.0	ug/L	524.2
Trihalomethanes, Total		4.3		0.50	ug/L	524.2
Benzene		0.63	I	1.0	ug/L	8260B
Dichlorobromomethane		1.0		1.0	ug/L	8260B
Chloroform		1.9		1.0	ug/L	8260B
Chlorodibromomethane		3.8		1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.80	I	1.0	ug/L	8260B
Methylene Chloride		4.7	I J3	5.0	ug/L	8260B
Vinyl chloride		1.9		1.0	ug/L	8260B
Color		Clear			Color Units	Field Sampling
Field pH		4.04			SU	Field Sampling
Field Temperature		23.0			Degrees C	Field Sampling
Oxygen, Dissolved		0.56			mg/L	Field Sampling
Specific Conductance		819			umhos/cm	Field Sampling
Turbidity		0.87			NTU	Field Sampling
Water Level		112.28			ft	Field Sampling
Chloride		220		2.5	mg/L	300.0
Ammonia (as N)		1.2	J3	0.020	mg/L	350.1
Nitrate as N		4.9		0.50	mg/L	353.2
Total Dissolved Solids		400		5.0	mg/L	SM 2540C
Total Recoverable						
Barium		87		5.0	ug/L	6020
Beryllium		0.49	I	0.50	ug/L	6020
Lead		1.4	I	1.5	ug/L	6020
Cadmium		0.35	I	0.50	ug/L	6020
Silver		0.28	I	1.0	ug/L	6020
Nickel		32		5.0	ug/L	6020
Cobalt		2.3		0.50	ug/L	6020
Copper		11		5.0	ug/L	6020
Iron		210		100	ug/L	6020
Zinc		17	I	20	ug/L	6020
Sodium		130		0.50	mg/L	6020

EXECUTIVE SUMMARY - Detections

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-33509-2	**MW-6**					
Chlorodibromomethane		1.2		0.50	ug/L	524.2
Chloroform		1.9		0.50	ug/L	524.2
Dichlorobromomethane		1.3		1.0	ug/L	524.2
Trihalomethanes, Total		4.4		0.50	ug/L	524.2
Benzene		0.63	I	1.0	ug/L	8260B
Dichlorobromomethane		1.1		1.0	ug/L	8260B
Chloroform		1.9		1.0	ug/L	8260B
Chlorodibromomethane		3.9		1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.82	I	1.0	ug/L	8260B
Vinyl chloride		1.9		1.0	ug/L	8260B
Color		Clear			Color Units	Field Sampling
Field pH		4.04			SU	Field Sampling
Field Temperature		23.0			Degrees C	Field Sampling
Oxygen, Dissolved		0.56			mg/L	Field Sampling
Specific Conductance		819			umhos/cm	Field Sampling
Turbidity		0.87			NTU	Field Sampling
Water Level		112.28			ft	Field Sampling
Chloride		220		2.5	mg/L	300.0
Ammonia (as N)		1.2		0.020	mg/L	350.1
Nitrate as N		4.8		0.50	mg/L	353.2
Total Dissolved Solids		400		5.0	mg/L	SM 2540C
Total Recoverable						
Barium		86		5.0	ug/L	6020
Beryllium		0.58		0.50	ug/L	6020
Lead		1.4	I	1.5	ug/L	6020
Cadmium		0.27	I	0.50	ug/L	6020
Silver		0.28	I	1.0	ug/L	6020
Nickel		31		5.0	ug/L	6020
Cobalt		2.4		0.50	ug/L	6020
Copper		10		5.0	ug/L	6020
Iron		220		100	ug/L	6020
Zinc		17	I	20	ug/L	6020
Sodium		120		0.50	mg/L	6020

METHOD SUMMARY

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Total Trihalomethane Calculation	TAL SAV	EPA-DW 524.2	
Volatile Organic Compounds (GC/MS)	TAL TAM	SW846 8260B	
Purge and Trap	TAL TAM		SW846 5030B
EDB, DBCP, and 1,2,3-TCP (GC)	TAL TAM	SW846 8011	
Microextraction	TAL TAM		SW846 8011
Metals (ICP/MS)	TAL SAV	SW846 6020	
Preparation, Total Recoverable or Dissolved Metals	TAL SAV		SW846 3005A
Mercury (CVAA)	TAL SAV	SW846 7470A	
Preparation, Mercury	TAL SAV		SW846 7470A
Anions, Ion Chromatography	TAL TAM	MCAWW 300.0	
Nitrogen, Ammonia	TAL TAM	MCAWW 350.1	
Nitrogen, Nitrate-Nitrite	TAL TAM	MCAWW 353.2	
Solids, Total Dissolved (TDS)	TAL TAM	SM SM 2540C	
Field Sampling	TAL TAM	EPA Field Sampling	
Membrane Filter Technique - Fecal Coliform Procedure	TAL ORL	SM 9222D	

Lab References:

TAL ORL = TestAmerica Orlando

TAL SAV = TestAmerica Savannah

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Method	Analyst	Analyst ID
EPA-DW 524.2	Moncrief, Amy	AEM
SW846 8260B	Harris, Chris	CH
SW846 8011	Ballard, James	JB
SW846 6020	Robertson, Bryn	BR
SW846 7470A	Eaton, Cliff	CE
EPA Field Sampling	Hornsby, Terry	TFH
MCAWW 300.0	Cerome, Saurel	SC
MCAWW 350.1	Steward, Tiffany	TS
MCAWW 353.2	Steward, Tiffany	TS
SM SM 2540C	Oonnoonny, Thomas	TO

SAMPLE SUMMARY

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-33509-1	MW-6 DUP	Water	01/26/2010 1050	01/26/2010 1725
660-33509-2	MW-6	Water	01/26/2010 1050	01/26/2010 1725
660-33509-3	Trip Blank 33509	Water	01/26/2010 0000	01/26/2010 1725

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Client Sample ID: **MW-6 DUP**

Lab Sample ID: 660-33509-1
Client Matrix: Water

Date Sampled: 01/26/2010 1050
Date Received: 01/26/2010 1725

524.2 Total Trihalomethane Calculation

Method: 524.2
Preparation: N/A
Dilution: 1.0
Date Analyzed: 02/01/2010 1429
Date Prepared:

Analysis Batch: 680-159687

Instrument ID: MSS
Lab File ID: s0052.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Bromoform	0.39	U	0.39	0.50
Chlorodibromomethane	1.1		0.43	0.50
Chloroform	1.9		0.29	0.50
Dichlorobromomethane	1.3		0.54	1.0
Trihalomethanes, Total	4.3		0.29	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichlorobenzene-d4	92		70 - 130
4-Bromofluorobenzene	97		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Client Sample ID: **MW-6**

Lab Sample ID: 660-33509-2
Client Matrix: Water

Date Sampled: 01/26/2010 1050
Date Received: 01/26/2010 1725

524.2 Total Trihalomethane Calculation

Method:	524.2	Analysis Batch: 680-159687	Instrument ID:	MSS
Preparation:	N/A		Lab File ID:	s0053.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	02/01/2010 1452		Final Weight/Volume:	5 mL
Date Prepared:				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Bromoform	0.39	U	0.39	0.50
Chlorodibromomethane	1.2		0.43	0.50
Chloroform	1.9		0.29	0.50
Dichlorobromomethane	1.3		0.54	1.0
Trihalomethanes, Total	4.4		0.29	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichlorobenzene-d4	93		70 - 130
4-Bromofluorobenzene	97		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Client Sample ID: **MW-6 DUP**

Lab Sample ID: 660-33509-1
Client Matrix: Water

Date Sampled: 01/26/2010 1050
Date Received: 01/26/2010 1725

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/03/2010 1245
Date Prepared: 02/03/2010 1245

Analysis Batch: 660-90204

Instrument ID: BVMJ5975
Lab File ID: 1JB0310.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.63	I	0.50	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorobromomethane	1.0		0.35	1.0
Bromoform	0.58	U	0.58	1.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	1.9		0.90	1.0
Chlorodibromomethane	3.8		0.34	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.80	I	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Bromomethane	2.5	U	2.5	5.0
Chloromethane	1.0	U	1.0	4.0
Dibromomethane	0.41	U	0.41	1.0
Methylene Chloride	4.7	I J3	4.0	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Iodomethane	2.5	U	2.5	5.0
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Styrene	0.98	U	0.98	2.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	1.9		0.50	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Client Sample ID: **MW-6 DUP**

Lab Sample ID: 660-33509-1
Client Matrix: Water

Date Sampled: 01/26/2010 1050
Date Received: 01/26/2010 1725

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90204	Instrument ID:	BVMJ5975
Preparation:	5030B		Lab File ID:	1JB0310.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	02/03/2010 1245		Final Weight/Volume:	5 mL
Date Prepared:	02/03/2010 1245			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	105		70 - 130
Dibromofluoromethane	105		70 - 130
Toluene-d8 (Surr)	104		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Client Sample ID: **MW-6**

Lab Sample ID: 660-33509-2
Client Matrix: Water

Date Sampled: 01/26/2010 1050
Date Received: 01/26/2010 1725

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 01/28/2010 2010
Date Prepared: 01/28/2010 2010

Analysis Batch: 660-90011

Instrument ID: BVMJ5975
Lab File ID: 1JA2831.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.63	I	0.50	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorobromomethane	1.1		0.35	1.0
Bromoform	0.58	U	0.58	1.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	1.9		0.90	1.0
Chlorodibromomethane	3.9		0.34	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.82	I	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Bromomethane	2.5	U	2.5	5.0
Chloromethane	1.0	U	1.0	4.0
Dibromomethane	0.41	U	0.41	1.0
Methylene Chloride	4.0	U	4.0	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Iodomethane	2.5	U J3	2.5	5.0
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Styrene	0.98	U	0.98	2.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	1.9		0.50	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Client Sample ID: **MW-6**

Lab Sample ID: 660-33509-2
Client Matrix: Water

Date Sampled: 01/26/2010 1050
Date Received: 01/26/2010 1725

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 01/28/2010 2010
Date Prepared: 01/28/2010 2010

Analysis Batch: 660-90011

Instrument ID: BVMJ5975
Lab File ID: 1JA2831.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		70 - 130
Dibromofluoromethane	105		70 - 130
Toluene-d8 (Surr)	106		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Client Sample ID: **Trip Blank 33509**

Lab Sample ID: 660-33509-3
Client Matrix: Water

Date Sampled: 01/26/2010 0000
Date Received: 01/26/2010 1725

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 01/28/2010 1336
Date Prepared: 01/28/2010 1336

Analysis Batch: 660-90011

Instrument ID: BVMJ5975
Lab File ID: 1JA2814.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Bromomethane	2.5	U	2.5	5.0
Chloromethane	1.0	U	1.0	4.0
Dibromomethane	0.41	U	0.41	1.0
Methylene Chloride	4.0	U	4.0	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Iodomethane	2.5	U J3	2.5	5.0
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Styrene	0.98	U	0.98	2.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Client Sample ID: **Trip Blank 33509**

Lab Sample ID: 660-33509-3
Client Matrix: Water

Date Sampled: 01/26/2010 0000
Date Received: 01/26/2010 1725

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90011	Instrument ID:	BVMJ5975
Preparation:	5030B		Lab File ID:	1JA2814.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	01/28/2010 1336		Final Weight/Volume:	5 mL
Date Prepared:	01/28/2010 1336			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	111		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8 (Surr)	105		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Client Sample ID: **MW-6 DUP**

Lab Sample ID: 660-33509-1
Client Matrix: Water

Date Sampled: 01/26/2010 1050
Date Received: 01/26/2010 1725

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 660-90072		Instrument ID:	BSGU
Preparation:	8011	Prep Batch: 660-90069		Initial Weight/Volume:	34.3331 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	01/28/2010 2044			Injection Volume:	4 uL
Date Prepared:	01/28/2010 1430			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.020
Ethylene Dibromide	0.010	U	0.010	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	110		60 - 140

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Client Sample ID: **MW-6**

Lab Sample ID: 660-33509-2
Client Matrix: Water

Date Sampled: 01/26/2010 1050
Date Received: 01/26/2010 1725

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 660-90072		Instrument ID:	BSGU
Preparation:	8011	Prep Batch: 660-90069		Initial Weight/Volume:	34.7659 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	01/28/2010 2105			Injection Volume:	4 uL
Date Prepared:	01/28/2010 1430			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.020
Ethylene Dibromide	0.010	U	0.010	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	108		60 - 140

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Client Sample ID: **MW-6 DUP**

Lab Sample ID: 660-33509-1
Client Matrix: Water

Date Sampled: 01/26/2010 1050
Date Received: 01/26/2010 1725

6020 Metals (ICP/MS)-Total Recoverable

Method:	6020	Analysis Batch: 680-159526		Instrument ID:	ICPMSA
Preparation:	3005A	Prep Batch: 680-159398		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	01/28/2010 1727			Final Weight/Volume:	250 mL
Date Prepared:	01/28/2010 1115				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	130		0.25	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	1.3	U	1.3	2.5
Barium	87		1.3	5.0
Beryllium	0.49	I	0.25	0.50
Lead	1.4	I	0.20	1.5
Selenium	1.0	U	1.0	2.5
Cadmium	0.35	I	0.095	0.50
Silver	0.28	I	0.25	1.0
Chromium	2.5	U	2.5	5.0
Nickel	32		2.0	5.0
Cobalt	2.3		0.15	0.50
Copper	11		1.1	5.0
Iron	210		33	100
Vanadium	3.8	U	3.8	10
Zinc	17	I	8.3	20
Thallium	0.50	U	0.50	1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 680-160942		Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-160674		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	02/16/2010 1854			Final Weight/Volume:	50 mL
Date Prepared:	02/12/2010 1308				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.091	U	0.091	0.20

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Client Sample ID: **MW-6**

Lab Sample ID: 660-33509-2
Client Matrix: Water

Date Sampled: 01/26/2010 1050
Date Received: 01/26/2010 1725

6020 Metals (ICP/MS)-Total Recoverable

Method:	6020	Analysis Batch: 680-159526		Instrument ID:	ICPMSA
Preparation:	3005A	Prep Batch: 680-159398		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	01/28/2010 1733			Final Weight/Volume:	250 mL
Date Prepared:	01/28/2010 1115				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	120		0.25	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	1.3	U	1.3	2.5
Barium	86		1.3	5.0
Beryllium	0.58		0.25	0.50
Lead	1.4	I	0.20	1.5
Selenium	1.0	U	1.0	2.5
Cadmium	0.27	I	0.095	0.50
Silver	0.28	I	0.25	1.0
Chromium	2.5	U	2.5	5.0
Nickel	31		2.0	5.0
Cobalt	2.4		0.15	0.50
Copper	10		1.1	5.0
Iron	220		33	100
Vanadium	3.8	U	3.8	10
Zinc	17	I	8.3	20
Thallium	0.50	U	0.50	1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 680-160942		Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-160674		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	02/16/2010 1858			Final Weight/Volume:	50 mL
Date Prepared:	02/12/2010 1308				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.091	U	0.091	0.20

General Chemistry

Client Sample ID: **MW-6 DUP**

Lab Sample ID: 660-33509-1
Client Matrix: Water

Date Sampled: 01/26/2010 1050
Date Received: 01/26/2010 1725

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Chloride	220		mg/L	1.0	2.5	5.0	300.0
Analysis Batch: 660-89993	Date Analyzed: 01/27/2010 1803						
Ammonia (as N)	1.2	J3	mg/L	0.010	0.020	1.0	350.1
Analysis Batch: 660-90114	Date Analyzed: 02/01/2010 1208						
Nitrate as N	4.9		mg/L	0.10	0.50	1.0	353.2
Analysis Batch: 660-89964	Date Analyzed: 01/27/2010 1442						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Total Dissolved Solids	400		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-89979	Date Analyzed: 01/28/2010 0735						

General Chemistry

Client Sample ID: MW-6

Lab Sample ID: 660-33509-2 Date Sampled: 01/26/2010 1050
Client Matrix: Water Date Received: 01/26/2010 1725

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Chloride	220		mg/L	1.0	2.5	5.0	300.0
Analysis Batch: 660-89993	Date Analyzed: 01/27/2010 1820						
Ammonia (as N)	1.2		mg/L	0.010	0.020	1.0	350.1
Analysis Batch: 660-90114	Date Analyzed: 02/01/2010 1212						
Nitrate as N	4.8		mg/L	0.10	0.50	1.0	353.2
Analysis Batch: 660-89964	Date Analyzed: 01/27/2010 1442						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Total Dissolved Solids	400		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-89979	Date Analyzed: 01/28/2010 0737						

Field Service / Mobile Lab

Client Sample ID: **MW-6 DUP**

Lab Sample ID: 660-33509-1
Client Matrix: Water

Date Sampled: 01/26/2010 1050
Date Received: 01/26/2010 1725

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Color	Clear		Color Units	1.0	Field Sampling	660-90542	01/26/2010 1040
Field pH	4.04		SU	1.0	Field Sampling	660-90542	01/26/2010 1040
Field Temperature	23.0		Degrees C	1.0	Field Sampling	660-90542	01/26/2010 1040
Oxygen, Dissolved	0.56		mg/L	1.0	Field Sampling	660-90542	01/26/2010 1040
Specific Conductance	819		umhos/cm	1.0	Field Sampling	660-90542	01/26/2010 1040
Turbidity	0.87		NTU	1.0	Field Sampling	660-90542	01/26/2010 1040
Water Level	112.28		ft	1.0	Field Sampling	660-90542	01/26/2010 1040

Field Service / Mobile Lab

Client Sample ID: **MW-6**

Lab Sample ID: 660-33509-2
Client Matrix: Water

Date Sampled: 01/26/2010 1050
Date Received: 01/26/2010 1725

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Color	Clear		Color Units	1.0	Field Sampling	660-90542	01/26/2010 1040
Field pH	4.04		SU	1.0	Field Sampling	660-90542	01/26/2010 1040
Field Temperature	23.0		Degrees C	1.0	Field Sampling	660-90542	01/26/2010 1040
Oxygen, Dissolved	0.56		mg/L	1.0	Field Sampling	660-90542	01/26/2010 1040
Specific Conductance	819		umhos/cm	1.0	Field Sampling	660-90542	01/26/2010 1040
Turbidity	0.87		NTU	1.0	Field Sampling	660-90542	01/26/2010 1040
Water Level	112.28		ft	1.0	Field Sampling	660-90542	01/26/2010 1040

DATA REPORTING QUALIFIERS

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
GC Semi VOA		
	U	Indicates that the compound was analyzed for but not detected.
Metals		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Method Blank - Batch: 680-159687

Method: 524.2
Preparation: N/A

Lab Sample ID: MB 680-159687/19
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1313
Date Prepared: N/A

Analysis Batch: 680-159687
Prep Batch: N/A
Units: ug/L

Instrument ID: MSS
Lab File ID: sq404.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Bromoform	0.39	U	0.39	0.50
Chlorodibromomethane	0.43	U	0.43	0.50
Chloroform	0.29	U	0.29	0.50
Dichlorobromomethane	0.54	U	0.54	1.0
Trihalomethanes, Total	0.29	U	0.29	0.50

Surrogate	% Rec	Acceptance Limits
1,2-Dichlorobenzene-d4	88	70 - 130
4-Bromofluorobenzene	94	70 - 130

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-159687

Method: 524.2
Preparation: N/A

LCS Lab Sample ID: LCS 680-159687/16
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1204
Date Prepared: N/A

Analysis Batch: 680-159687
Prep Batch: N/A
Units: ug/L

Instrument ID: MSS
Lab File ID: sq401.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-159687/17
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1227
Date Prepared: N/A

Analysis Batch: 680-159687
Prep Batch: N/A
Units: ug/L

Instrument ID: MSS
Lab File ID: sq402.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Bromoform	99	99	70 - 130	0	30		
Chlorodibromomethane	99	97	70 - 130	2	30		
Chloroform	100	99	70 - 130	2	30		
Dichlorobromomethane	96	92	70 - 130	4	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Method Blank - Batch: 660-90011

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-90011/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1143
Date Prepared: 01/28/2010 1143

Analysis Batch: 660-90011
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JA2809.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Bromomethane	2.5	U	2.5	5.0
Chloromethane	1.0	U	1.0	4.0
Dibromomethane	0.41	U	0.41	1.0
Methylene Chloride	4.0	U	4.0	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Iodomethane	2.5	U	2.5	5.0
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Styrene	0.98	U	0.98	2.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Method Blank - Batch: 660-90011

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-90011/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1143
Date Prepared: 01/28/2010 1143

Analysis Batch: 660-90011
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JA2809.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	111	70 - 130
4-Bromofluorobenzene	111	70 - 130
Dibromofluoromethane	104	70 - 130
Toluene-d8 (Surr)	106	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Lab Control Sample - Batch: 660-90011

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 660-90011/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 0948
Date Prepared: 01/28/2010 0948

Analysis Batch: 660-90011
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JA2804.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	100	111	111	62 - 142	
Acrylonitrile	200	160	80	10 - 183	
Benzene	20.0	16.9	85	64 - 140	
Chlorobromomethane	20.0	16.9	85	59 - 130	
Dichlorobromomethane	20.0	17.5	88	70 - 130	
Bromoform	20.0	16.4	82	65 - 130	
Carbon disulfide	10.0	7.39	74	30 - 184	
Carbon tetrachloride	20.0	14.8	74	53 - 145	
Chlorobenzene	20.0	16.4	82	70 - 130	
Chloroethane	20.0	22.5	113	39 - 174	
Chloroform	20.0	17.5	87	59 - 130	
Chlorodibromomethane	20.0	16.3	82	70 - 130	
1,2-Dibromo-3-Chloropropane	20.0	18.2	91	52 - 130	
Ethylene Dibromide	20.0	17.4	87	65 - 130	
1,2-Dichlorobenzene	20.0	18.6	93	70 - 130	
1,4-Dichlorobenzene	20.0	17.5	87	70 - 130	
trans-1,4-Dichloro-2-butene	20.0	21.5	108	70 - 130	
1,1-Dichloroethane	20.0	15.8	79	60 - 132	
1,2-Dichloroethane	20.0	18.9	95	70 - 130	
1,1-Dichloroethene	20.0	13.2	66	51 - 157	
cis-1,2-Dichloroethene	20.0	17.9	89	61 - 130	
trans-1,2-Dichloroethene	20.0	15.0	75	55 - 145	
1,2-Dichloropropane	20.0	16.5	83	70 - 130	
cis-1,3-Dichloropropene	20.0	17.3	86	70 - 130	
trans-1,3-Dichloropropene	20.0	16.3	81	62 - 130	
Ethylbenzene	20.0	17.0	85	69 - 131	
2-Hexanone	100	91.6	92	57 - 148	
Bromomethane	20.0	15.7	78	14 - 184	
Chloromethane	20.0	20.8	104	35 - 153	
Dibromomethane	20.0	17.5	88	70 - 130	
Methylene Chloride	20.0	17.0	85	57 - 130	
2-Butanone (MEK)	100	90.5	90	63 - 140	
Iodomethane	20.0	12.8	64	70 - 130	J3
4-Methyl-2-pentanone (MIBK)	100	93.5	94	64 - 137	
Styrene	20.0	16.8	84	62 - 136	
1,1,1,2-Tetrachloroethane	20.0	15.9	80	70 - 130	
1,1,2,2-Tetrachloroethane	20.0	19.5	98	67 - 130	
Tetrachloroethene	20.0	12.8	64	47 - 143	
Toluene	20.0	15.0	75	70 - 131	
1,1,1-Trichloroethane	20.0	15.5	78	57 - 135	
1,1,2-Trichloroethane	20.0	16.8	84	69 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Lab Control Sample - Batch: 660-90011

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 660-90011/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 0948
Date Prepared: 01/28/2010 0948

Analysis Batch: 660-90011
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JA2804.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Trichloroethene	20.0	14.8	74	59 - 142	
Trichlorofluoromethane	20.0	17.4	87	62 - 147	
1,2,3-Trichloropropane	20.0	17.7	88	62 - 130	
Vinyl acetate	37.1	29.1	78	10 - 166	
Vinyl chloride	20.0	15.4	77	48 - 147	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Matrix Spike - Batch: 660-90011

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33514-C-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1511
Date Prepared: 01/28/2010 1511

Analysis Batch: 660-90011
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JA2818.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Acetone	9.9	U	100	109	109	62 - 142	
Acrylonitrile	1.2	U	200	145	72	10 - 183	
Benzene	0.50	U	20.0	20.1	100	64 - 140	
Chlorobromomethane	0.58	U	20.0	18.3	92	59 - 130	
Dichlorobromomethane	13		20.0	34.5	106	70 - 130	
Bromoform	7.0		20.0	19.9	64	65 - 130	J3
Carbon disulfide	0.85	U	10.0	8.72	87	30 - 184	
Carbon tetrachloride	0.42	U	20.0	17.5	87	53 - 145	
Chlorobenzene	0.63	U	20.0	18.7	94	70 - 130	
Chloroethane	2.5	U	20.0	20.3	102	39 - 174	
Chloroform	8.3		20.0	28.2	99	59 - 130	
Chlorodibromomethane	9.7		20.0	25.7	80	70 - 130	
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	18.3	92	52 - 130	
Ethylene Dibromide	0.50	U	20.0	17.9	90	65 - 130	
1,2-Dichlorobenzene	0.44	U	20.0	21.0	105	70 - 130	
1,4-Dichlorobenzene	0.52	U	20.0	19.6	98	70 - 130	
trans-1,4-Dichloro-2-butene	2.5	U	20.0	22.5	113	70 - 130	
1,1-Dichloroethane	0.52	U	20.0	19.0	95	60 - 132	
1,2-Dichloroethane	0.57	U	20.0	21.2	106	70 - 130	
1,1-Dichloroethene	0.45	U	20.0	15.7	79	51 - 157	
cis-1,2-Dichloroethene	0.65	U	20.0	20.8	104	61 - 130	
trans-1,2-Dichloroethene	0.44	U	20.0	18.1	90	55 - 145	
1,2-Dichloropropane	0.52	U	20.0	19.6	98	70 - 130	
cis-1,3-Dichloropropene	0.14	U	20.0	19.1	96	70 - 130	
trans-1,3-Dichloropropene	0.14	U	20.0	18.0	90	62 - 130	
Ethylbenzene	0.44	U	20.0	19.2	96	69 - 131	
2-Hexanone	4.4	U	100	88.3	88	57 - 148	
Bromomethane	2.5	U	20.0	15.4	77	14 - 184	
Chloromethane	1.0	U	20.0	28.5	143	35 - 153	
Dibromomethane	0.41	U	20.0	19.4	97	70 - 130	
Methylene Chloride	4.0	U	20.0	14.6	73	57 - 130	
2-Butanone (MEK)	8.4	U	100	84.8	85	63 - 140	
Iodomethane	2.5	U	20.0	13.9	70	70 - 130	
4-Methyl-2-pentanone (MIBK)	3.8	U	100	91.4	91	64 - 137	
Styrene	0.98	U	20.0	19.6	98	62 - 136	
1,1,1,2-Tetrachloroethane	0.63	U	20.0	18.7	93	70 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Matrix Spike - Batch: 660-90011

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33514-C-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1511
Date Prepared: 01/28/2010 1511

Analysis Batch: 660-90011
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JA2818.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
1,1,2,2-Tetrachloroethane	0.15	U	20.0	21.3	107	67 - 130	
Tetrachloroethene	0.50	U	20.0	13.1	65	47 - 143	
Toluene	0.51	U	20.0	17.9	89	70 - 131	
1,1,1-Trichloroethane	0.46	U	20.0	18.0	90	57 - 135	
1,1,2-Trichloroethane	0.47	U	20.0	18.7	94	69 - 130	
Trichloroethene	0.50	U	20.0	17.6	88	59 - 142	
Trichlorofluoromethane	2.5	U	20.0	19.1	96	62 - 147	
1,2,3-Trichloropropane	0.18	U	20.0	19.8	99	62 - 130	
Vinyl acetate	1.5	U	37.1	30.3	82	10 - 166	
Vinyl chloride	0.50	U	20.0	18.1	91	48 - 147	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Duplicate - Batch: 660-90011

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33514-C-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1445
Date Prepared: 01/28/2010 1445

Analysis Batch: 660-90011
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JA2817.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Acetone	9.9	U	9.9	NC	30	U
Acrylonitrile	1.2	U	1.2	NC	30	U
Benzene	0.50	U	0.50	NC	30	U
Chlorobromomethane	0.58	U	0.58	NC	30	U
Dichlorobromomethane	13		12.1	9	30	
Bromoform	7.0		6.84	3	30	
Carbon disulfide	0.85	U	0.85	NC	30	U
Carbon tetrachloride	0.42	U	0.42	NC	30	U
Chlorobenzene	0.63	U	0.63	NC	30	U
Chloroethane	2.5	U	2.5	NC	30	U
Chloroform	8.3		7.98	4	30	
Chlorodibromomethane	9.7		8.91	8	30	
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	NC	30	U
Ethylene Dibromide	0.50	U	0.50	NC	30	U
1,2-Dichlorobenzene	0.44	U	0.44	NC	30	U
1,4-Dichlorobenzene	0.52	U	0.52	NC	30	U
trans-1,4-Dichloro-2-butene	2.5	U	2.5	NC	30	U
1,1-Dichloroethane	0.52	U	0.52	NC	30	U
1,2-Dichloroethane	0.57	U	0.57	NC	30	U
1,1-Dichloroethene	0.45	U	0.45	NC	30	U
cis-1,2-Dichloroethene	0.65	U	0.65	NC	30	U
trans-1,2-Dichloroethene	0.44	U	0.44	NC	30	U
1,2-Dichloropropane	0.52	U	0.52	NC	30	U
cis-1,3-Dichloropropene	0.14	U	0.14	NC	30	U
trans-1,3-Dichloropropene	0.14	U	0.14	NC	30	U
Ethylbenzene	0.44	U	0.44	NC	30	U
2-Hexanone	4.4	U	4.4	NC	30	U
Bromomethane	2.5	U	2.5	NC	30	U
Chloromethane	1.0	U	1.0	NC	30	U
Dibromomethane	0.41	U	0.41	NC	30	U
Methylene Chloride	4.0	U	4.0	NC	30	U
2-Butanone (MEK)	8.4	U	8.4	NC	30	U
Iodomethane	2.5	U	2.5	NC	30	U J3
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	NC	30	U
Styrene	0.98	U	0.98	NC	30	U
1,1,1,2-Tetrachloroethane	0.63	U	0.63	NC	30	U
1,1,2,2-Tetrachloroethane	0.15	U	0.15	NC	30	U
Tetrachloroethene	0.50	U	0.50	NC	30	U
Toluene	0.51	U	0.51	NC	30	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Duplicate - Batch: 660-90011

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33514-C-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1445
Date Prepared: 01/28/2010 1445

Analysis Batch: 660-90011
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JA2817.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
1,1,1-Trichloroethane	0.46	U	0.46	NC	30	U
1,1,2-Trichloroethane	0.47	U	0.47	NC	30	U
Trichloroethene	0.50	U	0.50	NC	30	U
Trichlorofluoromethane	2.5	U	2.5	NC	30	U
1,2,3-Trichloropropane	0.18	U	0.18	NC	30	U
Vinyl acetate	1.5	U	1.5	NC	30	U
Vinyl chloride	0.50	U	0.50	NC	30	U
Xylenes, Total	0.50	U	0.50	NC	30	U

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	110	70 - 130
Dibromofluoromethane	109	70 - 130
Toluene-d8 (Surr)	105	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Method Blank - Batch: 660-90204

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-90204/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/03/2010 1200
Date Prepared: 02/03/2010 1200

Analysis Batch: 660-90204
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JB0308.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Bromomethane	2.5	U	2.5	5.0
Chloromethane	1.0	U	1.0	4.0
Dibromomethane	0.41	U	0.41	1.0
Methylene Chloride	4.0	U	4.0	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Iodomethane	2.5	U	2.5	5.0
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Styrene	0.98	U	0.98	2.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Method Blank - Batch: 660-90204

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-90204/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/03/2010 1200
Date Prepared: 02/03/2010 1200

Analysis Batch: 660-90204
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JB0308.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	104	70 - 130
Dibromofluoromethane	103	70 - 130
Toluene-d8 (Surr)	105	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Lab Control Sample - Batch: 660-90204

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 660-90204/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/03/2010 1028
Date Prepared: 02/03/2010 1028

Analysis Batch: 660-90204
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JB0304.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	100	104	104	62 - 142	
Acrylonitrile	200	171	85	10 - 183	
Benzene	20.0	17.9	90	64 - 140	
Chlorobromomethane	20.0	18.0	90	59 - 130	
Dichlorobromomethane	20.0	18.2	91	70 - 130	
Bromoform	20.0	16.8	84	65 - 130	
Carbon disulfide	10.0	9.16	92	30 - 184	
Carbon tetrachloride	20.0	16.0	80	53 - 145	
Chlorobenzene	20.0	16.3	81	70 - 130	
Chloroethane	20.0	21.9	109	39 - 174	
Chloroform	20.0	17.7	88	59 - 130	
Chlorodibromomethane	20.0	16.7	83	70 - 130	
1,2-Dibromo-3-Chloropropane	20.0	17.8	89	52 - 130	
Ethylene Dibromide	20.0	17.9	90	65 - 130	
1,2-Dichlorobenzene	20.0	18.1	91	70 - 130	
1,4-Dichlorobenzene	20.0	17.0	85	70 - 130	
trans-1,4-Dichloro-2-butene	20.0	22.3	111	70 - 130	
1,1-Dichloroethane	20.0	17.5	87	60 - 132	
1,2-Dichloroethane	20.0	19.9	99	70 - 130	
1,1-Dichloroethene	20.0	17.1	86	51 - 157	
cis-1,2-Dichloroethene	20.0	18.9	95	61 - 130	
trans-1,2-Dichloroethene	20.0	17.4	87	55 - 145	
1,2-Dichloropropane	20.0	17.4	87	70 - 130	
cis-1,3-Dichloropropene	20.0	18.0	90	70 - 130	
trans-1,3-Dichloropropene	20.0	17.5	88	62 - 130	
Ethylbenzene	20.0	16.2	81	69 - 131	
2-Hexanone	100	97.6	98	57 - 148	
Bromomethane	20.0	13.9	70	14 - 184	
Chloromethane	20.0	22.5	113	35 - 153	
Dibromomethane	20.0	17.9	90	70 - 130	
Methylene Chloride	20.0	18.2	91	57 - 130	
2-Butanone (MEK)	100	94.2	94	63 - 140	
Iodomethane	20.0	14.3	72	70 - 130	
4-Methyl-2-pentanone (MIBK)	100	102	102	64 - 137	
Styrene	20.0	16.7	84	62 - 136	
1,1,1,2-Tetrachloroethane	20.0	16.2	81	70 - 130	
1,1,2,2-Tetrachloroethane	20.0	19.3	96	67 - 130	
Tetrachloroethene	20.0	13.5	68	47 - 143	
Toluene	20.0	15.1	76	70 - 131	
1,1,1-Trichloroethane	20.0	16.4	82	57 - 135	
1,1,2-Trichloroethane	20.0	17.2	86	69 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Lab Control Sample - Batch: 660-90204

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 660-90204/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/03/2010 1028
Date Prepared: 02/03/2010 1028

Analysis Batch: 660-90204
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JB0304.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Trichloroethene	20.0	15.6	78	59 - 142	
Trichlorofluoromethane	20.0	19.0	95	62 - 147	
1,2,3-Trichloropropane	20.0	18.0	90	62 - 130	
Vinyl acetate	37.1	29.9	81	10 - 166	
Vinyl chloride	20.0	18.2	91	48 - 147	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Matrix Spike - Batch: 660-90204

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33509-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/03/2010 1334
Date Prepared: 02/03/2010 1334

Analysis Batch: 660-90204
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JB0312.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Acetone	9.9	U	100	106	106	62 - 142	
Acrylonitrile	1.2	U	200	165	82	10 - 183	
Benzene	0.63	I	20.0	22.6	110	64 - 140	
Chlorobromomethane	0.58	U	20.0	20.8	104	59 - 130	
Dichlorobromomethane	1.0		20.0	22.5	107	70 - 130	
Bromoform	0.58	U	20.0	17.6	88	65 - 130	
Carbon disulfide	0.85	U	10.0	11.0	110	30 - 184	
Carbon tetrachloride	0.42	U	20.0	19.4	97	53 - 145	
Chlorobenzene	0.63	U	20.0	19.7	99	70 - 130	
Chloroethane	2.5	U	20.0	26.1	130	39 - 174	
Chloroform	1.9		20.0	23.5	108	59 - 130	
Chlorodibromomethane	3.8		20.0	19.1	77	70 - 130	
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	17.4	87	52 - 130	
Ethylene Dibromide	0.50	U	20.0	19.1	95	65 - 130	
1,2-Dichlorobenzene	0.44	U	20.0	20.7	103	70 - 130	
1,4-Dichlorobenzene	0.52	U	20.0	20.0	100	70 - 130	
trans-1,4-Dichloro-2-butene	2.5	U	20.0	22.5	113	70 - 130	
1,1-Dichloroethane	0.52	U	20.0	22.0	110	60 - 132	
1,2-Dichloroethane	0.57	U	20.0	23.1	116	70 - 130	
1,1-Dichloroethene	0.45	U	20.0	22.5	112	51 - 157	
cis-1,2-Dichloroethene	0.80	I	20.0	24.3	117	61 - 130	
trans-1,2-Dichloroethene	0.44	U	20.0	21.9	109	55 - 145	
1,2-Dichloropropane	0.52	U	20.0	21.0	105	70 - 130	
cis-1,3-Dichloropropene	0.14	U	20.0	20.9	105	70 - 130	
trans-1,3-Dichloropropene	0.14	U	20.0	19.2	96	62 - 130	
Ethylbenzene	0.44	U	20.0	20.0	100	69 - 131	
2-Hexanone	4.4	U	100	89.7	90	57 - 148	
Bromomethane	2.5	U	20.0	16.7	84	14 - 184	
Chloromethane	1.0	U	20.0	25.6	128	35 - 153	
Dibromomethane	0.41	U	20.0	20.6	103	70 - 130	
Methylene Chloride	4.7	I	20.0	19.6	75	57 - 130	
2-Butanone (MEK)	8.4	U	100	90.7	91	63 - 140	
Iodomethane	2.5	U	20.0	14.5	72	70 - 130	
4-Methyl-2-pentanone (MIBK)	3.8	U	100	95.3	95	64 - 137	
Styrene	0.98	U	20.0	20.3	101	62 - 136	
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.7	99	70 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Matrix Spike - Batch: 660-90204

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33509-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/03/2010 1334
Date Prepared: 02/03/2010 1334

Analysis Batch: 660-90204
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JB0312.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.7	103	67 - 130	
Tetrachloroethene	0.50	U	20.0	14.1	70	47 - 143	
Toluene	0.51	U	20.0	18.6	93	70 - 131	
1,1,1-Trichloroethane	0.46	U	20.0	20.2	101	57 - 135	
1,1,2-Trichloroethane	0.47	U	20.0	19.1	95	69 - 130	
Trichloroethene	0.50	U	20.0	18.6	93	59 - 142	
Trichlorofluoromethane	2.5	U	20.0	20.1	100	62 - 147	
1,2,3-Trichloropropane	0.18	U	20.0	19.4	97	62 - 130	
Vinyl acetate	1.5	U	37.1	32.7	88	10 - 166	
Vinyl chloride	1.9		20.0	20.0	90	48 - 147	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Duplicate - Batch: 660-90204

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33509-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/03/2010 1311
Date Prepared: 02/03/2010 1311

Analysis Batch: 660-90204
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JB0311.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Acetone	9.9	U	9.9	NC	30	U
Acrylonitrile	1.2	U	1.2	NC	30	U
Benzene	0.63	I	0.680	7	30	I
Chlorobromomethane	0.58	U	0.58	NC	30	U
Dichlorobromomethane	1.0		1.22	19	30	
Bromoform	0.58	U	0.58	NC	30	U
Carbon disulfide	0.85	U	0.85	NC	30	U
Carbon tetrachloride	0.42	U	0.42	NC	30	U
Chlorobenzene	0.63	U	0.63	NC	30	U
Chloroethane	2.5	U	2.5	NC	30	U
Chloroform	1.9		2.06	10	30	
Chlorodibromomethane	3.8		3.95	3	30	
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	NC	30	U
Ethylene Dibromide	0.50	U	0.50	NC	30	U
1,2-Dichlorobenzene	0.44	U	0.44	NC	30	U
1,4-Dichlorobenzene	0.52	U	0.52	NC	30	U
trans-1,4-Dichloro-2-butene	2.5	U	2.5	NC	30	U
1,1-Dichloroethane	0.52	U	0.554	NC	30	I
1,2-Dichloroethane	0.57	U	0.57	NC	30	U
1,1-Dichloroethene	0.45	U	0.45	NC	30	U
cis-1,2-Dichloroethene	0.80	I	0.918	14	30	I
trans-1,2-Dichloroethene	0.44	U	0.44	NC	30	U
1,2-Dichloropropane	0.52	U	0.52	NC	30	U
cis-1,3-Dichloropropene	0.14	U	0.14	NC	30	U
trans-1,3-Dichloropropene	0.14	U	0.14	NC	30	U
Ethylbenzene	0.44	U	0.44	NC	30	U
2-Hexanone	4.4	U	4.4	NC	30	U
Bromomethane	2.5	U	2.5	NC	30	U
Chloromethane	1.0	U	1.0	NC	30	U
Dibromomethane	0.41	U	0.41	NC	30	U
Methylene Chloride	4.7	I	6.56	33	30	J3
2-Butanone (MEK)	8.4	U	8.4	NC	30	U
Iodomethane	2.5	U	2.5	NC	30	U
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	NC	30	U
Styrene	0.98	U	0.98	NC	30	U
1,1,1,2-Tetrachloroethane	0.63	U	0.63	NC	30	U
1,1,2,2-Tetrachloroethane	0.15	U	0.15	NC	30	U
Tetrachloroethene	0.50	U	0.50	NC	30	U
Toluene	0.51	U	0.51	NC	30	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Duplicate - Batch: 660-90204

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33509-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/03/2010 1311
Date Prepared: 02/03/2010 1311

Analysis Batch: 660-90204
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JB0311.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
1,1,1-Trichloroethane	0.46	U	0.46	NC	30	U
1,1,2-Trichloroethane	0.47	U	0.47	NC	30	U
Trichloroethene	0.50	U	0.50	NC	30	U
Trichlorofluoromethane	2.5	U	2.5	NC	30	U
1,2,3-Trichloropropane	0.18	U	0.18	NC	30	U
Vinyl acetate	1.5	U	1.5	NC	30	U
Vinyl chloride	1.9		2.10	8	30	
Xylenes, Total	0.50	U	0.50	NC	30	U

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	105	70 - 130
Dibromofluoromethane	102	70 - 130
Toluene-d8 (Surr)	104	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Method Blank - Batch: 660-90069

Method: 8011
Preparation: 8011

Lab Sample ID: MB 660-90069/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1741
Date Prepared: 01/28/2010 1430

Analysis Batch: 660-90072
Prep Batch: 660-90069
Units: ug/L

Instrument ID: BSGU
Lab File ID: 1A28U013.D
Initial Weight/Volume: 34.7964 g
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.020
Ethylene Dibromide	0.010	U	0.010	0.020

Surrogate	% Rec	Acceptance Limits
1,1,1,2-Tetrachloroethane	86	60 - 140

Lab Control Sample - Batch: 660-90069

Method: 8011
Preparation: 8011

Lab Sample ID: LCS 660-90069/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1801
Date Prepared: 01/28/2010 1430

Analysis Batch: 660-90072
Prep Batch: 660-90069
Units: ug/L

Instrument ID: BSGU
Lab File ID: 1A28U014.D
Initial Weight/Volume: 34.7006 g
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2-Dibromo-3-Chloropropane	0.252	0.216	86	60 - 140	
Ethylene Dibromide	0.252	0.224	89	60 - 140	

Matrix Spike - Batch: 660-90069

Method: 8011
Preparation: 8011

Lab Sample ID: 660-33498-H-4-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1842
Date Prepared: 01/28/2010 1430

Analysis Batch: 660-90072
Prep Batch: 660-90069
Units: ug/L

Instrument ID: BSGU
Lab File ID: 1A28U016.D
Initial Weight/Volume: 36.1711 g
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
1,2-Dibromo-3-Chloropropane	0.010	U	0.242	0.192	79	60 - 140	
Ethylene Dibromide	0.010	U	0.242	0.202	83	60 - 140	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Duplicate - Batch: 660-90069

Method: 8011
Preparation: 8011

Lab Sample ID: 660-33498-H-5-B DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1923
Date Prepared: 01/28/2010 1430

Analysis Batch: 660-90072
Prep Batch: 660-90069
Units: ug/L

Instrument ID: BSGU
Lab File ID: 1A28U018.D
Initial Weight/Volume: 34.4981 g
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
1,2-Dibromo-3-Chloropropane	0.0098	U	0.010	NC	40	U
Ethylene Dibromide	0.0098	U	0.010	NC	40	U

Surrogate	% Rec	Acceptance Limits
1,1,1,2-Tetrachloroethane	108	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Method Blank - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 680-159398/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1630
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398
Units: mg/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Sodium	0.25	U	0.25	0.50

Method Blank - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 680-159398/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1630
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398
Units: ug/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	1.3	U	1.3	2.5
Barium	1.3	U	1.3	5.0
Beryllium	0.25	U	0.25	0.50
Lead	0.20	U	0.20	1.5
Selenium	1.0	U	1.0	2.5
Cadmium	0.095	U	0.095	0.50
Silver	0.25	U	0.25	1.0
Chromium	2.5	U	2.5	5.0
Nickel	2.0	U	2.0	5.0
Cobalt	0.15	U	0.15	0.50
Copper	1.1	U	1.1	5.0
Iron	33	U	33	100
Vanadium	3.8	U	3.8	10
Zinc	8.3	U	8.3	20
Thallium	0.50	U	0.50	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Lab Control Sample - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 680-159398/17-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1636
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398
Units: mg/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	5.00	5.47	109	75 - 125	

Lab Control Sample - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 680-159398/17-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1636
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398
Units: ug/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	50.0	51.2	102	75 - 125	
Arsenic	100	111	111	75 - 125	
Barium	100	102	102	75 - 125	
Beryllium	50.0	50.2	100	75 - 125	
Lead	50.0	49.7	99	75 - 125	
Selenium	100	109	109	75 - 125	
Cadmium	50.0	52.3	105	75 - 125	
Silver	50.0	49.1	98	75 - 125	
Chromium	100	103	103	75 - 125	
Nickel	100	106	106	75 - 125	
Cobalt	50.0	48.4	97	75 - 125	
Copper	100	105	105	75 - 125	
Iron	5000	5440	109	75 - 125	
Vanadium	100	102	102	75 - 125	
Zinc	100	112	112	75 - 125	
Thallium	40.0	41.5	104	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	660-33512-B-1-B MS	Analysis Batch: 680-159526	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159398	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/28/2010 1845		Final Weight/Volume: 250 mL
Date Prepared:	01/28/2010 1115		

MSD Lab Sample ID:	660-33512-B-1-C MSD	Analysis Batch: 680-159526	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159398	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/28/2010 1852		Final Weight/Volume: 250 mL
Date Prepared:	01/28/2010 1115		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sodium	111	130	75 - 125	4	20		J3

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

MS Lab Sample ID: 660-33512-B-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1845
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

MSD Lab Sample ID: 660-33512-B-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1852
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	107	109	75 - 125	2	20		
Arsenic	114	116	75 - 125	2	20		
Barium	107	110	75 - 125	2	20		
Beryllium	108	108	75 - 125	0	20		
Lead	102	104	75 - 125	2	20		
Selenium	111	115	75 - 125	3	20		
Cadmium	110	110	75 - 125	0	20		
Silver	102	104	75 - 125	2	20		
Chromium	107	111	75 - 125	4	20		
Nickel	109	112	75 - 125	3	20		
Cobalt	100	102	75 - 125	1	20		
Copper	110	113	75 - 125	3	20		
Iron	112	115	75 - 125	3	20		
Vanadium	106	110	75 - 125	3	20		
Zinc	114	113	75 - 125	1	20		
Thallium	108	110	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Method Blank - Batch: 680-160674

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 680-160674/20-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1752
Date Prepared: 02/12/2010 1308

Analysis Batch: 680-160942
Prep Batch: 680-160674
Units: ug/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.091	U	0.091	0.20

Lab Control Sample - Batch: 680-160674

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 680-160674/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1755
Date Prepared: 02/12/2010 1308

Analysis Batch: 680-160942
Prep Batch: 680-160674
Units: ug/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	2.50	2.58	103	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-160674

Method: 7470A
Preparation: 7470A

MS Lab Sample ID: 660-33498-A-6-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1844
Date Prepared: 02/12/2010 1308

Analysis Batch: 680-160942
Prep Batch: 680-160674

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-33498-A-6-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1848
Date Prepared: 02/12/2010 1308

Analysis Batch: 680-160942
Prep Batch: 680-160674

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	101	98	80 - 120	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Method Blank - Batch: 660-89993

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-89993/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2010 1433
Date Prepared: N/A

Analysis Batch: 660-89993
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-89993

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-89993/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2010 1450
Date Prepared: N/A

Analysis Batch: 660-89993
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	10.0	10.3	103	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-89993

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-33511-F-1 MS ^2
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 01/27/2010 1855
Date Prepared: N/A

Analysis Batch: 660-89993
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 660-33511-F-1 MSD ^2
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 01/27/2010 1913
Date Prepared: N/A

Analysis Batch: 660-89993
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	94	94	90 - 110	0	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Method Blank - Batch: 660-90114

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 660-90114/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1206
Date Prepared: N/A

Analysis Batch: 660-90114
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	PQL
Ammonia (as N)	0.010	U	0.010	0.020

Lab Control Sample - Batch: 660-90114

Method: 350.1
Preparation: N/A

Lab Sample ID: LCS 660-90114/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1207
Date Prepared: N/A

Analysis Batch: 660-90114
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia (as N)	0.500	0.526	105	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-90114

Method: 350.1
Preparation: N/A

MS Lab Sample ID: 660-33509-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1209
Date Prepared: N/A

Analysis Batch: 660-90114
Prep Batch: N/A

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 660-33509-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1211
Date Prepared: N/A

Analysis Batch: 660-90114
Prep Batch: N/A

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia (as N)	87	89	90 - 110	1	30	J3	J3

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Method Blank - Batch: 660-89964

Method: 353.2
Preparation: N/A

Lab Sample ID: MB 660-89964/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2010 0846
Date Prepared: N/A

Analysis Batch: 660-89964
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	PQL
Nitrate Nitrite as N	0.10	U	0.10	0.50
Nitrite as N	0.10	U	0.10	0.50
Nitrate as N	0.10	U	0.10	0.50

Lab Control Sample - Batch: 660-89964

Method: 353.2
Preparation: N/A

Lab Sample ID: LCS 660-89964/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2010 0846
Date Prepared: N/A

Analysis Batch: 660-89964
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate Nitrite as N	1.00	0.964	96	90 - 110	
Nitrite as N	1.00	0.978	98	90 - 110	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-89964

Method: 353.2
Preparation: N/A

MS Lab Sample ID:	660-33498-F-4 MS	Analysis Batch: 660-89964	Instrument ID: LACHAT
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/27/2010 0846		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-33498-F-4 MSD	Analysis Batch: 660-89964	Instrument ID: LACHAT
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/27/2010 0846		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate Nitrite as N	96	90	90 - 110	5	30		
Nitrite as N	98	100	90 - 110	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Method Blank - Batch: 660-89979

Method: SM 2540C
Preparation: N/A

Lab Sample ID: MB 660-89979/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 0734
Date Prepared: N/A

Analysis Batch: 660-89979
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	PQL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Lab Control Sample - Batch: 660-89979

Method: SM 2540C
Preparation: N/A

Lab Sample ID: LCS 660-89979/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 0734
Date Prepared: N/A

Analysis Batch: 660-89979
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	10000	9900	99	80 - 120	

Duplicate - Batch: 660-89979

Method: SM 2540C
Preparation: N/A

Lab Sample ID: 660-33509-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 0736
Date Prepared: N/A

Analysis Batch: 660-89979
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	400	402	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

DEP-SOP-001/01

TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: Cyclone

PAGE: 1 of 1

FS 2200 Groundwater Sampling

SITE NAME: Citrus County Landfill	SITE LOCATION: Lecanto, FL
WELL NO: MW-6	SAMPLE ID:
DATE: 1-26-10	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 112 feet to 122 feet	STATIC DEPTH TO WATER (feet): 112.28	PURGE PUMP TYPE OR BAILER: ~~ESP~~ BP

Measuring Point Elevation (ft/msl) . - Water Level = Water Level Elevation
MP Elevation =

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) 9.72 = (122.0 feet – 112.28 feet) X .16 gallons/foot = 1.55 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
118	118	1016	1040	2.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
1032	1.55	1.55	.10	114.63	4.16	23.1	846	.64	1.40	clear	NO	
1036	.38	1.93	.10	114.75	4.08	22.9	823	.58	1.11	↓	↓	
1040	.38	2.31	.10	114.77	4.04	23.0	819	.56	.87	↓	↓	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shawn Victory	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1041	SAMPLING ENDED AT: 1050
PUMP OR TUBING DEPTH IN WELL (feet): 118	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
			SEE COC					

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01

TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: Cyclone

PAGE: 1 of

FS 2200 Groundwater Sampling

SITE NAME: Citrus County Landfill	SITE LOCATION: Lecanto, FL
WELL NO: MW-6 DOP	SAMPLE ID:
DATE: 1-26-10	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 112 feet to 122 feet	STATIC DEPTH TO WATER (feet): 112.28	PURGE PUMP TYPE OR BAILER: ~~ESP~~ BP

Measuring Point Elevation (ft/msl) - **Water Level** = **Water Level Elevation**

MP Elevation =

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) 9.72 = (122.0 feet – 112.28 feet) X .16 gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 118	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 118	PURGING INITIATED AT: 1016	PURGING ENDED AT: 1040	TOTAL VOLUME PURGED (gallons): 2.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
1032	1.55	1.55	.10	114.63	4.16	23.1	846	.64	1.40	clear	NO	
1036	.38	1.93	.10	114.75	4.08	22.9	823	.58	1.11	↓	↓	
1040	.38	2.31	.10	114.77	4.04	23.0	819	.56	.87	↓	↓	

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shawn Victory	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1041	SAMPLING ENDED AT: 1050
PUMP OR TUBING DEPTH IN WELL (feet): 118	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
			SEE COC					

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature**: ± 0.2 °C **Specific Conductance**: ± 5% **Dissolved Oxygen**: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity**: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

TestAmerica Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

660-33509

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

02/19/2010

Client Information	Sampler: Shawn Victory	Lab PM: Beato, Judith	Carrier Tracking No(s):
Client Contact: Mr. David Rojas	Phone: 407-399-3348	E-Mail: judith.beato@testamericainc.com	
Company: Camp Dresser & McKee Inc			
Address: 1715 North Westshore Blvd. Suite 875	Due Date Requested:		
City: Tampa	TAT Requested (days):		
State, Zip: FL, 33607			
Phone:	PO #: Purchase Order Requested		
Email: rojasdr@cdm.com	WO #:		
Project Name: Intermediate Well MW-6 and Dup	Project #: 66002518		
Site:	SSOW#:		

COC No: 660-27098.1
Page: Page 1 of 1
Job #:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 - Ammonia (as N)	6020 - Appendix 1 Metals + Iron Mercury and Sod	9222D - Coliform, Fecal	8260B - 8260 Appendix I Compounds	300.0_28D, 353.2	2540C - Total Dissolved Solids	TTHM_Calc - 524 THM	8011 - EDB, DBCP, and 123TCP	6020 - Dissolved Appendix 1 Metals				Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	D	N	N	N	N	HA	N	D	A				
MW-6	1-26-10	1050	G	Water			X	X	X	X	X	X	X	X	X					RUN DISSOLVED METALS ONLY IF TURB > 15
MW-6 Dup	1-26-10	1050	G	Water			X	X	X	X	X	X	X	X	X					
Trip Blank			G	Water						X										

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 1-26-10 1140	Company	Received by:	Date/Time: 1-26-10 1153	Company TAT
Relinquished by:	Date/Time: 1/26/10 1425	Company TA Tampa	Received by:	Date/Time: 1-26-10 1425	Company TA-T
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 19°C cu-07

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

PRESERVATION CONFIRMATION FORM

Tampa, FL

JOB NUMBER: 1060-33509 Logged in TALS By : Amanda Harrison

Cooler Received on (date) 1/26/10 And Opened By (full name): Greg Newman

1. Shipper (circle one) FEDEX UPS DHL WALK-IN COURIER OTHER: _____

2. Tracking # _____

3. Temperature of rep. sample or temp blank when opened: 1.9 Degrees Celsius CU-07

4. Number of H2SO4 (sulfuric acid) preserved containers: 2

   All containers pH < 2 ? yes If not please comment below:

5. Number of HCL (hydrochloric acid) preserved containers: _____

   All containers pH < 2 ? _____ If not please comment below:

6. Number of HNO3 (nitric acid) preserved containers: 2

   All containers pH < 2 ? yes If not please comment below:

7. Number of NaOH (sodium hydroxide) preserved containers: _____

   All containers pH >12 ? _____ If not please comment below:

8. Number of Unpreserved containers: 4

   All containers pH between 6 and 8? yes If not please comment below:

9. Was chlorine present in any of the unpreserved containers? NO

   If yes, which samples? _____

Login Sample Receipt Check List

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Login Number: 33509
Creator: Volz, Charles
List Number: 1

List Source: TestAmerica Tampa

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9 degrees C CU-07
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	did not receive dissolved metal bottles indicated on COC
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	False	Trip Blank bottles are not labeled.
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: Camp Dresser & McKee Inc

Job Number: 660-33509-1

Login Number: 33509
Creator: Lanier, Herbert D
List Number: 1

List Source: TestAmerica Savannah
List Creation: 01/28/10 10:44 AM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	False	
Sample Preservation Verified	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

2/5/2010 3:04:28PM

Client: TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Attn: Judith A. Beato

Work Order: NTA1860
Project Name: Misc Analysis
Project Number: [none]
Date Received: 01/26/10

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-6	NTA1860-01	01/26/10 10:50
MW-6 DUP	NTA1860-02	01/26/10 10:50

Samples were received into laboratory at a temperature of 3.20 °C.

Comments:

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have recieved this material in error, please notify us immediately.

Results are reported on a wet weight basis unless otherwise noted

The reported results were obtained in compliance with 2003 NELAC standards unless otherwise noted.

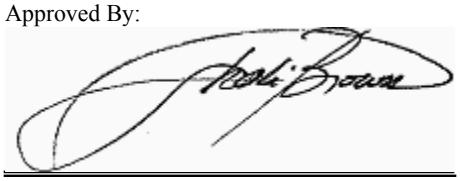
These results relate only to the items tested

Estimated uncertainty is available upon request.

Florida Certification Number: E87358

This report has been electronically signed.

Approved By:



TestAmerica Nashville
Shali Brown
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client:	TestAmerica Tampa 6712 Benjamin Road, Suite 100 Tampa, FL 33634	Work Order:	NTA1860	Sampled:	01/26/10
		Project:	Misc Analysis	Received:	01/26/10
		Project Number:	[none]		
Attn:	Judith A. Beato				

LABORATORY REPORT
Sample ID: MW-6 - Lab Number: NTA1860-01 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Microbiology											
E761792	Fecal Coliform	1	U	CFU/100 ml	1	1	1	01/27/10 13:20	MXN	SM 9222D	10A4022
								Prep Date: 01/26/10 14:22			

LABORATORY REPORT
Sample ID: MW-6 DUP - Lab Number: NTA1860-02 - Matrix: Water

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Microbiology											
E761792	Fecal Coliform	1	U	CFU/100 ml	1	1	1	01/27/10 13:20	MXN	SM 9222D	10A4022
								Prep Date: 01/26/10 14:22			

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client: TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Attn: Judith A. Beato

Work Order: NTA1860
Project: Misc Analysis
Project Number: [none]

Sampled: 01/26/10
Received: 01/26/10

SAMPLE EXTRACTION DATA

Parameter	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Method
Microbiology	NTA1860-01	100.0 mL	100.0 mL	01/26/2010	MXN	MF
Microbiology	NTA1860-02	100.0 mL	100.0 mL	01/26/2010	MXN	MF

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number
Microbiology					
Fecal Coliform	1		CFU/100 ml	10A4022	10A4022-BLK1

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
Microbiology								
Fecal Coliform	<1	1		CFU/100 ml		15	10A4022	NTA1860-01

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client:	TestAmerica Tampa 6712 Benjamin Road, Suite 100 Tampa, FL 33634	Work Order:	NTA1860	Sampled:	01/26/10
		Project:	Misc Analysis	Received:	01/26/10
		Project Number:	[none]		
Attn:	Judith A. Beato				

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	A2LA	AIHA	Nelac	Florida
SM 9222D	Water				

Subcontracted Laboratories

TestAmerica - Orlando, FL Florida Cert #E83012

8010 Sunport Drive Suite 116 - Orlando, FL 32809

Analysis Performed: Coliform Fecal SM9222D (MF)

Samples: NTA1860-01, NTA1860-02

DATA QUALIFIERS AND DEFINITIONS

U The compound was analyzed for but not detected

ADDITIONAL COMMENTS

When insufficient sample volume is received for Matrix Spike and Matrix Spike Duplicate, Laboratory Control Spike and Laboratory Control Spike Duplicate data is used for batch QC.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

4310 East Anderson Road * Orlando, FL 32812 * 407-851-2560 * Fax: 407-856-0886 * 800-851-

Client: TestAmerica Tampa

Project: NTA1860

Shipped By: Walk-in

Tracking Number:

Cooler Received On: 01/26/10 13:15

And Opened On (Date/time): 1-26-10 13:15

Received By: Jennifer Batura

Logged in by: Jennifer Batura

Were custody seals on the outside of cooler? **YES** ____ **NO** √ If Yes # ____ Location ____

Were custody seals intact? **YES** ____ **NO** ____ **N/A** √ (no seals present)

Chain of Custody Complete? **YES** √ **NO** ____

Discrepancy Comments:

Cooler Temparture When Opened: 3.20 Degrees Celsius

Temparture Blank Included: **YES** ____ **NO** √

Packing Material: Bubblewrap ____ NONE ✓ Other: ____

Received on Ice: **YES** √ **NO** ____ Other: ____ Total # Of Containers: 4 # Vials ____

Any Bottles Broken? **YES** ____ **NO** √ If Yes Which One(s)? ____

Any Missing Samples? **YES** ____ **NO** √ If Yes Which One(s)? ____

pH Levels: H2SO4 <=2? ____ HNO3 <=2? ____ HCL <=2? ____ NaOH >=10? ____

Of Containers Unpreserved between 6 and 8? 4

Any Air Bubbles in VOA Vials? **YES** ____ **NO** ____ **N/A** √ (no VOA vials received)

Was there enough sample shipped in each container? **YES** ✓ **NO** ~~JB~~ 1-26-10

Correct Preservatives Used? **YES** ✓ **NO** √ If No, see comments:
JB 1-26-10

Project Manager: Judith A Beato

Corrective Actions Taken

TestAmerica Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

NTA-1860

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

01/19/2010

Client Information			
Client Contact: Mr. David Rojas	Sampler: Shawn Victory	Lab PM: Beato, Judith	Carrier Tracking No(s):
Company: Camp Dresser & McKee Inc	Phone: 407-399-3348	E-Mail: judith.beato@testamericainc.com	COC No: 660-27098.1
Address: 1715 North Westshore Blvd. Suite 875	Due Date Requested:		Page: Page 1 of 1
City: Tampa	TAT Requested (days):		Job #:
State, Zip: FL, 33607			
Phone:	PO #: Purchase Order Requested		
Email: rojasdr@cdm.com	WO #:		
Project Name: Intermediate Well MW-6 and Dup	Project #: 66002518		
Site:	SSOW#:		

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 - Ammonia (as N)	6020 - Appendix 1 Metals + Iron Mercury and Sod	9222D - Coliform, Fecal	8260B - 8260 Appendix I Compounds	300.0_28D, 353.2	2540C - Total Dissolved Solids	TTHM_Calc - 524 THM	8011 - EDB, DBCP, and 123TCP	6020 - Dissolved Appendix 1 Metals					Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	D	N	N	N	N	HA	N	D	A					
MW-6	1-26-10	1050	G	Water			X	X	X	X	X	X	X	X	X					-01	RUN DISSOLVED METALS ONLY IF
MW-6 Dup	1-26-10	1050	G	Water			X	X	X	X	X	X	X	X	X					-D	TURB > 15
Trip Blank			G	Water						X											

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	1-26-10 1140		[signature]	1-26-10 @ 1140	
[signature]	1-26-10 @ 1315		[signature]	1-26-10 13:15	TA-Orl

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.2°C

ANALYTICAL REPORT

Job Number: 660-33511-1

Job Description: Citrus County Landfill - 2010

For:
Camp Dresser & McKee Inc
1715 North Westshore Blvd.
Suite 875
Tampa, FL 33607

Attention: Mr. David Rojas

Approved for release.
Judith Beato
Project Manager I
2/19/2010 12:17 PM

Judith Beato
Project Manager I
judith.beato@testamericainc.com
02/19/2010

Methods: FDEP, DOH Certification #: E84282, E81005 These test results meet all the requirements of NELAC unless specified in the case narrative. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request. The results contained in this test report relate only to these samples included herein.

Job Narrative
660-33511-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
Method(s) 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-33511-1	**MW-14**					
Color		Clear			Color Units	Field Sampling
Field pH		6.87			SU	Field Sampling
Field Temperature		21.5			Degrees C	Field Sampling
Oxygen, Dissolved		1.93			mg/L	Field Sampling
Specific Conductance		510			umhos/cm	Field Sampling
Turbidity		4.86			NTU	Field Sampling
Water Level		103.66			ft	Field Sampling
Chloride		3.7		0.50	mg/L	300.0
Total Dissolved Solids		320		5.0	mg/L	SM 2540C
Total Recoverable						
Barium		24		5.0	ug/L	6020
Lead		0.21	I	1.5	ug/L	6020
Cadmium		0.22	I	0.50	ug/L	6020
Cobalt		1.3		0.50	ug/L	6020
Iron		81	I	100	ug/L	6020
Sodium		3.2		0.50	mg/L	6020
660-33511-2	**MW-15**					
Benzene		0.55	I	1.0	ug/L	8260B
cis-1,2-Dichloroethene		4.0		1.0	ug/L	8260B
Trichloroethene		1.2		1.0	ug/L	8260B
Vinyl chloride		0.65	I	1.0	ug/L	8260B
Xylenes, Total		0.63	I	3.0	ug/L	8260B
Color		Clear			Color Units	Field Sampling
Field pH		4.58			SU	Field Sampling
Field Temperature		20.9			Degrees C	Field Sampling
Oxygen, Dissolved		5.00			mg/L	Field Sampling
Specific Conductance		44			umhos/cm	Field Sampling
Turbidity		2.68			NTU	Field Sampling
Water Level		118.59			ft	Field Sampling
Chloride		3.0		0.50	mg/L	300.0
Ammonia (as N)		0.018	I	0.020	mg/L	350.1
Total Dissolved Solids		44		5.0	mg/L	SM 2540C
Total Recoverable						
Arsenic		6.7		2.5	ug/L	6020
Barium		3.7	I	5.0	ug/L	6020
Selenium		7.1		2.5	ug/L	6020
Nickel		2.5	I	5.0	ug/L	6020
Cobalt		0.45	I	0.50	ug/L	6020
Iron		5400		100	ug/L	6020
Zinc		24		20	ug/L	6020
Sodium		2.2		0.50	mg/L	6020

EXECUTIVE SUMMARY - Detections

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-33511-3	**MW-17**					
1,4-Dichlorobenzene		1.6		1.0	ug/L	8260B
Color		Clear			Color Units	Field Sampling
Field pH		5.06			SU	Field Sampling
Field Temperature		22.8			Degrees C	Field Sampling
Oxygen, Dissolved		5.11			mg/L	Field Sampling
Specific Conductance		61			umhos/cm	Field Sampling
Turbidity		8.48			NTU	Field Sampling
Water Level		105.93			ft	Field Sampling
Chloride		3.4		0.50	mg/L	300.0
Ammonia (as N)		0.017	I	0.020	mg/L	350.1
Total Dissolved Solids		46		5.0	mg/L	SM 2540C
Dissolved						
Arsenic		3.0		2.5	ug/L	6020
Barium		2.8	I	5.0	ug/L	6020
Cobalt		7.8		0.50	ug/L	6020
Nickel		2.5	I	5.0	ug/L	6020
Zinc		9.6	I	20	ug/L	6020
Sodium		3.1		0.50	mg/L	6020
Iron		6100		100	ug/L	6020
Total Recoverable						
Arsenic		3.3		2.5	ug/L	6020
Barium		5.0	I	5.0	ug/L	6020
Lead		0.23	I	1.5	ug/L	6020
Nickel		2.6	I	5.0	ug/L	6020
Cobalt		8.4		0.50	ug/L	6020
Iron		7200		100	ug/L	6020
Zinc		9.5	I	20	ug/L	6020
Sodium		3.7		0.50	mg/L	6020

EXECUTIVE SUMMARY - Detections

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-33511-4	**MW-3**					
Color		Clear			Color Units	Field Sampling
Field pH		4.86			SU	Field Sampling
Field Temperature		20.7			Degrees C	Field Sampling
Oxygen, Dissolved		3.79			mg/L	Field Sampling
Specific Conductance		37			umhos/cm	Field Sampling
Turbidity		1.14			NTU	Field Sampling
Water Level		114.22			ft	Field Sampling
Chloride		6.7		0.50	mg/L	300.0
Nitrate as N		1.4		0.50	mg/L	353.2
Total Dissolved Solids		50		5.0	mg/L	SM 2540C
Total Recoverable						
Barium		16		5.0	ug/L	6020
Lead		45		1.5	ug/L	6020
Cadmium		0.20	I	0.50	ug/L	6020
Nickel		3.3	I	5.0	ug/L	6020
Cobalt		0.57		0.50	ug/L	6020
Copper		36		5.0	ug/L	6020
Iron		150		100	ug/L	6020
Zinc		50		20	ug/L	6020
Sodium		6.0		0.50	mg/L	6020
660-33511-5	**MW-1R**					
Color		Clear			Color Units	Field Sampling
Field pH		5.33			SU	Field Sampling
Field Temperature		22.8			Degrees C	Field Sampling
Oxygen, Dissolved		4.12			mg/L	Field Sampling
Specific Conductance		93			umhos/cm	Field Sampling
Turbidity		0.51			NTU	Field Sampling
Water Level		113.2			ft	Field Sampling
Chloride		3.8		0.50	mg/L	300.0
Nitrate as N		3.8		0.50	mg/L	353.2
Total Dissolved Solids		84		5.0	mg/L	SM 2540C
Total Recoverable						
Barium		6.0		5.0	ug/L	6020
Lead		0.42	I	1.5	ug/L	6020
Cadmium		0.23	I	0.50	ug/L	6020
Nickel		5.3		5.0	ug/L	6020
Cobalt		0.57		0.50	ug/L	6020
Zinc		12	I	20	ug/L	6020
Sodium		7.7		0.50	mg/L	6020

METHOD SUMMARY

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL TAM	SW846 8260B	
Purge and Trap	TAL TAM		SW846 5030B
EDB, DBCP, and 1,2,3-TCP (GC)	TAL TAM	SW846 8011	
Microextraction	TAL TAM		SW846 8011
Metals (ICP/MS)	TAL SAV	SW846 6020	
Sample Filtration, Field	TAL SAV		FIELD_FLTRD
Preparation, Total Recoverable or Dissolved Metals	TAL SAV		SW846 3005A
Mercury (CVAA)	TAL SAV	SW846 7470A	
Sample Filtration, Field	TAL SAV		FIELD_FLTRD
Preparation, Mercury	TAL SAV		SW846 7470A
Anions, Ion Chromatography	TAL TAM	MCAWW 300.0	
Nitrogen, Ammonia	TAL TAM	MCAWW 350.1	
Nitrogen, Nitrate-Nitrite	TAL TAM	MCAWW 353.2	
Solids, Total Dissolved (TDS)	TAL TAM	SM SM 2540C	
Field Sampling	TAL TAM	EPA Field Sampling	

Lab References:

TAL SAV = TestAmerica Savannah

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Method	Analyst	Analyst ID
SW846 8260B	Perrin, Todd	TP
SW846 8011	Ballard, James	JB
SW846 6020	Boyuk, Brian	BB
SW846 6020	Robertson, Bryn	BR
SW846 7470A	Eaton, Cliff	CE
EPA Field Sampling	Hornsby, Terry	TFH
MCAWW 300.0	Cerome, Saurel	SC
MCAWW 350.1	Steward, Tiffany	TS
MCAWW 353.2	Steward, Tiffany	TS
SM SM 2540C	Oonnoonny, Thomas	TO

SAMPLE SUMMARY

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-33511-1	MW-14	Water	01/26/2010 0820	01/26/2010 1725
660-33511-2	MW-15	Water	01/26/2010 0955	01/26/2010 1725
660-33511-3	MW-17	Water	01/26/2010 1125	01/26/2010 1725
660-33511-4	MW-3	Water	01/26/2010 1518	01/26/2010 1725
660-33511-5	MW-1R	Water	01/26/2010 1310	01/26/2010 1725

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-14**

Lab Sample ID: 660-33511-1
Client Matrix: Water

Date Sampled: 01/26/2010 0820
Date Received: 01/26/2010 1725

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 01/28/2010 1624
Date Prepared: 01/28/2010 1624

Analysis Batch: 660-90020

Instrument ID: BVMH5973
Lab File ID: 1HA2817.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Bromomethane	2.5	U	2.5	5.0
Chloromethane	1.0	U	1.0	4.0
Dibromomethane	0.41	U	0.41	1.0
Methylene Chloride	4.0	U	4.0	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Iodomethane	2.5	U	2.5	5.0
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Styrene	0.98	U	0.98	2.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-14**

Lab Sample ID: 660-33511-1

Client Matrix: Water

Date Sampled: 01/26/2010 0820

Date Received: 01/26/2010 1725

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90020	Instrument ID:	BVMH5973
Preparation:	5030B		Lab File ID:	1HA2817.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	01/28/2010 1624		Final Weight/Volume:	5 mL
Date Prepared:	01/28/2010 1624			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	94		70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-15**

Lab Sample ID: 660-33511-2
Client Matrix: Water

Date Sampled: 01/26/2010 0955
Date Received: 01/26/2010 1725

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 01/28/2010 1752
Date Prepared: 01/28/2010 1752

Analysis Batch: 660-90020

Instrument ID: BVMH5973
Lab File ID: 1HA2821.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.55	I	0.50	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	4.0		0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Bromomethane	2.5	U	2.5	5.0
Chloromethane	1.0	U	1.0	4.0
Dibromomethane	0.41	U	0.41	1.0
Methylene Chloride	4.0	U	4.0	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Iodomethane	2.5	U	2.5	5.0
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Styrene	0.98	U	0.98	2.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	1.2		0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.65	I	0.50	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-15**

Lab Sample ID: 660-33511-2
Client Matrix: Water

Date Sampled: 01/26/2010 0955
Date Received: 01/26/2010 1725

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90020	Instrument ID:	BVMH5973
Preparation:	5030B		Lab File ID:	1HA2821.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	01/28/2010 1752		Final Weight/Volume:	5 mL
Date Prepared:	01/28/2010 1752			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Xylenes, Total	0.63	I	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	95		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8 (Surr)	104		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-17**

Lab Sample ID: 660-33511-3
Client Matrix: Water

Date Sampled: 01/26/2010 1125
Date Received: 01/26/2010 1725

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 01/28/2010 1815
Date Prepared: 01/28/2010 1815

Analysis Batch: 660-90020

Instrument ID: BVMH5973
Lab File ID: 1HA2822.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,4-Dichlorobenzene	1.6		0.52	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Bromomethane	2.5	U	2.5	5.0
Chloromethane	1.0	U	1.0	4.0
Dibromomethane	0.41	U	0.41	1.0
Methylene Chloride	4.0	U	4.0	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Iodomethane	2.5	U	2.5	5.0
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Styrene	0.98	U	0.98	2.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-17**

Lab Sample ID: 660-33511-3

Client Matrix: Water

Date Sampled: 01/26/2010 1125

Date Received: 01/26/2010 1725

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90020	Instrument ID:	BVMH5973
Preparation:	5030B		Lab File ID:	1HA2822.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	01/28/2010 1815		Final Weight/Volume:	5 mL
Date Prepared:	01/28/2010 1815			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	92		70 - 130
Dibromofluoromethane	95		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-3**

Lab Sample ID: 660-33511-4

Client Matrix: Water

Date Sampled: 01/26/2010 1518

Date Received: 01/26/2010 1725

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Preparation: 5030B

Dilution: 1.0

Date Analyzed: 01/28/2010 1837

Date Prepared: 01/28/2010 1837

Analysis Batch: 660-90020

Instrument ID: BVMH5973

Lab File ID: 1HA2823.D

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Bromomethane	2.5	U	2.5	5.0
Chloromethane	1.0	U	1.0	4.0
Dibromomethane	0.41	U	0.41	1.0
Methylene Chloride	4.0	U	4.0	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Iodomethane	2.5	U	2.5	5.0
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Styrene	0.98	U	0.98	2.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-3**

Lab Sample ID: 660-33511-4

Client Matrix: Water

Date Sampled: 01/26/2010 1518

Date Received: 01/26/2010 1725

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90020	Instrument ID:	BVMH5973
Preparation:	5030B		Lab File ID:	1HA2823.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	01/28/2010 1837		Final Weight/Volume:	5 mL
Date Prepared:	01/28/2010 1837			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	93		70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8 (Surr)	95		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-1R**

Lab Sample ID: 660-33511-5
Client Matrix: Water

Date Sampled: 01/26/2010 1310
Date Received: 01/26/2010 1725

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 01/28/2010 1859
Date Prepared: 01/28/2010 1859

Analysis Batch: 660-90020

Instrument ID: BVMH5973
Lab File ID: 1HA2824.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Bromomethane	2.5	U	2.5	5.0
Chloromethane	1.0	U	1.0	4.0
Dibromomethane	0.41	U	0.41	1.0
Methylene Chloride	4.0	U	4.0	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Iodomethane	2.5	U	2.5	5.0
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Styrene	0.98	U	0.98	2.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-1R**

Lab Sample ID: 660-33511-5
Client Matrix: Water

Date Sampled: 01/26/2010 1310
Date Received: 01/26/2010 1725

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90020	Instrument ID:	BVMH5973
Preparation:	5030B		Lab File ID:	1HA2824.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	01/28/2010 1859		Final Weight/Volume:	5 mL
Date Prepared:	01/28/2010 1859			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	92		70 - 130
Dibromofluoromethane	93		70 - 130
Toluene-d8 (Surr)	90		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-14**

Lab Sample ID: 660-33511-1
Client Matrix: Water

Date Sampled: 01/26/2010 0820
Date Received: 01/26/2010 1725

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 660-90072		Instrument ID:	BSGU
Preparation:	8011	Prep Batch: 660-90069		Initial Weight/Volume:	33.8614 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	01/28/2010 2125			Injection Volume:	4 uL
Date Prepared:	01/28/2010 1430			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.021
Ethylene Dibromide	0.010	U	0.010	0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	109		60 - 140

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-15**

Lab Sample ID: 660-33511-2
Client Matrix: Water

Date Sampled: 01/26/2010 0955
Date Received: 01/26/2010 1725

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 660-90072		Instrument ID:	BSGU
Preparation:	8011	Prep Batch: 660-90069		Initial Weight/Volume:	36.5126 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	01/28/2010 2145			Injection Volume:	4 uL
Date Prepared:	01/28/2010 1430			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0096	U	0.0096	0.019
Ethylene Dibromide	0.0096	U	0.0096	0.019

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	95		60 - 140

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-17**

Lab Sample ID: 660-33511-3

Client Matrix: Water

Date Sampled: 01/26/2010 1125

Date Received: 01/26/2010 1725

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 660-90072		Instrument ID:	BSGU
Preparation:	8011	Prep Batch: 660-90069		Initial Weight/Volume:	34.6346 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	01/28/2010 2245			Injection Volume:	4 uL
Date Prepared:	01/28/2010 1430			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.020
Ethylene Dibromide	0.010	U	0.010	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	109		60 - 140

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-3**

Lab Sample ID: 660-33511-4

Client Matrix: Water

Date Sampled: 01/26/2010 1518

Date Received: 01/26/2010 1725

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 660-90072		Instrument ID:	BSGU
Preparation:	8011	Prep Batch: 660-90069		Initial Weight/Volume:	34.3313 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	01/28/2010 2306			Injection Volume:	4 uL
Date Prepared:	01/28/2010 1430			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.020
Ethylene Dibromide	0.010	U	0.010	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	107		60 - 140

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-1R**

Lab Sample ID: 660-33511-5

Client Matrix: Water

Date Sampled: 01/26/2010 1310

Date Received: 01/26/2010 1725

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 660-90072		Instrument ID:	BSGU
Preparation:	8011	Prep Batch: 660-90069		Initial Weight/Volume:	35.5898 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	01/28/2010 2346			Injection Volume:	4 uL
Date Prepared:	01/28/2010 1430			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.0098	U	0.0098	0.020
Ethylene Dibromide	0.0098	U	0.0098	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	110		60 - 140

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-14**

Lab Sample ID: 660-33511-1
Client Matrix: Water

Date Sampled: 01/26/2010 0820
Date Received: 01/26/2010 1725

6020 Metals (ICP/MS)-Total Recoverable

Method:	6020	Analysis Batch: 680-159526		Instrument ID:	ICPMSA
Preparation:	3005A	Prep Batch: 680-159398		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	01/28/2010 1751			Final Weight/Volume:	250 mL
Date Prepared:	01/28/2010 1115				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.2		0.25	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	1.3	U	1.3	2.5
Barium	24		1.3	5.0
Beryllium	0.25	U	0.25	0.50
Lead	0.21	I	0.20	1.5
Selenium	1.0	U	1.0	2.5
Cadmium	0.22	I	0.095	0.50
Silver	0.25	U	0.25	1.0
Chromium	2.5	U	2.5	5.0
Nickel	2.0	U	2.0	5.0
Cobalt	1.3		0.15	0.50
Copper	1.1	U	1.1	5.0
Iron	81	I	33	100
Vanadium	3.8	U	3.8	10
Zinc	8.3	U	8.3	20
Thallium	0.50	U	0.50	1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 680-160942		Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-160674		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	02/16/2010 1804			Final Weight/Volume:	50 mL
Date Prepared:	02/12/2010 1308				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.091	U	0.091	0.20

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-15**

Lab Sample ID: 660-33511-2
Client Matrix: Water

Date Sampled: 01/26/2010 0955
Date Received: 01/26/2010 1725

6020 Metals (ICP/MS)-Total Recoverable

Method:	6020	Analysis Batch: 680-159526		Instrument ID:	ICPMSA
Preparation:	3005A	Prep Batch: 680-159398		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	01/28/2010 1758			Final Weight/Volume:	250 mL
Date Prepared:	01/28/2010 1115				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	2.2		0.25	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	6.7		1.3	2.5
Barium	3.7	I	1.3	5.0
Beryllium	0.25	U	0.25	0.50
Lead	0.20	U	0.20	1.5
Selenium	7.1		1.0	2.5
Cadmium	0.095	U	0.095	0.50
Silver	0.25	U	0.25	1.0
Chromium	2.5	U	2.5	5.0
Nickel	2.5	I	2.0	5.0
Cobalt	0.45	I	0.15	0.50
Copper	1.1	U	1.1	5.0
Iron	5400		33	100
Vanadium	3.8	U	3.8	10
Zinc	24		8.3	20
Thallium	0.50	U	0.50	1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 680-160942		Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-160674		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	02/16/2010 1808			Final Weight/Volume:	50 mL
Date Prepared:	02/12/2010 1308				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.091	U	0.091	0.20

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-17**

Lab Sample ID: 660-33511-3
Client Matrix: Water

Date Sampled: 01/26/2010 1125
Date Received: 01/26/2010 1725

6020 Metals (ICP/MS)-Total Recoverable

Method:	6020	Analysis Batch: 680-159526		Instrument ID:	ICPMSA
Preparation:	3005A	Prep Batch: 680-159398		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	01/28/2010 1805			Final Weight/Volume:	250 mL
Date Prepared:	01/28/2010 1115				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.7		0.25	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	3.3		1.3	2.5
Barium	5.0	I	1.3	5.0
Beryllium	0.25	U	0.25	0.50
Lead	0.23	I	0.20	1.5
Selenium	1.0	U	1.0	2.5
Cadmium	0.095	U	0.095	0.50
Silver	0.25	U	0.25	1.0
Chromium	2.5	U	2.5	5.0
Nickel	2.6	I	2.0	5.0
Cobalt	8.4		0.15	0.50
Copper	1.1	U	1.1	5.0
Iron	7200		33	100
Vanadium	3.8	U	3.8	10
Zinc	9.5	I	8.3	20
Thallium	0.50	U	0.50	1.0

6020 Metals (ICP/MS)-Dissolved

Method:	6020	Analysis Batch: 680-159933		Instrument ID:	ICPMSA
Preparation:	3005A	Prep Batch: 680-159629		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	02/03/2010 2205			Final Weight/Volume:	250 mL
Date Prepared:	02/01/2010 1121				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.1		0.25	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	3.0		1.3	2.5
Barium	2.8	I	1.3	5.0
Beryllium	0.25	U	0.25	0.50
Cadmium	0.095	U	0.095	0.50
Chromium	2.5	U	2.5	5.0
Cobalt	7.8		0.15	0.50
Copper	1.1	U	1.1	5.0
Lead	0.20	U	0.20	1.5
Nickel	2.5	I	2.0	5.0
Selenium	1.0	U	1.0	2.5
Silver	0.25	U	0.25	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-17**

Lab Sample ID: 660-33511-3
Client Matrix: Water

Date Sampled: 01/26/2010 1125
Date Received: 01/26/2010 1725

6020 Metals (ICP/MS)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Vanadium	3.8	U	3.8	10
Zinc	9.6	I	8.3	20
Thallium	0.50	U	0.50	1.0
Iron	6100		33	100

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 680-160942	Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-160674	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	02/16/2010 1811		Final Weight/Volume:	50 mL
Date Prepared:	02/12/2010 1308			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.091	U	0.091	0.20

7470A Mercury (CVAA)-Dissolved

Method:	7470A	Analysis Batch: 680-160942	Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-160432	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	02/16/2010 1742		Final Weight/Volume:	50 mL
Date Prepared:	02/10/2010 1401			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.091	U	0.091	0.20

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-3**

Lab Sample ID: 660-33511-4
Client Matrix: Water

Date Sampled: 01/26/2010 1518
Date Received: 01/26/2010 1725

6020 Metals (ICP/MS)-Total Recoverable

Method:	6020	Analysis Batch: 680-159526		Instrument ID:	ICPMSA
Preparation:	3005A	Prep Batch: 680-159398		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	01/28/2010 1812			Final Weight/Volume:	250 mL
Date Prepared:	01/28/2010 1115				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	6.0		0.25	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	1.3	U	1.3	2.5
Barium	16		1.3	5.0
Beryllium	0.25	U	0.25	0.50
Lead	45		0.20	1.5
Selenium	1.0	U	1.0	2.5
Cadmium	0.20	I	0.095	0.50
Silver	0.25	U	0.25	1.0
Chromium	2.5	U	2.5	5.0
Nickel	3.3	I	2.0	5.0
Cobalt	0.57		0.15	0.50
Copper	36		1.1	5.0
Iron	150		33	100
Vanadium	3.8	U	3.8	10
Zinc	50		8.3	20
Thallium	0.50	U	0.50	1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 680-160942		Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-160674		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	02/16/2010 1814			Final Weight/Volume:	50 mL
Date Prepared:	02/12/2010 1308				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.091	U	0.091	0.20

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Client Sample ID: **MW-1R**

Lab Sample ID: 660-33511-5
Client Matrix: Water

Date Sampled: 01/26/2010 1310
Date Received: 01/26/2010 1725

6020 Metals (ICP/MS)-Total Recoverable

Method:	6020	Analysis Batch: 680-159526		Instrument ID:	ICPMSA
Preparation:	3005A	Prep Batch: 680-159398		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	01/28/2010 1818			Final Weight/Volume:	250 mL
Date Prepared:	01/28/2010 1115				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	7.7		0.25	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	1.3	U	1.3	2.5
Barium	6.0		1.3	5.0
Beryllium	0.25	U	0.25	0.50
Lead	0.42	I	0.20	1.5
Selenium	1.0	U	1.0	2.5
Cadmium	0.23	I	0.095	0.50
Silver	0.25	U	0.25	1.0
Chromium	2.5	U	2.5	5.0
Nickel	5.3		2.0	5.0
Cobalt	0.57		0.15	0.50
Copper	1.1	U	1.1	5.0
Iron	33	U	33	100
Vanadium	3.8	U	3.8	10
Zinc	12	I	8.3	20
Thallium	0.50	U	0.50	1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 680-160942		Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-160674		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	02/16/2010 1817			Final Weight/Volume:	50 mL
Date Prepared:	02/12/2010 1308				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.091	U	0.091	0.20

General Chemistry

Client Sample ID: MW-14

Lab Sample ID: 660-33511-1 Date Sampled: 01/26/2010 0820
Client Matrix: Water Date Received: 01/26/2010 1725

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Chloride	3.7		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-89993	Date Analyzed: 01/27/2010 1557						
Ammonia (as N)	0.010	U	mg/L	0.010	0.020	1.0	350.1
Analysis Batch: 660-90114	Date Analyzed: 02/01/2010 1213						
Nitrate as N	0.10	U	mg/L	0.10	0.50	1.0	353.2
Analysis Batch: 660-89964	Date Analyzed: 01/27/2010 1442						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Total Dissolved Solids	320		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-89979	Date Analyzed: 01/28/2010 0738						

General Chemistry

Client Sample ID: **MW-15**

Lab Sample ID: 660-33511-2

Client Matrix: Water

Date Sampled: 01/26/2010 0955

Date Received: 01/26/2010 1725

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Chloride	3.0		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-89993	Date Analyzed: 01/27/2010 1615						
Ammonia (as N)	0.018	I	mg/L	0.010	0.020	1.0	350.1
Analysis Batch: 660-90114	Date Analyzed: 02/01/2010 1214						
Nitrate as N	0.10	U	mg/L	0.10	0.50	1.0	353.2
Analysis Batch: 660-89964	Date Analyzed: 01/27/2010 1442						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Total Dissolved Solids	44		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-89979	Date Analyzed: 01/28/2010 0739						

General Chemistry

Client Sample ID: MW-17

Lab Sample ID: 660-33511-3 Date Sampled: 01/26/2010 1125
Client Matrix: Water Date Received: 01/26/2010 1725

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Chloride	3.4		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-89993	Date Analyzed: 01/27/2010 1632						
Ammonia (as N)	0.017	I	mg/L	0.010	0.020	1.0	350.1
Analysis Batch: 660-90114	Date Analyzed: 02/01/2010 1215						
Nitrate as N	0.10	U	mg/L	0.10	0.50	1.0	353.2
Analysis Batch: 660-89964	Date Analyzed: 01/27/2010 1442						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Total Dissolved Solids	46		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-89979	Date Analyzed: 01/28/2010 0739						

General Chemistry

Client Sample ID: MW-3

Lab Sample ID: 660-33511-4 Date Sampled: 01/26/2010 1518
Client Matrix: Water Date Received: 01/26/2010 1725

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Chloride	6.7		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-89993	Date Analyzed: 01/27/2010 1652						
Ammonia (as N)	0.010	U	mg/L	0.010	0.020	1.0	350.1
Analysis Batch: 660-90114	Date Analyzed: 02/01/2010 1216						
Nitrate as N	1.4		mg/L	0.10	0.50	1.0	353.2
Analysis Batch: 660-89964	Date Analyzed: 01/27/2010 1442						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Total Dissolved Solids	50		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-89979	Date Analyzed: 01/28/2010 0740						

General Chemistry

Client Sample ID: MW-1R

Lab Sample ID: 660-33511-5 Date Sampled: 01/26/2010 1310
Client Matrix: Water Date Received: 01/26/2010 1725

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Chloride	3.8		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-89993	Date Analyzed: 01/27/2010 1710						
Ammonia (as N)	0.010	U	mg/L	0.010	0.020	1.0	350.1
Analysis Batch: 660-90114	Date Analyzed: 02/01/2010 1218						
Nitrate as N	3.8		mg/L	0.10	0.50	1.0	353.2
Analysis Batch: 660-89964	Date Analyzed: 01/27/2010 1442						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Total Dissolved Solids	84		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-89979	Date Analyzed: 01/28/2010 0740						

Field Service / Mobile Lab

Client Sample ID: **MW-14**

Lab Sample ID: 660-33511-1
Client Matrix: Water

Date Sampled: 01/26/2010 0820
Date Received: 01/26/2010 1725

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Color	Clear		Color Units	1.0	Field Sampling	660-90542	01/26/2010 0810
Field pH	6.87		SU	1.0	Field Sampling	660-90542	01/26/2010 0810
Field Temperature	21.5		Degrees C	1.0	Field Sampling	660-90542	01/26/2010 0810
Oxygen, Dissolved	1.93		mg/L	1.0	Field Sampling	660-90542	01/26/2010 0810
Specific Conductance	510		umhos/cm	1.0	Field Sampling	660-90542	01/26/2010 0810
Turbidity	4.86		NTU	1.0	Field Sampling	660-90542	01/26/2010 0810
Water Level	103.66		ft	1.0	Field Sampling	660-90542	01/26/2010 0810

Field Service / Mobile Lab

Client Sample ID: **MW-15**

Lab Sample ID: 660-33511-2
Client Matrix: Water

Date Sampled: 01/26/2010 0955
Date Received: 01/26/2010 1725

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Color	Clear		Color Units	1.0	Field Sampling	660-90542	01/26/2010 0944
Field pH	4.58		SU	1.0	Field Sampling	660-90542	01/26/2010 0944
Field Temperature	20.9		Degrees C	1.0	Field Sampling	660-90542	01/26/2010 0944
Oxygen, Dissolved	5.00		mg/L	1.0	Field Sampling	660-90542	01/26/2010 0944
Specific Conductance	44		umhos/cm	1.0	Field Sampling	660-90542	01/26/2010 0944
Turbidity	2.68		NTU	1.0	Field Sampling	660-90542	01/26/2010 0944
Water Level	118.59		ft	1.0	Field Sampling	660-90542	01/26/2010 0944

Field Service / Mobile Lab

Client Sample ID: **MW-17**

Lab Sample ID: 660-33511-3
Client Matrix: Water

Date Sampled: 01/26/2010 1125
Date Received: 01/26/2010 1725

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Color	Clear		Color Units	1.0	Field Sampling	660-90542	01/26/2010 1110
Field pH	5.06		SU	1.0	Field Sampling	660-90542	01/26/2010 1110
Field Temperature	22.8		Degrees C	1.0	Field Sampling	660-90542	01/26/2010 1110
Oxygen, Dissolved	5.11		mg/L	1.0	Field Sampling	660-90542	01/26/2010 1110
Specific Conductance	61		umhos/cm	1.0	Field Sampling	660-90542	01/26/2010 1110
Turbidity	8.48		NTU	1.0	Field Sampling	660-90542	01/26/2010 1110
Water Level	105.93		ft	1.0	Field Sampling	660-90542	01/26/2010 1110

Field Service / Mobile Lab

Client Sample ID: **MW-3**

Lab Sample ID: 660-33511-4
Client Matrix: Water

Date Sampled: 01/26/2010 1518
Date Received: 01/26/2010 1725

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Color	Clear		Color Units	1.0	Field Sampling	660-90542	01/26/2010 1510
Field pH	4.86		SU	1.0	Field Sampling	660-90542	01/26/2010 1510
Field Temperature	20.7		Degrees C	1.0	Field Sampling	660-90542	01/26/2010 1510
Oxygen, Dissolved	3.79		mg/L	1.0	Field Sampling	660-90542	01/26/2010 1510
Specific Conductance	37		umhos/cm	1.0	Field Sampling	660-90542	01/26/2010 1510
Turbidity	1.14		NTU	1.0	Field Sampling	660-90542	01/26/2010 1510
Water Level	114.22		ft	1.0	Field Sampling	660-90542	01/26/2010 1510

Field Service / Mobile Lab

Client Sample ID: **MW-1R**

Lab Sample ID: 660-33511-5
Client Matrix: Water

Date Sampled: 01/26/2010 1310
Date Received: 01/26/2010 1725

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Color	Clear		Color Units	1.0	Field Sampling	660-90542	01/26/2010 1259
Field pH	5.33		SU	1.0	Field Sampling	660-90542	01/26/2010 1259
Field Temperature	22.8		Degrees C	1.0	Field Sampling	660-90542	01/26/2010 1259
Oxygen, Dissolved	4.12		mg/L	1.0	Field Sampling	660-90542	01/26/2010 1259
Specific Conductance	93		umhos/cm	1.0	Field Sampling	660-90542	01/26/2010 1259
Turbidity	0.51		NTU	1.0	Field Sampling	660-90542	01/26/2010 1259
Water Level	113.2		ft	1.0	Field Sampling	660-90542	01/26/2010 1259

DATA REPORTING QUALIFIERS

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
GC Semi VOA		
	U	Indicates that the compound was analyzed for but not detected.
Metals		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Method Blank - Batch: 660-90020

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-90020/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1324
Date Prepared: 01/28/2010 1324

Analysis Batch: 660-90020
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH5973
Lab File ID: 1HA2810.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Bromomethane	2.5	U	2.5	5.0
Chloromethane	1.0	U	1.0	4.0
Dibromomethane	0.41	U	0.41	1.0
Methylene Chloride	4.0	U	4.0	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Iodomethane	2.5	U	2.5	5.0
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Styrene	0.98	U	0.98	2.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Method Blank - Batch: 660-90020

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-90020/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1324
Date Prepared: 01/28/2010 1324

Analysis Batch: 660-90020
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH5973
Lab File ID: 1HA2810.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	94	70 - 130
Dibromofluoromethane	96	70 - 130
Toluene-d8 (Surr)	102	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Lab Control Sample - Batch: 660-90020

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 660-90020/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1111
Date Prepared: 01/28/2010 1111

Analysis Batch: 660-90020
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH5973
Lab File ID: 1HA2804.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	100	102	102	62 - 142	
Acrylonitrile	200	197	99	10 - 183	
Benzene	20.0	22.4	112	64 - 140	
Chlorobromomethane	20.0	21.7	109	59 - 130	
Dichlorobromomethane	20.0	20.1	101	70 - 130	
Bromoform	20.0	18.8	94	65 - 130	
Carbon disulfide	10.0	9.83	98	30 - 184	
Carbon tetrachloride	20.0	19.0	95	53 - 145	
Chlorobenzene	20.0	22.6	113	70 - 130	
Chloroethane	20.0	13.3	66	39 - 174	
Chloroform	20.0	20.0	100	59 - 130	
Chlorodibromomethane	20.0	19.6	98	70 - 130	
1,2-Dibromo-3-Chloropropane	20.0	20.0	100	52 - 130	
Ethylene Dibromide	20.0	23.2	116	65 - 130	
1,2-Dichlorobenzene	20.0	24.7	124	70 - 130	
1,4-Dichlorobenzene	20.0	22.9	114	70 - 130	
trans-1,4-Dichloro-2-butene	20.0	22.4	112	70 - 130	
1,1-Dichloroethane	20.0	20.0	100	60 - 132	
1,2-Dichloroethane	20.0	18.8	94	70 - 130	
1,1-Dichloroethene	20.0	18.0	90	51 - 157	
cis-1,2-Dichloroethene	20.0	22.0	110	61 - 130	
trans-1,2-Dichloroethene	20.0	20.3	101	55 - 145	
1,2-Dichloropropane	20.0	21.6	108	70 - 130	
cis-1,3-Dichloropropene	20.0	20.8	104	70 - 130	
trans-1,3-Dichloropropene	20.0	23.0	115	62 - 130	
Ethylbenzene	20.0	24.1	121	69 - 131	
2-Hexanone	100	119	119	57 - 148	
Bromomethane	20.0	12.8	64	14 - 184	
Chloromethane	20.0	18.4	92	35 - 153	
Dibromomethane	20.0	21.0	105	70 - 130	
Methylene Chloride	20.0	21.1	106	57 - 130	
2-Butanone (MEK)	100	108	108	63 - 140	
Iodomethane	20.0	17.7	89	70 - 130	
4-Methyl-2-pentanone (MIBK)	100	111	111	64 - 137	
Styrene	20.0	24.9	125	62 - 136	
1,1,1,2-Tetrachloroethane	20.0	22.2	111	70 - 130	
1,1,2,2-Tetrachloroethane	20.0	24.4	122	67 - 130	
Tetrachloroethene	20.0	23.0	115	47 - 143	
Toluene	20.0	22.4	112	70 - 131	
1,1,1-Trichloroethane	20.0	18.6	93	57 - 135	
1,1,2-Trichloroethane	20.0	23.2	116	69 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Lab Control Sample - Batch: 660-90020

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 660-90020/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1111
Date Prepared: 01/28/2010 1111

Analysis Batch: 660-90020
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH5973
Lab File ID: 1HA2804.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Trichloroethene	20.0	22.4	112	59 - 142	
Trichlorofluoromethane	20.0	20.3	102	62 - 147	
1,2,3-Trichloropropane	20.0	24.0	120	62 - 130	
Vinyl acetate	37.1	27.3	74	10 - 166	
Vinyl chloride	20.0	19.3	96	48 - 147	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Matrix Spike - Batch: 660-90020

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33511-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1646
Date Prepared: 01/28/2010 1646

Analysis Batch: 660-90020
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH5973
Lab File ID: 1HA2818.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Acetone	9.9	U	100	92.7	93	62 - 142	
Acrylonitrile	1.2	U	200	177	89	10 - 183	
Benzene	0.50	U	20.0	22.2	111	64 - 140	
Chlorobromomethane	0.58	U	20.0	21.3	107	59 - 130	
Dichlorobromomethane	0.35	U	20.0	17.3	87	70 - 130	
Bromoform	0.58	U	20.0	16.3	82	65 - 130	
Carbon disulfide	0.85	U	10.0	9.51	95	30 - 184	
Carbon tetrachloride	0.42	U	20.0	18.1	90	53 - 145	
Chlorobenzene	0.63	U	20.0	21.2	106	70 - 130	
Chloroethane	2.5	U	20.0	12.4	62	39 - 174	
Chloroform	0.90	U	20.0	19.5	98	59 - 130	
Chlorodibromomethane	0.34	U	20.0	17.1	86	70 - 130	
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	16.6	83	52 - 130	
Ethylene Dibromide	0.50	U	20.0	20.5	103	65 - 130	
1,2-Dichlorobenzene	0.44	U	20.0	22.3	111	70 - 130	
1,4-Dichlorobenzene	0.52	U	20.0	20.9	104	70 - 130	
trans-1,4-Dichloro-2-butene	2.5	U	20.0	18.2	91	70 - 130	
1,1-Dichloroethane	0.52	U	20.0	19.9	99	60 - 132	
1,2-Dichloroethane	0.57	U	20.0	17.7	88	70 - 130	
1,1-Dichloroethene	0.45	U	20.0	18.7	94	51 - 157	
cis-1,2-Dichloroethene	0.65	U	20.0	21.3	107	61 - 130	
trans-1,2-Dichloroethene	0.44	U	20.0	20.4	102	55 - 145	
1,2-Dichloropropane	0.52	U	20.0	20.8	104	70 - 130	
cis-1,3-Dichloropropene	0.14	U	20.0	21.2	106	70 - 130	
trans-1,3-Dichloropropene	0.14	U	20.0	19.9	99	62 - 130	
Ethylbenzene	0.44	U	20.0	23.1	115	69 - 131	
2-Hexanone	4.4	U	100	100	100	57 - 148	
Bromomethane	2.5	U	20.0	9.49	47	14 - 184	
Chloromethane	1.0	U	20.0	17.3	87	35 - 153	
Dibromomethane	0.41	U	20.0	20.6	103	70 - 130	
Methylene Chloride	4.0	U	20.0	18.7	94	57 - 130	
2-Butanone (MEK)	8.4	U	100	94.9	95	63 - 140	
Iodomethane	2.5	U	20.0	14.9	75	70 - 130	
4-Methyl-2-pentanone (MIBK)	3.8	U	100	98.5	98	64 - 137	
Styrene	0.98	U	20.0	23.5	117	62 - 136	
1,1,1,2-Tetrachloroethane	0.63	U	20.0	20.4	102	70 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Matrix Spike - Batch: 660-90020

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33511-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1646
Date Prepared: 01/28/2010 1646

Analysis Batch: 660-90020
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH5973
Lab File ID: 1HA2818.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
1,1,2,2-Tetrachloroethane	0.15	U	20.0	21.3	107	67 - 130	
Tetrachloroethene	0.50	U	20.0	21.8	109	47 - 143	
Toluene	0.51	U	20.0	21.2	106	70 - 131	
1,1,1-Trichloroethane	0.46	U	20.0	18.5	93	57 - 135	
1,1,2-Trichloroethane	0.47	U	20.0	20.7	103	69 - 130	
Trichloroethene	0.50	U	20.0	21.1	106	59 - 142	
Trichlorofluoromethane	2.5	U	20.0	20.6	103	62 - 147	
1,2,3-Trichloropropane	0.18	U	20.0	21.2	106	62 - 130	
Vinyl acetate	1.5	U	37.1	24.7	67	10 - 166	
Vinyl chloride	0.50	U	20.0	18.9	94	48 - 147	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Duplicate - Batch: 660-90020

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33504-A-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1433
Date Prepared: 01/28/2010 1433

Analysis Batch: 660-90020
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH5973
Lab File ID: 1HA2812.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Acetone	9.9	U	9.9	NC	30	U
Acrylonitrile	1.2	U	1.2	NC	30	U
Benzene	0.50	U	0.50	NC	30	U
Chlorobromomethane	0.58	U	0.58	NC	30	U
Dichlorobromomethane	0.35	U	0.35	NC	30	U
Bromoform	0.58	U	0.58	NC	30	U
Carbon disulfide	0.85	U	0.85	NC	30	U
Carbon tetrachloride	0.42	U	0.42	NC	30	U
Chlorobenzene	0.63	U	0.63	NC	30	U
Chloroethane	2.5	U	2.5	NC	30	U
Chloroform	0.90	U	0.90	NC	30	U
Chlorodibromomethane	0.34	U	0.34	NC	30	U
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	NC	30	U
Ethylene Dibromide	0.50	U	0.50	NC	30	U
1,2-Dichlorobenzene	0.44	U	0.44	NC	30	U
1,4-Dichlorobenzene	0.52	U	0.52	NC	30	U
trans-1,4-Dichloro-2-butene	2.5	U	2.5	NC	30	U
1,1-Dichloroethane	0.52	U	0.52	NC	30	U
1,2-Dichloroethane	0.57	U	0.57	NC	30	U
1,1-Dichloroethene	0.45	U	0.45	NC	30	U
cis-1,2-Dichloroethene	0.65	U	0.65	NC	30	U
trans-1,2-Dichloroethene	0.44	U	0.44	NC	30	U
1,2-Dichloropropane	0.52	U	0.52	NC	30	U
cis-1,3-Dichloropropene	0.14	U	0.14	NC	30	U
trans-1,3-Dichloropropene	0.14	U	0.14	NC	30	U
Ethylbenzene	0.44	U	0.44	NC	30	U
2-Hexanone	4.4	U	4.4	NC	30	U
Bromomethane	2.5	U	2.5	NC	30	U
Chloromethane	1.0	U	1.0	NC	30	U
Dibromomethane	0.41	U	0.41	NC	30	U
Methylene Chloride	4.0	U	4.0	NC	30	U
2-Butanone (MEK)	8.4	U	8.4	NC	30	U
Iodomethane	2.5	U	2.5	NC	30	U
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	NC	30	U
Styrene	0.98	U	0.98	NC	30	U
1,1,1,2-Tetrachloroethane	0.63	U	0.63	NC	30	U
1,1,2,2-Tetrachloroethane	0.15	U	0.15	NC	30	U
Tetrachloroethene	0.50	U	0.50	NC	30	U
Toluene	0.51	U	0.51	NC	30	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Duplicate - Batch: 660-90020

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33504-A-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1433
Date Prepared: 01/28/2010 1433

Analysis Batch: 660-90020
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMH5973
Lab File ID: 1HA2812.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
1,1,1-Trichloroethane	0.46	U	0.46	NC	30	U
1,1,2-Trichloroethane	0.47	U	0.47	NC	30	U
Trichloroethene	0.50	U	0.50	NC	30	U
Trichlorofluoromethane	2.5	U	2.5	NC	30	U
1,2,3-Trichloropropane	0.18	U	0.18	NC	30	U
Vinyl acetate	1.5	U	1.5	NC	30	U
Vinyl chloride	0.50	U	0.50	NC	30	U
Xylenes, Total	0.50	U	0.50	NC	30	U

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	93	70 - 130
Dibromofluoromethane	94	70 - 130
Toluene-d8 (Surr)	93	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Method Blank - Batch: 660-90069

Method: 8011
Preparation: 8011

Lab Sample ID: MB 660-90069/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1741
Date Prepared: 01/28/2010 1430

Analysis Batch: 660-90072
Prep Batch: 660-90069
Units: ug/L

Instrument ID: BSGU
Lab File ID: 1A28U013.D
Initial Weight/Volume: 34.7964 g
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.020
Ethylene Dibromide	0.010	U	0.010	0.020

Surrogate	% Rec	Acceptance Limits
1,1,1,2-Tetrachloroethane	86	60 - 140

Lab Control Sample - Batch: 660-90069

Method: 8011
Preparation: 8011

Lab Sample ID: LCS 660-90069/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1801
Date Prepared: 01/28/2010 1430

Analysis Batch: 660-90072
Prep Batch: 660-90069
Units: ug/L

Instrument ID: BSGU
Lab File ID: 1A28U014.D
Initial Weight/Volume: 34.7006 g
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2-Dibromo-3-Chloropropane	0.252	0.216	86	60 - 140	
Ethylene Dibromide	0.252	0.224	89	60 - 140	

Matrix Spike - Batch: 660-90069

Method: 8011
Preparation: 8011

Lab Sample ID: 660-33498-H-4-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1842
Date Prepared: 01/28/2010 1430

Analysis Batch: 660-90072
Prep Batch: 660-90069
Units: ug/L

Instrument ID: BSGU
Lab File ID: 1A28U016.D
Initial Weight/Volume: 36.1711 g
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
1,2-Dibromo-3-Chloropropane	0.010	U	0.242	0.192	79	60 - 140	
Ethylene Dibromide	0.010	U	0.242	0.202	83	60 - 140	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Duplicate - Batch: 660-90069

Method: 8011
Preparation: 8011

Lab Sample ID: 660-33511-4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 2326
Date Prepared: 01/28/2010 1430

Analysis Batch: 660-90072
Prep Batch: 660-90069
Units: ug/L

Instrument ID: BSGU
Lab File ID: 1A28U030.D
Initial Weight/Volume: 35.8355 g
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
1,2-Dibromo-3-Chloropropane	0.010	U	0.0098	NC	40	U
Ethylene Dibromide	0.010	U	0.0098	NC	40	U

Surrogate	% Rec	Acceptance Limits
1,1,1,2-Tetrachloroethane	95	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Method Blank - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 680-159398/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1630
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398
Units: mg/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Sodium	0.25	U	0.25	0.50

Method Blank - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 680-159398/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1630
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398
Units: ug/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	1.3	U	1.3	2.5
Barium	1.3	U	1.3	5.0
Beryllium	0.25	U	0.25	0.50
Cadmium	0.095	U	0.095	0.50
Chromium	2.5	U	2.5	5.0
Lead	0.20	U	0.20	1.5
Nickel	2.0	U	2.0	5.0
Selenium	1.0	U	1.0	2.5
Cobalt	0.15	U	0.15	0.50
Silver	0.25	U	0.25	1.0
Copper	1.1	U	1.1	5.0
Vanadium	3.8	U	3.8	10
Zinc	8.3	U	8.3	20
Thallium	0.50	U	0.50	1.0
Iron	33	U	33	100

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Lab Control Sample - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 680-159398/17-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1636
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398
Units: mg/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	5.00	5.47	109	75 - 125	

Lab Control Sample - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 680-159398/17-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1636
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398
Units: ug/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	50.0	51.2	102	75 - 125	
Arsenic	100	111	111	75 - 125	
Barium	100	102	102	75 - 125	
Beryllium	50.0	50.2	100	75 - 125	
Cadmium	50.0	52.3	105	75 - 125	
Chromium	100	103	103	75 - 125	
Lead	50.0	49.7	99	75 - 125	
Nickel	100	106	106	75 - 125	
Selenium	100	109	109	75 - 125	
Cobalt	50.0	48.4	97	75 - 125	
Silver	50.0	49.1	98	75 - 125	
Copper	100	105	105	75 - 125	
Vanadium	100	102	102	75 - 125	
Zinc	100	112	112	75 - 125	
Thallium	40.0	41.5	104	75 - 125	
Iron	5000	5440	109	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	660-33512-B-1-B MS	Analysis Batch: 680-159526	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159398	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/28/2010 1845		Final Weight/Volume: 250 mL
Date Prepared:	01/28/2010 1115		

MSD Lab Sample ID:	660-33512-B-1-C MSD	Analysis Batch: 680-159526	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159398	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/28/2010 1852		Final Weight/Volume: 250 mL
Date Prepared:	01/28/2010 1115		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sodium	111	130	75 - 125	4	20		J3

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

MS Lab Sample ID: 660-33512-B-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1845
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

MSD Lab Sample ID: 660-33512-B-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1852
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	107	109	75 - 125	2	20		
Arsenic	114	116	75 - 125	2	20		
Barium	107	110	75 - 125	2	20		
Beryllium	108	108	75 - 125	0	20		
Cadmium	110	110	75 - 125	0	20		
Chromium	107	111	75 - 125	4	20		
Lead	102	104	75 - 125	2	20		
Nickel	109	112	75 - 125	3	20		
Selenium	111	115	75 - 125	3	20		
Cobalt	100	102	75 - 125	1	20		
Silver	102	104	75 - 125	2	20		
Copper	110	113	75 - 125	3	20		
Vanadium	106	110	75 - 125	3	20		
Zinc	114	113	75 - 125	1	20		
Thallium	108	110	75 - 125	2	20		
Iron	112	115	75 - 125	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Method Blank - Batch: 680-159629

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 680-159629/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/03/2010 2043
Date Prepared: 02/01/2010 1121

Analysis Batch: 680-159933
Prep Batch: 680-159629
Units: mg/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Sodium	0.25	U	0.25	0.50

Method Blank - Batch: 680-159629

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 680-159629/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/03/2010 2043
Date Prepared: 02/01/2010 1121

Analysis Batch: 680-159933
Prep Batch: 680-159629
Units: ug/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	1.3	U	1.3	2.5
Barium	1.3	U	1.3	5.0
Beryllium	0.25	U	0.25	0.50
Cadmium	0.095	U	0.095	0.50
Chromium	2.5	U	2.5	5.0
Lead	0.20	U	0.20	1.5
Nickel	2.0	U	2.0	5.0
Selenium	1.0	U	1.0	2.5
Cobalt	0.15	U	0.15	0.50
Silver	0.25	U	0.25	1.0
Copper	1.1	U	1.1	5.0
Vanadium	3.8	U	3.8	10
Zinc	8.3	U	8.3	20
Thallium	0.50	U	0.50	1.0
Iron	33	U	33	100

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Lab Control Sample - Batch: 680-159629

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 680-159629/22-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/03/2010 2049
Date Prepared: 02/01/2010 1121

Analysis Batch: 680-159933
Prep Batch: 680-159629
Units: mg/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	5.00	4.86	97	75 - 125	

Lab Control Sample - Batch: 680-159629

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 680-159629/22-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/03/2010 2049
Date Prepared: 02/01/2010 1121

Analysis Batch: 680-159933
Prep Batch: 680-159629
Units: ug/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	50.0	50.0	100	75 - 125	
Arsenic	100	103	103	75 - 125	
Barium	100	97.2	97	75 - 125	
Beryllium	50.0	49.8	100	75 - 125	
Cadmium	50.0	50.2	100	75 - 125	
Chromium	100	97.4	97	75 - 125	
Lead	50.0	47.3	95	75 - 125	
Nickel	100	99.3	99	75 - 125	
Selenium	100	99.0	99	75 - 125	
Cobalt	50.0	46.9	94	75 - 125	
Silver	50.0	47.1	94	75 - 125	
Copper	100	99.2	99	75 - 125	
Vanadium	100	96.5	96	75 - 125	
Zinc	100	104	104	75 - 125	
Thallium	40.0	37.4	94	75 - 125	
Iron	5000	4800	96	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-159629

Method: 6020
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	680-54659-B-2-B MS	Analysis Batch: 680-159933	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159629	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	02/03/2010 2326		Final Weight/Volume: 250 mL
Date Prepared:	02/01/2010 1121		

MSD Lab Sample ID:	680-54659-B-2-C MSD	Analysis Batch: 680-159933	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159629	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	02/03/2010 2333		Final Weight/Volume: 250 mL
Date Prepared:	02/01/2010 1121		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sodium	99	87	75 - 125	7	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-159629

Method: 6020
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	680-54659-B-2-B MS	Analysis Batch: 680-159933	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159629	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	02/03/2010 2326		Final Weight/Volume: 250 mL
Date Prepared:	02/01/2010 1121		

MSD Lab Sample ID:	680-54659-B-2-C MSD	Analysis Batch: 680-159933	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159629	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	02/03/2010 2333		Final Weight/Volume: 250 mL
Date Prepared:	02/01/2010 1121		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	104	97	75 - 125	8	20		
Arsenic	103	97	75 - 125	5	20		
Barium	102	91	75 - 125	7	20		
Beryllium	101	94	75 - 125	7	20		
Cadmium	102	97	75 - 125	5	20		
Chromium	97	91	75 - 125	5	20		
Lead	96	91	75 - 125	5	20		
Nickel	101	96	75 - 125	5	20		
Selenium	99	94	75 - 125	5	20		
Cobalt	95	89	75 - 125	6	20		
Silver	97	91	75 - 125	6	20		
Copper	99	95	75 - 125	5	20		
Vanadium	99	95	75 - 125	5	20		
Zinc	107	102	75 - 125	5	20		
Thallium	94	90	75 - 125	5	20		
Iron	97	92	75 - 125	5	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Method Blank - Batch: 680-160432

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 680-160432/17-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1650
Date Prepared: 02/12/2010 1414

Analysis Batch: 680-160942
Prep Batch: 680-160432
Units: ug/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.091	U	0.091	0.20

Lab Control Sample - Batch: 680-160432

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 680-160432/18-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1653
Date Prepared: 02/12/2010 1414

Analysis Batch: 680-160942
Prep Batch: 680-160432
Units: ug/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	2.50	2.75	110	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Method Blank - Batch: 680-160674

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 680-160674/20-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1752
Date Prepared: 02/12/2010 1308

Analysis Batch: 680-160942
Prep Batch: 680-160674
Units: ug/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.091	U	0.091	0.20

Lab Control Sample - Batch: 680-160674

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 680-160674/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1755
Date Prepared: 02/12/2010 1308

Analysis Batch: 680-160942
Prep Batch: 680-160674
Units: ug/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	2.50	2.58	103	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-160674

Method: 7470A
Preparation: 7470A

MS Lab Sample ID: 660-33498-A-6-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1844
Date Prepared: 02/12/2010 1308

Analysis Batch: 680-160942
Prep Batch: 680-160674

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-33498-A-6-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1848
Date Prepared: 02/12/2010 1308

Analysis Batch: 680-160942
Prep Batch: 680-160674

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	101	98	80 - 120	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Method Blank - Batch: 660-89993

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-89993/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2010 1433
Date Prepared: N/A

Analysis Batch: 660-89993
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-89993

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-89993/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2010 1450
Date Prepared: N/A

Analysis Batch: 660-89993
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	10.0	10.3	103	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-89993

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-33511-1
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 01/27/2010 1855
Date Prepared: N/A

Analysis Batch: 660-89993
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 660-33511-1
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 01/27/2010 1913
Date Prepared: N/A

Analysis Batch: 660-89993
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	94	94	90 - 110	0	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Method Blank - Batch: 660-90114

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 660-90114/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1206
Date Prepared: N/A

Analysis Batch: 660-90114
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	PQL
Ammonia (as N)	0.010	U	0.010	0.020

Lab Control Sample - Batch: 660-90114

Method: 350.1
Preparation: N/A

Lab Sample ID: LCS 660-90114/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1207
Date Prepared: N/A

Analysis Batch: 660-90114
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia (as N)	0.500	0.526	105	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-90114

Method: 350.1
Preparation: N/A

MS Lab Sample ID: 660-33509-A-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1209
Date Prepared: N/A

Analysis Batch: 660-90114
Prep Batch: N/A

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 660-33509-A-1 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1211
Date Prepared: N/A

Analysis Batch: 660-90114
Prep Batch: N/A

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia (as N)	87	89	90 - 110	1	30	J3	J3

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Method Blank - Batch: 660-89964

Method: 353.2
Preparation: N/A

Lab Sample ID: MB 660-89964/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2010 0846
Date Prepared: N/A

Analysis Batch: 660-89964
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	PQL
Nitrate Nitrite as N	0.10	U	0.10	0.50
Nitrite as N	0.10	U	0.10	0.50
Nitrate as N	0.10	U	0.10	0.50

Lab Control Sample - Batch: 660-89964

Method: 353.2
Preparation: N/A

Lab Sample ID: LCS 660-89964/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2010 0846
Date Prepared: N/A

Analysis Batch: 660-89964
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate Nitrite as N	1.00	0.964	96	90 - 110	
Nitrite as N	1.00	0.978	98	90 - 110	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-89964

Method: 353.2
Preparation: N/A

MS Lab Sample ID:	660-33511-3	Analysis Batch: 660-89964	Instrument ID: LACHAT
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/27/2010 1442		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-33511-3	Analysis Batch: 660-89964	Instrument ID: LACHAT
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/27/2010 1442		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate Nitrite as N	77	66	90 - 110	15	30	J3	J3
Nitrite as N	84	79	90 - 110	5	30	J3	J3

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Method Blank - Batch: 660-89979

Method: SM 2540C
Preparation: N/A

Lab Sample ID: MB 660-89979/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 0734
Date Prepared: N/A

Analysis Batch: 660-89979
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	PQL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Lab Control Sample - Batch: 660-89979

Method: SM 2540C
Preparation: N/A

Lab Sample ID: LCS 660-89979/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 0734
Date Prepared: N/A

Analysis Batch: 660-89979
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	10000	9900	99	80 - 120	

Duplicate - Batch: 660-89979

Method: SM 2540C
Preparation: N/A

Lab Sample ID: 660-33509-G-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 0736
Date Prepared: N/A

Analysis Batch: 660-89979
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	400	402	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

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TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: m-1

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FS 2200 Groundwater Sampling

SITE NAME: CDM	SITE LOCATION: Lecanto
WELL NO: MW-14	SAMPLE ID:
	DATE: 1-26-10

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 96 feet to 116 feet	STATIC DEPTH TO WATER (feet): 103.66	PURGE PUMP TYPE OR BAILER: DBP

Measuring Point Elevation (ft/msl) - Water Level = Water Level Elevation

MP Elevation =

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)

12.34 = (116 feet – 103.66 feet) X .16 gallons/foot = 1.97 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 115	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 115	PURGING INITIATED AT: 0715	PURGING ENDED AT: 0810	TOTAL VOLUME PURGED (gallons): 2.95

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
0802	1.97	1.97	.12	103.66	6.91	21.6	510	1.93	7.26	Clear	NO	
0806	.49	2.46	.12	103.66	6.88	21.6	511	1.98	6.35	↓	↓	
0810	.49	2.95	.12	103.66	6.87	21.5	510	1.93	4.86	↓	↓	

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan Reich	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 0810	SAMPLING ENDED AT: 0820
PUMP OR TUBING DEPTH IN WELL (feet): 115	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: T	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
			See	COC				

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature**: ± 0.2 °C **Specific Conductance**: ± 5% **Dissolved Oxygen**: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity**: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: M-1

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FS 2200 Groundwater Sampling

SITE NAME: CPM	SITE LOCATION: Lecanto
WELL NO: MW-15	SAMPLE ID:
	DATE: 1-26-10

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 110 feet to 130 feet	STATIC DEPTH TO WATER (feet): 118.59	PURGE PUMP TYPE OR BAILER: DBP

Measuring Point Elevation (ft/msl) - **Water Level** = **Water Level Elevation**

MP Elevation =

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)

11.41 = (130 feet – 118.59 feet) X .16 gallons/foot = 1.83 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 124	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 124	PURGING INITIATED AT: 0857	PURGING ENDED AT: 0944	TOTAL VOLUME PURGED (gallons): 2.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
0928	1.83	1.83	.06	118.68	4.60	20.8	45	5.25	7.17	Clear	Yes	
0936	.46	2.29	.06	118.68	4.57	20.8	44	5.11	3.64	↓	↓	
0944	.46	2.75	.06	118.68	4.58	20.9	44	5.00	2.68	↓	↓	

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan Reich	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 0944	SAMPLING ENDED AT: 0955
PUMP OR TUBING DEPTH IN WELL (feet): 124	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: T	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
		See COC						

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01

TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: M-1 PAGE: 1 of 1

FS 2200 Groundwater Sampling

SITE NAME: CDM	SITE LOCATION: Leesburg
WELL NO: MW-17	SAMPLE ID:
DATE: 1-26-10	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 105.93	PURGE PUMP TYPE OR BAILER: BP

Measuring Point Elevation (ft/msl) - Water Level = Water Level Elevation
MP Elevation =

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
12.07 = (118 feet – 105.93 feet) X .16 gallons/foot = 1.93 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
116	116	1029	1110	3.85

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
1050	1.93	1.93	.09	106.00	5.05	22.8	61	5.17	23.7	Clear	NO	
1055	.48	2.41	.09	106.00	5.05	22.7	60	5.19	16.0	↓	↓	
1100	.48	2.89	.09	106.00	5.05	22.7	60	5.24	10.6			
1105	.48	3.37	.09	106.00	5.05	22.7	70	5.07	8.51			
1110	.48	3.85	.09	106.00	5.06	22.8	61	5.11	8.48			
			Filtered						0.19			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan Reich	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1110	SAMPLING ENDED AT: 1125
PUMP OR TUBING DEPTH IN WELL (feet): 116	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: T	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: (Y) N FILTER SIZE: 1.0 µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
			See COC					

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01

TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: ~~M~~ + Cyclone (ea 1-26-10)

PAGE: 1 of 1

FS 2200 Groundwater Sampling

SITE NAME: CDM	SITE LOCATION: Lecanto
WELL NO: MW-3	SAMPLE ID:
DATE: 1-26-10	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 114.22	PURGE PUMP TYPE OR BAILER: DBP

Measuring Point Elevation (ft/msl) **MP Elevation =** **- Water Level** **=** **Water Level Elevation**

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
5.58 = (119.8 feet – 114.22 feet) X .16 gallons/foot = .89 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 117	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 117	PURGING INITIATED AT: 1423	PURGING ENDED AT: 1510	TOTAL VOLUME PURGED (gallons): 1.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
1456	.89	.89	.03	NA	5.00	20.9	39	4.30	1.11	clear	NO	
1503	.22	1.11	.03		4.91	20.9	37	3.88	1.29	↓	↓	
1510	.22	1.33	.03	↓	4.86	20.7	37	3.79	1.14	↓	↓	

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan Reich	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1511	SAMPLING ENDED AT: 1528
PUMP OR TUBING DEPTH IN WELL (feet): 117	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: T	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
		See		CDC				

REMARKS: water level has drawn down below top of pump

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature**: ± 0.2 °C **Specific Conductance**: ± 5% **Dissolved Oxygen**: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity**: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01

TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: Cyclone

PAGE: 1 of 1

FS 2200 Groundwater Sampling

SITE NAME: Citrus County Landfill	SITE LOCATION: Lecanto, FL
WELL NO: MW-1R	SAMPLE ID:
DATE: 1-26-10	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 115 feet to 125 feet	STATIC DEPTH TO WATER (feet): 113.20	PURGE PUMP TYPE OR BAILER: BP

Measuring Point Elevation (ft/msl) - Water Level = Water Level Elevation

MP Elevation =

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) 14.60 = (127.8 feet – 113.20 feet) X .16 gallons/foot = 2.33 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 122	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 122	PURGING INITIATED AT: 1213	PURGING ENDED AT: 1259	TOTAL VOLUME PURGED (gallons): 5.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
1243	2.33	2.33	.07	?	5.33	23.0	93	4.33	.71	clear	No	
1251	.58	2.91	.07	↓	5.33	22.8	93	4.27	.45	↓	↓	
1259	.58	3.49	.07	↓	5.33	22.8	93	4.12	.51	↓	↓	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shawn Victory	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1259	SAMPLING ENDED AT: 1310
PUMP OR TUBING DEPTH IN WELL (feet): 122	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
				SEE	COC			

REMARKS: water level has drawn down below top of pump

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

660-33511

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

Orlando Service Center
8010 Sunport Drive Suite 116
Orlando, FL 32809
Phone (813) 885-7427 Fax (813) 885-7049

Sampler: Ryan Reid
Phone: 407-453-3076
Lab PM: Beato, Judith
E-Mail: judith.beato@testamericainc.com
Carrier Tracking No(s):
COC No: 660-27103.1
Page: Page 1 of 2
Job #:

Client Information

Client Contact: Mr. David Rojas
Company: Camp Dresser & McKee Inc
Address: 1715 North Westshore Blvd. Suite 875
City: Tampa
State, Zip: FL, 33607
Phone:
Email: rojasdr@cdm.com
Project Name: Background & compliance wells
Site:

Due Date Requested:
TAT Requested (days):
PO #: Purchase Order Requested
WO #:
Project #: 66002518
SSOW#:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 - Ammonia (as N)	6020 - Appendix 1 Metals + Iron, Mercury and So	8260B - 8260 Appendix I Compounds	300.0_28D, 353.2	2540C - Total Dissolved Solids	8011 - EDB, DBCP, and 123TCP	6020 - Dissolved Appendix 1 Metals + Iron, Merc	Total Number of containers
			Preservation Code:				S	D	N	N	N	N	D	
MW-14	1-26-10	0820	G	Water	N		1	1	3	1	1	3		
MW-15	↓	0955	↓	Water	N		1	1	3	1	1	3		
MW-17	↓	1125	↓	Water	Y		1	1	3	1	1	3	1	
MW-3	↓	1528	↓	Water	N		1	1	3	1	1	3		
MW-1R	↓	1310	↓	Water	N		1	1	3	1	1	3		
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										

Special Instructions/Note:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Special Instructions/QC Requirements:

Deliverable Requested: I, II, III, IV, Other (specify)

Method of Shipment:

	Date/Time	Company		Date/Time	Company
Empty Kit Relinquished by:			Received by:	1-26-10 1100	TA Tampa
Relinquished by:	1-26-10/1553	TA	Received by:	1-26-10 1725	TA-TP
Relinquished by:	1/26/10 1725	TA Tampa	Received by:		
Relinquished by:					

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.1, 1.9°C cw 07

02/19/2010

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TestAmerica
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PRESERVATION CONFIRMATION FORM

Tampa, FL

JOB NUMBER: 660 - 33511 Logged in TALS By : Charles Volz

Cooler Received on (date) 1-26-10 And Opened By (full name): Charles Volz

1. Shipper (circle one) FEDEX UPS DHL WALK-IN COURIER OTHER: lab

2. Tracking #

3. Temperature of rep. sample or temp blank when opened: 2.1°C, 1.9°C Cu-07 Degrees Celsius

4. Number of H2SO4 (sulfuric acid) preserved containers: 5

   All containers pH < 2 ? YES If not please comment below:

5. Number of HCL (hydrochloric acid) preserved containers:

   All containers pH < 2 ? _____ If not please comment below:

6. Number of HNO3 (nitric acid) preserved containers: 6

   All containers pH < 2 ? YES If not please comment below:

7. Number of NaOH (sodium hydroxide) preserved containers:

   All containers pH >12 ? _____ If not please comment below:

8. Number of Unpreserved containers: 10

   All containers pH between 6 and 8? YES If not please comment below:

9. Was chlorine present in any of the unpreserved containers? NO

   If yes, which samples?

Revision 1- 9/16/08

Login Sample Receipt Check List

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Login Number: 33511
Creator: Volz, Charles
List Number: 1

List Source: TestAmerica Tampa

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1,1.9 Degrees C. CU-07
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: Camp Dresser & McKee Inc

Job Number: 660-33511-1

Login Number: 33511
Creator: Lanier, Herbert D
List Number: 1

List Source: TestAmerica Savannah
List Creation: 01/28/10 10:44 AM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	False	
Sample Preservation Verified	True	

ANALYTICAL REPORT

Job Number: 660-33512-1

Job Description: Citrus County Landfill - 2010

For:
Camp Dresser & McKee Inc
1715 North Westshore Blvd.
Suite 875
Tampa, FL 33607

Attention: Mr. David Rojas

Approved for release.
Judith Beato
Project Manager I
2/19/2010 12:21 PM

Judith Beato
Project Manager I
judith.beato@testamericainc.com
02/19/2010

Methods: FDEP, DOH Certification #: E84282, E81005 These test results meet all the requirements of NELAC unless specified in the case narrative. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request. The results contained in this test report relate only to these samples included herein.

Job Narrative
660-33512-1

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 90011 had 1 analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified; was out was out Low for Iodomethane.

No other analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
Method(s) 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
660-33512-1	**MW-7**					
Ethylbenzene		0.61	I	1.0	ug/L	8260B
Color		Clear			Color Units	Field Sampling
Field pH		5.25			SU	Field Sampling
Field Temperature		22.1			Degrees C	Field Sampling
Oxygen, Dissolved		0.39			mg/L	Field Sampling
Specific Conductance		100			umhos/cm	Field Sampling
Turbidity		4.47			NTU	Field Sampling
Water Level		122.45			ft	Field Sampling
Chloride		6.3		0.50	mg/L	300.0
Total Dissolved Solids		78		5.0	mg/L	SM 2540C
Total Recoverable						
Arsenic		1.9	I	2.5	ug/L	6020
Barium		17		5.0	ug/L	6020
Lead		2.0		1.5	ug/L	6020
Cadmium		0.20	I	0.50	ug/L	6020
Nickel		3.6	I	5.0	ug/L	6020
Cobalt		0.46	I	0.50	ug/L	6020
Iron		160		100	ug/L	6020
Zinc		23		20	ug/L	6020
Sodium		16	J3	0.50	mg/L	6020
660-33512-2	**MW-2**					
Chloroform		2.0		1.0	ug/L	8260B
Color		Clear			Color Units	Field Sampling
Field pH		4.62			SU	Field Sampling
Field Temperature		21.7			Degrees C	Field Sampling
Oxygen, Dissolved		4.39			mg/L	Field Sampling
Specific Conductance		24			umhos/cm	Field Sampling
Turbidity		1.09			NTU	Field Sampling
Water Level		129.75			ft	Field Sampling
Chloride		4.0		0.50	mg/L	300.0
Total Dissolved Solids		34		5.0	mg/L	SM 2540C
Total Recoverable						
Barium		2.3	I	5.0	ug/L	6020
Lead		1.1	I	1.5	ug/L	6020
Cobalt		0.44	I	0.50	ug/L	6020
Iron		41	I	100	ug/L	6020
Zinc		19	I	20	ug/L	6020
Sodium		3.3		0.50	mg/L	6020

METHOD SUMMARY

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL TAM	SW846 8260B	
Purge and Trap	TAL TAM		SW846 5030B
EDB, DBCP, and 1,2,3-TCP (GC)	TAL TAM	SW846 8011	
Microextraction	TAL TAM		SW846 8011
Metals (ICP/MS)	TAL SAV	SW846 6020	
Preparation, Total Recoverable or Dissolved Metals	TAL SAV		SW846 3005A
Mercury (CVAA)	TAL SAV	SW846 7470A	
Preparation, Mercury	TAL SAV		SW846 7470A
Anions, Ion Chromatography	TAL TAM	MCAWW 300.0	
Nitrogen, Ammonia	TAL TAM	MCAWW 350.1	
Nitrogen, Nitrate-Nitrite	TAL TAM	MCAWW 353.2	
Solids, Total Dissolved (TDS)	TAL TAM	SM SM 2540C	
Field Sampling	TAL TAM	EPA Field Sampling	

Lab References:

TAL SAV = TestAmerica Savannah

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Method	Analyst	Analyst ID
SW846 8260B	Harris, Chris	CH
SW846 8011	Ballard, James	JB
SW846 6020	Robertson, Bryn	BR
SW846 7470A	Eaton, Cliff	CE
EPA Field Sampling	Hornsby, Terry	TFH
MCAWW 300.0	Cerome, Saurel	SC
MCAWW 350.1	Steward, Tiffany	TS
MCAWW 353.2	Steward, Tiffany	TS
SM SM 2540C	Oonnoonny, Thomas	TO

SAMPLE SUMMARY

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-33512-1	MW-7	Water	01/26/2010 1655	01/27/2010 0825
660-33512-2	MW-2	Water	01/26/2010 1758	01/27/2010 0825
660-33512-3TB	Trip Blank	Water	01/26/2010 1655	01/27/2010 0825

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Client Sample ID: **MW-7**

Lab Sample ID: 660-33512-1
Client Matrix: Water

Date Sampled: 01/26/2010 1655
Date Received: 01/27/2010 0825

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 01/28/2010 2033
Date Prepared: 01/28/2010 2033

Analysis Batch: 660-90011

Instrument ID: BVMJ5975
Lab File ID: 1JA2832.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.61	I	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Bromomethane	2.5	U	2.5	5.0
Chloromethane	1.0	U	1.0	4.0
Dibromomethane	0.41	U	0.41	1.0
Methylene Chloride	4.0	U	4.0	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Iodomethane	2.5	U J3	2.5	5.0
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Styrene	0.98	U	0.98	2.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Client Sample ID: **MW-7**

Lab Sample ID: 660-33512-1
Client Matrix: Water

Date Sampled: 01/26/2010 1655
Date Received: 01/27/2010 0825

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90011	Instrument ID:	BVMJ5975
Preparation:	5030B		Lab File ID:	1JA2832.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	01/28/2010 2033		Final Weight/Volume:	5 mL
Date Prepared:	01/28/2010 2033			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene			
Dibromofluoromethane			
Toluene-d8 (Surr)			

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Client Sample ID: **MW-2**

Lab Sample ID: 660-33512-2
Client Matrix: Water

Date Sampled: 01/26/2010 1758
Date Received: 01/27/2010 0825

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 01/28/2010 2055
Date Prepared: 01/28/2010 2055

Analysis Batch: 660-90011

Instrument ID: BVMJ5975
Lab File ID: 1JA2833.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	2.0		0.90	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Bromomethane	2.5	U	2.5	5.0
Chloromethane	1.0	U	1.0	4.0
Dibromomethane	0.41	U	0.41	1.0
Methylene Chloride	4.0	U	4.0	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Iodomethane	2.5	U J3	2.5	5.0
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Styrene	0.98	U	0.98	2.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Client Sample ID: **MW-2**

Lab Sample ID: 660-33512-2
Client Matrix: Water

Date Sampled: 01/26/2010 1758
Date Received: 01/27/2010 0825

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90011	Instrument ID:	BVMJ5975
Preparation:	5030B		Lab File ID:	1JA2833.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	01/28/2010 2055		Final Weight/Volume:	5 mL
Date Prepared:	01/28/2010 2055			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene			
Dibromofluoromethane			
Toluene-d8 (Surr)			

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 660-33512-3TB

Client Matrix: Water

Date Sampled: 01/26/2010 1655

Date Received: 01/27/2010 0825

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Preparation: 5030B

Dilution: 1.0

Date Analyzed: 01/28/2010 1314

Date Prepared: 01/28/2010 1314

Analysis Batch: 660-90011

Instrument ID: BVMJ5975

Lab File ID: 1JA2813.D

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Bromomethane	2.5	U	2.5	5.0
Chloromethane	1.0	U	1.0	4.0
Dibromomethane	0.41	U	0.41	1.0
Methylene Chloride	4.0	U	4.0	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Iodomethane	2.5	U J3	2.5	5.0
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Styrene	0.98	U	0.98	2.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 660-33512-3TB

Client Matrix: Water

Date Sampled: 01/26/2010 1655

Date Received: 01/27/2010 0825

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-90011	Instrument ID:	BVMJ5975
Preparation:	5030B		Lab File ID:	1JA2813.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	01/28/2010 1314		Final Weight/Volume:	5 mL
Date Prepared:	01/28/2010 1314			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	107		70 - 130
Dibromofluoromethane	108		70 - 130
Toluene-d8 (Surr)	107		70 - 130

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Client Sample ID: **MW-7**

Lab Sample ID: 660-33512-1
Client Matrix: Water

Date Sampled: 01/26/2010 1655
Date Received: 01/27/2010 0825

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 660-90072		Instrument ID:	BSGU
Preparation:	8011	Prep Batch: 660-90069		Initial Weight/Volume:	34.8090 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	01/29/2010 0006			Injection Volume:	4 uL
Date Prepared:	01/28/2010 1430			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.020
Ethylene Dibromide	0.010	U	0.010	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	111		60 - 140

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Client Sample ID: **MW-2**

Lab Sample ID: 660-33512-2

Client Matrix: Water

Date Sampled: 01/26/2010 1758

Date Received: 01/27/2010 0825

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 660-90072		Instrument ID:	BSGU
Preparation:	8011	Prep Batch: 660-90069		Initial Weight/Volume:	34.4922 g
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	01/29/2010 0026			Injection Volume:	4 uL
Date Prepared:	01/28/2010 1430			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.020
Ethylene Dibromide	0.010	U	0.010	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	111		60 - 140

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Client Sample ID: **MW-7**

Lab Sample ID: 660-33512-1
Client Matrix: Water

Date Sampled: 01/26/2010 1655
Date Received: 01/27/2010 0825

6020 Metals (ICP/MS)-Total Recoverable

Method:	6020	Analysis Batch: 680-159526		Instrument ID:	ICPMSA
Preparation:	3005A	Prep Batch: 680-159398		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	01/28/2010 1825			Final Weight/Volume:	250 mL
Date Prepared:	01/28/2010 1115				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	16	J3	0.25	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	1.9	I	1.3	2.5
Barium	17		1.3	5.0
Beryllium	0.25	U	0.25	0.50
Lead	2.0		0.20	1.5
Selenium	1.0	U	1.0	2.5
Cadmium	0.20	I	0.095	0.50
Silver	0.25	U	0.25	1.0
Chromium	2.5	U	2.5	5.0
Nickel	3.6	I	2.0	5.0
Cobalt	0.46	I	0.15	0.50
Copper	1.1	U	1.1	5.0
Iron	160		33	100
Vanadium	3.8	U	3.8	10
Zinc	23		8.3	20
Thallium	0.50	U	0.50	1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 680-160942		Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-160674		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	02/16/2010 1820			Final Weight/Volume:	50 mL
Date Prepared:	02/12/2010 1308				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.091	U	0.091	0.20

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Client Sample ID: **MW-2**

Lab Sample ID: 660-33512-2
Client Matrix: Water

Date Sampled: 01/26/2010 1758
Date Received: 01/27/2010 0825

6020 Metals (ICP/MS)-Total Recoverable

Method:	6020	Analysis Batch: 680-159526		Instrument ID:	ICPMSA
Preparation:	3005A	Prep Batch: 680-159398		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	01/28/2010 1912			Final Weight/Volume:	250 mL
Date Prepared:	01/28/2010 1115				

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	3.3		0.25	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	1.3	U	1.3	2.5
Barium	2.3	I	1.3	5.0
Beryllium	0.25	U	0.25	0.50
Lead	1.1	I	0.20	1.5
Selenium	1.0	U	1.0	2.5
Cadmium	0.095	U	0.095	0.50
Silver	0.25	U	0.25	1.0
Chromium	2.5	U	2.5	5.0
Nickel	2.0	U	2.0	5.0
Cobalt	0.44	I	0.15	0.50
Copper	1.1	U	1.1	5.0
Iron	41	I	33	100
Vanadium	3.8	U	3.8	10
Zinc	19	I	8.3	20
Thallium	0.50	U	0.50	1.0

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 680-160942		Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-160674		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	02/16/2010 1824			Final Weight/Volume:	50 mL
Date Prepared:	02/12/2010 1308				

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Mercury	0.091	U	0.091	0.20

General Chemistry

Client Sample ID: **MW-7**

Lab Sample ID: 660-33512-1 Date Sampled: 01/26/2010 1655
Client Matrix: Water Date Received: 01/27/2010 0825

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Chloride	6.3		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-89993	Date Analyzed: 01/27/2010 1728						
Ammonia (as N)	0.010	U	mg/L	0.010	0.020	1.0	350.1
Analysis Batch: 660-90114	Date Analyzed: 02/01/2010 1219						
Nitrate as N	0.10	U	mg/L	0.10	0.50	1.0	353.2
Analysis Batch: 660-89964	Date Analyzed: 01/27/2010 1442						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Total Dissolved Solids	78		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-89979	Date Analyzed: 01/28/2010 0741						

General Chemistry

Client Sample ID: MW-2

Lab Sample ID: 660-33512-2 Date Sampled: 01/26/2010 1758
Client Matrix: Water Date Received: 01/27/2010 0825

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Chloride	4.0		mg/L	0.20	0.50	1.0	300.0
Analysis Batch: 660-89993	Date Analyzed: 01/27/2010 1745						
Ammonia (as N)	0.010	U	mg/L	0.010	0.020	1.0	350.1
Analysis Batch: 660-90114	Date Analyzed: 02/01/2010 1220						
Nitrate as N	0.10	U	mg/L	0.10	0.50	1.0	353.2
Analysis Batch: 660-89964	Date Analyzed: 01/27/2010 1442						

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Total Dissolved Solids	34		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 660-89979	Date Analyzed: 01/28/2010 0742						

Field Service / Mobile Lab

Client Sample ID: **MW-7**

Lab Sample ID: 660-33512-1
Client Matrix: Water

Date Sampled: 01/26/2010 1655
Date Received: 01/27/2010 0825

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Color	Clear		Color Units	1.0	Field Sampling	660-90542	01/26/2010 1640
Field pH	5.25		SU	1.0	Field Sampling	660-90542	01/26/2010 1640
Field Temperature	22.1		Degrees C	1.0	Field Sampling	660-90542	01/26/2010 1640
Oxygen, Dissolved	0.39		mg/L	1.0	Field Sampling	660-90542	01/26/2010 1640
Specific Conductance	100		umhos/cm	1.0	Field Sampling	660-90542	01/26/2010 1640
Turbidity	4.47		NTU	1.0	Field Sampling	660-90542	01/26/2010 1640
Water Level	122.45		ft	1.0	Field Sampling	660-90542	01/26/2010 1640

Field Service / Mobile Lab

Client Sample ID: **MW-2**

Lab Sample ID: 660-33512-2
Client Matrix: Water

Date Sampled: 01/26/2010 1758
Date Received: 01/27/2010 0825

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Color	Clear		Color Units	1.0	Field Sampling	660-90542	01/26/2010 1752
Field pH	4.62		SU	1.0	Field Sampling	660-90542	01/26/2010 1752
Field Temperature	21.7		Degrees C	1.0	Field Sampling	660-90542	01/26/2010 1752
Oxygen, Dissolved	4.39		mg/L	1.0	Field Sampling	660-90542	01/26/2010 1752
Specific Conductance	24		umhos/cm	1.0	Field Sampling	660-90542	01/26/2010 1752
Turbidity	1.09		NTU	1.0	Field Sampling	660-90542	01/26/2010 1752
Water Level	129.75		ft	1.0	Field Sampling	660-90542	01/26/2010 1752

DATA REPORTING QUALIFIERS

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
GC Semi VOA		
	U	Indicates that the compound was analyzed for but not detected.
Metals		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Method Blank - Batch: 660-90011

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-90011/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1143
Date Prepared: 01/28/2010 1143

Analysis Batch: 660-90011
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JA2809.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Acetone	9.9	U	9.9	20
Acrylonitrile	1.2	U	1.2	100
Benzene	0.50	U	0.50	1.0
Chlorobromomethane	0.58	U	0.58	1.0
Dichlorobromomethane	0.35	U	0.35	1.0
Bromoform	0.58	U	0.58	1.0
Carbon disulfide	0.85	U	0.85	1.0
Carbon tetrachloride	0.42	U	0.42	1.0
Chlorobenzene	0.63	U	0.63	1.0
Chloroethane	2.5	U	2.5	5.0
Chloroform	0.90	U	0.90	1.0
Chlorodibromomethane	0.34	U	0.34	1.0
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	5.0
Ethylene Dibromide	0.50	U	0.50	1.0
1,2-Dichlorobenzene	0.44	U	0.44	1.0
1,4-Dichlorobenzene	0.52	U	0.52	1.0
trans-1,4-Dichloro-2-butene	2.5	U	2.5	10
1,1-Dichloroethane	0.52	U	0.52	1.0
1,2-Dichloroethane	0.57	U	0.57	1.0
1,1-Dichloroethene	0.45	U	0.45	1.0
cis-1,2-Dichloroethene	0.65	U	0.65	1.0
trans-1,2-Dichloroethene	0.44	U	0.44	1.0
1,2-Dichloropropane	0.52	U	0.52	1.0
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.14	U	0.14	1.0
Ethylbenzene	0.44	U	0.44	1.0
2-Hexanone	4.4	U	4.4	10
Bromomethane	2.5	U	2.5	5.0
Chloromethane	1.0	U	1.0	4.0
Dibromomethane	0.41	U	0.41	1.0
Methylene Chloride	4.0	U	4.0	5.0
2-Butanone (MEK)	8.4	U	8.4	10
Iodomethane	2.5	U	2.5	5.0
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	10
Styrene	0.98	U	0.98	2.0
1,1,1,2-Tetrachloroethane	0.63	U	0.63	1.0
1,1,2,2-Tetrachloroethane	0.15	U	0.15	1.0
Tetrachloroethene	0.50	U	0.50	1.0
Toluene	0.51	U	0.51	1.0
1,1,1-Trichloroethane	0.46	U	0.46	1.0
1,1,2-Trichloroethane	0.47	U	0.47	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Method Blank - Batch: 660-90011

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-90011/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1143
Date Prepared: 01/28/2010 1143

Analysis Batch: 660-90011
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JA2809.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Trichloroethene	0.50	U	0.50	1.0
Trichlorofluoromethane	2.5	U	2.5	5.0
1,2,3-Trichloropropane	0.18	U	0.18	1.0
Vinyl acetate	1.5	U	1.5	10
Vinyl chloride	0.50	U	0.50	1.0
Xylenes, Total	0.50	U	0.50	3.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	111	70 - 130
4-Bromofluorobenzene	111	70 - 130
Dibromofluoromethane	104	70 - 130
Toluene-d8 (Surr)	106	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Lab Control Sample - Batch: 660-90011

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 660-90011/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 0948
Date Prepared: 01/28/2010 0948

Analysis Batch: 660-90011
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JA2804.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	100	111	111	62 - 142	
Acrylonitrile	200	160	80	10 - 183	
Benzene	20.0	16.9	85	64 - 140	
Chlorobromomethane	20.0	16.9	85	59 - 130	
Dichlorobromomethane	20.0	17.5	88	70 - 130	
Bromoform	20.0	16.4	82	65 - 130	
Carbon disulfide	10.0	7.39	74	30 - 184	
Carbon tetrachloride	20.0	14.8	74	53 - 145	
Chlorobenzene	20.0	16.4	82	70 - 130	
Chloroethane	20.0	22.5	113	39 - 174	
Chloroform	20.0	17.5	87	59 - 130	
Chlorodibromomethane	20.0	16.3	82	70 - 130	
1,2-Dibromo-3-Chloropropane	20.0	18.2	91	52 - 130	
Ethylene Dibromide	20.0	17.4	87	65 - 130	
1,2-Dichlorobenzene	20.0	18.6	93	70 - 130	
1,4-Dichlorobenzene	20.0	17.5	87	70 - 130	
trans-1,4-Dichloro-2-butene	20.0	21.5	108	70 - 130	
1,1-Dichloroethane	20.0	15.8	79	60 - 132	
1,2-Dichloroethane	20.0	18.9	95	70 - 130	
1,1-Dichloroethene	20.0	13.2	66	51 - 157	
cis-1,2-Dichloroethene	20.0	17.9	89	61 - 130	
trans-1,2-Dichloroethene	20.0	15.0	75	55 - 145	
1,2-Dichloropropane	20.0	16.5	83	70 - 130	
cis-1,3-Dichloropropene	20.0	17.3	86	70 - 130	
trans-1,3-Dichloropropene	20.0	16.3	81	62 - 130	
Ethylbenzene	20.0	17.0	85	69 - 131	
2-Hexanone	100	91.6	92	57 - 148	
Bromomethane	20.0	15.7	78	14 - 184	
Chloromethane	20.0	20.8	104	35 - 153	
Dibromomethane	20.0	17.5	88	70 - 130	
Methylene Chloride	20.0	17.0	85	57 - 130	
2-Butanone (MEK)	100	90.5	90	63 - 140	
Iodomethane	20.0	12.8	64	70 - 130	J3
4-Methyl-2-pentanone (MIBK)	100	93.5	94	64 - 137	
Styrene	20.0	16.8	84	62 - 136	
1,1,1,2-Tetrachloroethane	20.0	15.9	80	70 - 130	
1,1,2,2-Tetrachloroethane	20.0	19.5	98	67 - 130	
Tetrachloroethene	20.0	12.8	64	47 - 143	
Toluene	20.0	15.0	75	70 - 131	
1,1,1-Trichloroethane	20.0	15.5	78	57 - 135	
1,1,2-Trichloroethane	20.0	16.8	84	69 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Lab Control Sample - Batch: 660-90011

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 660-90011/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 0948
Date Prepared: 01/28/2010 0948

Analysis Batch: 660-90011
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JA2804.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Trichloroethene	20.0	14.8	74	59 - 142	
Trichlorofluoromethane	20.0	17.4	87	62 - 147	
1,2,3-Trichloropropane	20.0	17.7	88	62 - 130	
Vinyl acetate	37.1	29.1	78	10 - 166	
Vinyl chloride	20.0	15.4	77	48 - 147	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Matrix Spike - Batch: 660-90011

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33514-C-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1511
Date Prepared: 01/28/2010 1511

Analysis Batch: 660-90011
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JA2818.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Acetone	9.9	U	100	109	109	62 - 142	
Acrylonitrile	1.2	U	200	145	72	10 - 183	
Benzene	0.50	U	20.0	20.1	100	64 - 140	
Chlorobromomethane	0.58	U	20.0	18.3	92	59 - 130	
Dichlorobromomethane	13		20.0	34.5	106	70 - 130	
Bromoform	7.0		20.0	19.9	64	65 - 130	J3
Carbon disulfide	0.85	U	10.0	8.72	87	30 - 184	
Carbon tetrachloride	0.42	U	20.0	17.5	87	53 - 145	
Chlorobenzene	0.63	U	20.0	18.7	94	70 - 130	
Chloroethane	2.5	U	20.0	20.3	102	39 - 174	
Chloroform	8.3		20.0	28.2	99	59 - 130	
Chlorodibromomethane	9.7		20.0	25.7	80	70 - 130	
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	18.3	92	52 - 130	
Ethylene Dibromide	0.50	U	20.0	17.9	90	65 - 130	
1,2-Dichlorobenzene	0.44	U	20.0	21.0	105	70 - 130	
1,4-Dichlorobenzene	0.52	U	20.0	19.6	98	70 - 130	
trans-1,4-Dichloro-2-butene	2.5	U	20.0	22.5	113	70 - 130	
1,1-Dichloroethane	0.52	U	20.0	19.0	95	60 - 132	
1,2-Dichloroethane	0.57	U	20.0	21.2	106	70 - 130	
1,1-Dichloroethene	0.45	U	20.0	15.7	79	51 - 157	
cis-1,2-Dichloroethene	0.65	U	20.0	20.8	104	61 - 130	
trans-1,2-Dichloroethene	0.44	U	20.0	18.1	90	55 - 145	
1,2-Dichloropropane	0.52	U	20.0	19.6	98	70 - 130	
cis-1,3-Dichloropropene	0.14	U	20.0	19.1	96	70 - 130	
trans-1,3-Dichloropropene	0.14	U	20.0	18.0	90	62 - 130	
Ethylbenzene	0.44	U	20.0	19.2	96	69 - 131	
2-Hexanone	4.4	U	100	88.3	88	57 - 148	
Bromomethane	2.5	U	20.0	15.4	77	14 - 184	
Chloromethane	1.0	U	20.0	28.5	143	35 - 153	
Dibromomethane	0.41	U	20.0	19.4	97	70 - 130	
Methylene Chloride	4.0	U	20.0	14.6	73	57 - 130	
2-Butanone (MEK)	8.4	U	100	84.8	85	63 - 140	
Iodomethane	2.5	U	20.0	13.9	70	70 - 130	
4-Methyl-2-pentanone (MIBK)	3.8	U	100	91.4	91	64 - 137	
Styrene	0.98	U	20.0	19.6	98	62 - 136	
1,1,1,2-Tetrachloroethane	0.63	U	20.0	18.7	93	70 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Matrix Spike - Batch: 660-90011

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33514-C-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1511
Date Prepared: 01/28/2010 1511

Analysis Batch: 660-90011
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JA2818.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
1,1,2,2-Tetrachloroethane	0.15	U	20.0	21.3	107	67 - 130	
Tetrachloroethene	0.50	U	20.0	13.1	65	47 - 143	
Toluene	0.51	U	20.0	17.9	89	70 - 131	
1,1,1-Trichloroethane	0.46	U	20.0	18.0	90	57 - 135	
1,1,2-Trichloroethane	0.47	U	20.0	18.7	94	69 - 130	
Trichloroethene	0.50	U	20.0	17.6	88	59 - 142	
Trichlorofluoromethane	2.5	U	20.0	19.1	96	62 - 147	
1,2,3-Trichloropropane	0.18	U	20.0	19.8	99	62 - 130	
Vinyl acetate	1.5	U	37.1	30.3	82	10 - 166	
Vinyl chloride	0.50	U	20.0	18.1	91	48 - 147	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Duplicate - Batch: 660-90011

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33514-C-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1445
Date Prepared: 01/28/2010 1445

Analysis Batch: 660-90011
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JA2817.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Acetone	9.9	U	9.9	NC	30	U
Acrylonitrile	1.2	U	1.2	NC	30	U
Benzene	0.50	U	0.50	NC	30	U
Chlorobromomethane	0.58	U	0.58	NC	30	U
Dichlorobromomethane	13		12.1	9	30	
Bromoform	7.0		6.84	3	30	
Carbon disulfide	0.85	U	0.85	NC	30	U
Carbon tetrachloride	0.42	U	0.42	NC	30	U
Chlorobenzene	0.63	U	0.63	NC	30	U
Chloroethane	2.5	U	2.5	NC	30	U
Chloroform	8.3		7.98	4	30	
Chlorodibromomethane	9.7		8.91	8	30	
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	NC	30	U
Ethylene Dibromide	0.50	U	0.50	NC	30	U
1,2-Dichlorobenzene	0.44	U	0.44	NC	30	U
1,4-Dichlorobenzene	0.52	U	0.52	NC	30	U
trans-1,4-Dichloro-2-butene	2.5	U	2.5	NC	30	U
1,1-Dichloroethane	0.52	U	0.52	NC	30	U
1,2-Dichloroethane	0.57	U	0.57	NC	30	U
1,1-Dichloroethene	0.45	U	0.45	NC	30	U
cis-1,2-Dichloroethene	0.65	U	0.65	NC	30	U
trans-1,2-Dichloroethene	0.44	U	0.44	NC	30	U
1,2-Dichloropropane	0.52	U	0.52	NC	30	U
cis-1,3-Dichloropropene	0.14	U	0.14	NC	30	U
trans-1,3-Dichloropropene	0.14	U	0.14	NC	30	U
Ethylbenzene	0.44	U	0.44	NC	30	U
2-Hexanone	4.4	U	4.4	NC	30	U
Bromomethane	2.5	U	2.5	NC	30	U
Chloromethane	1.0	U	1.0	NC	30	U
Dibromomethane	0.41	U	0.41	NC	30	U
Methylene Chloride	4.0	U	4.0	NC	30	U
2-Butanone (MEK)	8.4	U	8.4	NC	30	U
Iodomethane	2.5	U	2.5	NC	30	U J3
4-Methyl-2-pentanone (MIBK)	3.8	U	3.8	NC	30	U
Styrene	0.98	U	0.98	NC	30	U
1,1,1,2-Tetrachloroethane	0.63	U	0.63	NC	30	U
1,1,2,2-Tetrachloroethane	0.15	U	0.15	NC	30	U
Tetrachloroethene	0.50	U	0.50	NC	30	U
Toluene	0.51	U	0.51	NC	30	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Duplicate - Batch: 660-90011

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-33514-C-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1445
Date Prepared: 01/28/2010 1445

Analysis Batch: 660-90011
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMJ5975
Lab File ID: 1JA2817.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
1,1,1-Trichloroethane	0.46	U	0.46	NC	30	U
1,1,2-Trichloroethane	0.47	U	0.47	NC	30	U
Trichloroethene	0.50	U	0.50	NC	30	U
Trichlorofluoromethane	2.5	U	2.5	NC	30	U
1,2,3-Trichloropropane	0.18	U	0.18	NC	30	U
Vinyl acetate	1.5	U	1.5	NC	30	U
Vinyl chloride	0.50	U	0.50	NC	30	U
Xylenes, Total	0.50	U	0.50	NC	30	U

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	110	70 - 130
Dibromofluoromethane	109	70 - 130
Toluene-d8 (Surr)	105	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Method Blank - Batch: 660-90069

Method: 8011
Preparation: 8011

Lab Sample ID: MB 660-90069/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1741
Date Prepared: 01/28/2010 1430

Analysis Batch: 660-90072
Prep Batch: 660-90069
Units: ug/L

Instrument ID: BSGU
Lab File ID: 1A28U013.D
Initial Weight/Volume: 34.7964 g
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
1,2-Dibromo-3-Chloropropane	0.010	U	0.010	0.020
Ethylene Dibromide	0.010	U	0.010	0.020

Surrogate	% Rec	Acceptance Limits
1,1,1,2-Tetrachloroethane	86	60 - 140

Lab Control Sample - Batch: 660-90069

Method: 8011
Preparation: 8011

Lab Sample ID: LCS 660-90069/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1801
Date Prepared: 01/28/2010 1430

Analysis Batch: 660-90072
Prep Batch: 660-90069
Units: ug/L

Instrument ID: BSGU
Lab File ID: 1A28U014.D
Initial Weight/Volume: 34.7006 g
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2-Dibromo-3-Chloropropane	0.252	0.216	86	60 - 140	
Ethylene Dibromide	0.252	0.224	89	60 - 140	

Matrix Spike - Batch: 660-90069

Method: 8011
Preparation: 8011

Lab Sample ID: 660-33498-H-4-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1842
Date Prepared: 01/28/2010 1430

Analysis Batch: 660-90072
Prep Batch: 660-90069
Units: ug/L

Instrument ID: BSGU
Lab File ID: 1A28U016.D
Initial Weight/Volume: 36.1711 g
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
1,2-Dibromo-3-Chloropropane	0.010	U	0.242	0.192	79	60 - 140	
Ethylene Dibromide	0.010	U	0.242	0.202	83	60 - 140	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Duplicate - Batch: 660-90069

Method: 8011
Preparation: 8011

Lab Sample ID: 660-33511-H-4-B DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 2326
Date Prepared: 01/28/2010 1430

Analysis Batch: 660-90072
Prep Batch: 660-90069
Units: ug/L

Instrument ID: BSGU
Lab File ID: 1A28U030.D
Initial Weight/Volume: 35.8355 g
Final Weight/Volume: 2.0 mL
Injection Volume: 4 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
1,2-Dibromo-3-Chloropropane	0.010	U	0.0098	NC	40	U
Ethylene Dibromide	0.010	U	0.0098	NC	40	U

Surrogate	% Rec	Acceptance Limits
1,1,1,2-Tetrachloroethane	95	60 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Method Blank - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 680-159398/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1630
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398
Units: mg/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Sodium	0.25	U	0.25	0.50

Method Blank - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: MB 680-159398/16-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1630
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398
Units: ug/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	PQL
Antimony	2.3	U	2.3	5.0
Arsenic	1.3	U	1.3	2.5
Barium	1.3	U	1.3	5.0
Beryllium	0.25	U	0.25	0.50
Lead	0.20	U	0.20	1.5
Selenium	1.0	U	1.0	2.5
Cadmium	0.095	U	0.095	0.50
Silver	0.25	U	0.25	1.0
Chromium	2.5	U	2.5	5.0
Nickel	2.0	U	2.0	5.0
Cobalt	0.15	U	0.15	0.50
Copper	1.1	U	1.1	5.0
Iron	33	U	33	100
Vanadium	3.8	U	3.8	10
Zinc	8.3	U	8.3	20
Thallium	0.50	U	0.50	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Lab Control Sample - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 680-159398/17-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1636
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398
Units: mg/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sodium	5.00	5.47	109	75 - 125	

Lab Control Sample - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

Lab Sample ID: LCS 680-159398/17-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1636
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398
Units: ug/L

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	50.0	51.2	102	75 - 125	
Arsenic	100	111	111	75 - 125	
Barium	100	102	102	75 - 125	
Beryllium	50.0	50.2	100	75 - 125	
Lead	50.0	49.7	99	75 - 125	
Selenium	100	109	109	75 - 125	
Cadmium	50.0	52.3	105	75 - 125	
Silver	50.0	49.1	98	75 - 125	
Chromium	100	103	103	75 - 125	
Nickel	100	106	106	75 - 125	
Cobalt	50.0	48.4	97	75 - 125	
Copper	100	105	105	75 - 125	
Iron	5000	5440	109	75 - 125	
Vanadium	100	102	102	75 - 125	
Zinc	100	112	112	75 - 125	
Thallium	40.0	41.5	104	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

MS Lab Sample ID:	660-33512-1	Analysis Batch: 680-159526	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159398	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/28/2010 1845		Final Weight/Volume: 250 mL
Date Prepared:	01/28/2010 1115		

MSD Lab Sample ID:	660-33512-1	Analysis Batch: 680-159526	Instrument ID: ICPMSA
Client Matrix:	Water	Prep Batch: 680-159398	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/28/2010 1852		Final Weight/Volume: 250 mL
Date Prepared:	01/28/2010 1115		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sodium	111	130	75 - 125	4	20		J3

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-159398

Method: 6020
Preparation: 3005A
Total Recoverable

MS Lab Sample ID: 660-33512-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1845
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

MSD Lab Sample ID: 660-33512-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 1852
Date Prepared: 01/28/2010 1115

Analysis Batch: 680-159526
Prep Batch: 680-159398

Instrument ID: ICPMSA
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	107	109	75 - 125	2	20		
Arsenic	114	116	75 - 125	2	20		
Barium	107	110	75 - 125	2	20		
Beryllium	108	108	75 - 125	0	20		
Lead	102	104	75 - 125	2	20		
Selenium	111	115	75 - 125	3	20		
Cadmium	110	110	75 - 125	0	20		
Silver	102	104	75 - 125	2	20		
Chromium	107	111	75 - 125	4	20		
Nickel	109	112	75 - 125	3	20		
Cobalt	100	102	75 - 125	1	20		
Copper	110	113	75 - 125	3	20		
Iron	112	115	75 - 125	3	20		
Vanadium	106	110	75 - 125	3	20		
Zinc	114	113	75 - 125	1	20		
Thallium	108	110	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Method Blank - Batch: 680-160674

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 680-160674/20-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1752
Date Prepared: 02/12/2010 1308

Analysis Batch: 680-160942
Prep Batch: 680-160674
Units: ug/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Mercury	0.091	U	0.091	0.20

Lab Control Sample - Batch: 680-160674

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 680-160674/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1755
Date Prepared: 02/12/2010 1308

Analysis Batch: 680-160942
Prep Batch: 680-160674
Units: ug/L

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	2.50	2.58	103	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-160674

Method: 7470A
Preparation: 7470A

MS Lab Sample ID: 660-33498-A-6-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1844
Date Prepared: 02/12/2010 1308

Analysis Batch: 680-160942
Prep Batch: 680-160674

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-33498-A-6-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/16/2010 1848
Date Prepared: 02/12/2010 1308

Analysis Batch: 680-160942
Prep Batch: 680-160674

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	101	98	80 - 120	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Method Blank - Batch: 660-89993

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-89993/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2010 1433
Date Prepared: N/A

Analysis Batch: 660-89993
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-89993

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-89993/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2010 1450
Date Prepared: N/A

Analysis Batch: 660-89993
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	10.0	10.3	103	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-89993

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-33511-F-1 MS ^2
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 01/27/2010 1855
Date Prepared: N/A

Analysis Batch: 660-89993
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 660-33511-F-1 MSD ^2
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 01/27/2010 1913
Date Prepared: N/A

Analysis Batch: 660-89993
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	94	94	90 - 110	0	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Method Blank - Batch: 660-90114

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 660-90114/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1206
Date Prepared: N/A

Analysis Batch: 660-90114
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	PQL
Ammonia (as N)	0.010	U	0.010	0.020

Lab Control Sample - Batch: 660-90114

Method: 350.1
Preparation: N/A

Lab Sample ID: LCS 660-90114/12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1207
Date Prepared: N/A

Analysis Batch: 660-90114
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia (as N)	0.500	0.526	105	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-90114

Method: 350.1
Preparation: N/A

MS Lab Sample ID: 660-33509-A-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1209
Date Prepared: N/A

Analysis Batch: 660-90114
Prep Batch: N/A

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 660-33509-A-1 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2010 1211
Date Prepared: N/A

Analysis Batch: 660-90114
Prep Batch: N/A

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Ammonia (as N)	87	89	90 - 110	1	30	J3	J3

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Method Blank - Batch: 660-89964

Method: 353.2
Preparation: N/A

Lab Sample ID: MB 660-89964/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2010 0846
Date Prepared: N/A

Analysis Batch: 660-89964
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	PQL
Nitrate Nitrite as N	0.10	U	0.10	0.50
Nitrite as N	0.10	U	0.10	0.50
Nitrate as N	0.10	U	0.10	0.50

Lab Control Sample - Batch: 660-89964

Method: 353.2
Preparation: N/A

Lab Sample ID: LCS 660-89964/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2010 0846
Date Prepared: N/A

Analysis Batch: 660-89964
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate Nitrite as N	1.00	0.964	96	90 - 110	
Nitrite as N	1.00	0.978	98	90 - 110	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-89964

Method: 353.2
Preparation: N/A

MS Lab Sample ID:	660-33511-F-3 MS	Analysis Batch: 660-89964	Instrument ID: LACHAT
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/27/2010 1442		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

MSD Lab Sample ID:	660-33511-F-3 MSD	Analysis Batch: 660-89964	Instrument ID: LACHAT
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	01/27/2010 1442		Final Weight/Volume: 50 mL
Date Prepared:	N/A		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrate Nitrite as N	77	66	90 - 110	15	30	J3	J3
Nitrite as N	84	79	90 - 110	5	30	J3	J3

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Method Blank - Batch: 660-89979

Method: SM 2540C
Preparation: N/A

Lab Sample ID: MB 660-89979/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 0734
Date Prepared: N/A

Analysis Batch: 660-89979
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	PQL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Lab Control Sample - Batch: 660-89979

Method: SM 2540C
Preparation: N/A

Lab Sample ID: LCS 660-89979/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 0734
Date Prepared: N/A

Analysis Batch: 660-89979
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	10000	9900	99	80 - 120	

Duplicate - Batch: 660-89979

Method: SM 2540C
Preparation: N/A

Lab Sample ID: 660-33509-G-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2010 0736
Date Prepared: N/A

Analysis Batch: 660-89979
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	400	402	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

DEP-SOP-001/01

TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: m-1

PAGE: 1 of 1

FS 2200 Groundwater Sampling

SITE NAME: CDM	SITE LOCATION: Leesburg
WELL NO: MW-7	SAMPLE ID:
	DATE: 1-26-10

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 117 feet to 137 feet	STATIC DEPTH TO WATER (feet): 122.45	PURGE PUMP TYPE OR BAILER: DBP

Measuring Point Elevation (ft/msl) - Water Level = Water Level Elevation

MP Elevation =

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
16.61 = (139.06 feet – 122.45 feet) X .16 gallons/foot = 2.65 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 138	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 138	PURGING INITIATED AT: 1551	PURGING ENDED AT: 1640	TOTAL VOLUME PURGED (gallons): 3.97

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
1624	2.65	2.65	.08	129.35	5.28	22.3	107	.37	3.78	clear	no	
1632	.66	3.31	.08	129.24	5.26	22.1	102	.38	4.61	↓	↓	
1640	.66	3.97	.08	130.10	5.25	22.1	100	.39	4.47	↓	↓	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan Reich	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1640	SAMPLING ENDED AT: 1655
PUMP OR TUBING DEPTH IN WELL (feet): 138	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: T	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
		See		COC				

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01

TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: M-1

PAGE: 1 of 1

FS 2200 Groundwater Sampling

SITE NAME: CDM	SITE LOCATION: Lecanto
WELL NO: MW-2	SAMPLE ID:
	DATE: 1-26-10

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 146 feet to 161 feet	STATIC DEPTH TO WATER (feet): 129.75	PURGE PUMP TYPE OR BAILER: PBP

Measuring Point Elevation (ft/msl) - Water Level = Water Level Elevation

MP Elevation =

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)

34.05 = (163.80 feet – 129.75 feet) X .16 gallons/foot = 5.45 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 157	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 157	PURGING INITIATED AT: 1708	PURGING ENDED AT: 1752	TOTAL VOLUME PURGED (gallons): 8.17

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
1744	5.45	5.45	.33	130.35	4.65	21.7	25	4.31	1.65	Clear	No	
1748	1.36	6.81	.33	130.35	4.61	21.7	24	4.38	1.75	↓	↓	
1752	1.36	8.17	.33	130.35	4.62	21.7	21	4.39	1.09	↓	↓	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan Reich	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1752	SAMPLING ENDED AT: 1758
PUMP OR TUBING DEPTH IN WELL (feet): 157	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: T	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
		See COC						

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Field Sampling Log

Date: 1-27-10

Client Name: CDM

Project: Citrus County Landfill

Sampling Hours: 22 hrs 35 mins

Miles: 180

~~45~~ 10 Micron Filters: 2

Other Expenses: n/A

Sampler Name: Ryan Reich

TestAmerica
6712 Benjamin Road, Suite 100
Tampa, FL 33634
813.885.7427(p) 813.885.7049 (fax)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Field Sampling Log

Date: 1-25-10, 1-26-10

Client Name: CDM

Project: Citrus County Landfill

Sampling Hours: 1-25-10 = 8.5 1-26-10 = 11

Miles: 340

45 Micron Filters: Ø

Other Expenses: Ø

Sampler Name: Shawn Victory

TestAmerica
6712 Benjamin Road, Suite 100
Tampa, FL 33634
813.885.7427(p) 813.885.7049 (fax)

Field Instrument Maintenance Logbook

TestAmerica, Analytical Testing Corp. 4310 East Anderson Road, Orlando, Florida 32812

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** Cyclone 5138 741

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP

☐ TURBIDITY ☐ RESIDUAL CL ☑ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A _____

Standard B _____

Standard C _____

	DATE (yy/mm/dd)	TIME (hr:min)	STD ~~(A, B, C)~~	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
D.O.	1-25-10	1000	16.1	9.88	16.1 / 9.85	.03	YES	INIT	[illegible]
D.O	1-26-10	954	16.0	9.80	16.0 / 9.80	0	YES	INIT	[illegible]

Field Instrument Maintenance Logbook

TestAmerica, Analytical Testing Corp. 4310 East Anderson Road, Orlando, Florida 32812

INSTRUMENT (MAKE/MODEL#) YSI 556MPS **INSTRUMENT #** Cyclone-5108741

PARAMETER: *[check only one]*

- ☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☑ pH ☐ ORP
- ☐ TURBIDITY ☐ RESIDUAL CL ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A Fisher Buffer Solution ph 7.00 Lot 092920 exp 06/11

Standard B Fisher Buffer Solution ph 4.00 Lot 093748 exp-07/11

Standard C _____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
1-25-10	1005	A	7.00	7.01	.01	YES	INIT	[illegible]
↓	↓	B	4.00	4.01	.01	↓	↓	[illegible]
1-26-10	957	A	7.00	7.00	0	YES	INIT	[illegible]
↓	↓	B	4.00	4.02	.02	↓	↓	[illegible]

Field Instrument Maintenance Logbook

TestAmerica, Analytical Testing Corp. 4310 East Anderson Road, Orlando, Florida 32812

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** Cyclone-51387A1

PARAMETER: *[check only one]*

- ☐ TEMPERATURE
- ☑ CONDUCTIVITY
- ☐ SALINITY
- ☐ pH
- ☐ ORP
- ☐ TURBIDITY
- ☐ RESIDUAL CL
- ☐ DO
- ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A Conductivity Standard 100 me lot 2903659 3/11

Standard B Conductivity Standard 1000 me lot 2903689 3/11

Standard C _____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
1-25-10	1006	A	100	100	0	YES	INIT	[illegible]
↓	↓	B	1000	1000	0	↓	↓	[illegible]
1-26-10	1001	A	100	95	5	NO	CONT	[illegible]
↓	↓	B	1000	1000	0	YES	INIT	[illegible]

Field Instrument Maintenance Logbook

TestAmerica, Analytical Testing Corp. 4310 East Anderson Road, Orlando, Florida 32812

INSTRUMENT (MAKE/MODEL#) Hach 2100P Turbidimeter **INSTRUMENT #** 2

PARAMETER: *[check only one]*

- ☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
- ☑ TURBIDITY ☐ RESIDUAL CL ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A Hach Turbidity Standards kit cat A8018 .16 NTU

Standard B ↓ ↓ ↓ ↓ ↓ 20 NTU

Standard C 100 NTU

D 800 NTU

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
1-25-10	1010	A	.16	.21	.05	NO	CONT	N
↓	↓	B	20	18.5	1.5	↓	↓	↓
↓	↓	C	100	95	5	↓	↓	↓
↓	↓	D	800	786	16	↓	↓	↓
1-26-10	1015	A	.16	.21	.05	NO	CONT	N
↓	↓	B	20	18.5	1.5	↓	↓	↓
↓	↓	C	100	96	4	↓	↓	↓
↓	↓	D	800	785	15	↓	↓	↓

TestAmerica Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

660-33512

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Ryan Reich	Lab PM: Beato, Judith	Carrier Tracking No(s):
Client Contact: Mr. David Rojas	Phone: 407-453-3076	E-Mail: judith.beato@testamericainc.com	COC No: 660-27103.1
Company: Camp Dresser & McKee Inc			Page:
Address: 1715 North Westshore Blvd. Suite 875	Due Date Requested:		Job #:
City: Tampa	TAT Requested (days):		
State, Zip: FL, 33607			
Phone:	PO #: Purchase Order Requested		
Email: rojasdr@cdm.com	WO #:		
Project Name: Background & compliance wells	Project #: 66002518		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 - Ammonia (as N)	6020 - Appendix 1 Metals + Iron, Mercury and So	8260B - 8260 Appendix I Compounds	Chloride, Nitrate	2540C - Total Dissolved Solids	8011 - EDB, DBCP, and 123TCP	6020 - Dissolved Appendix 1 Metals + Iron, Merc	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	D	N	N	N	N	D		
MW-1	1-26-10	1055	G	Water	N		1	1	3	1	1	3			run dissolved metals if turbidity is > 5
MW-2	1-26-10	1758	G	Water	N		1	1	3	1	1	3			
Trip Blank rec'd KJH 1-27-10				Water					4						
				Water											
				Water											
				Water											
				Water											
				Water											
				Water											
				Water											
				Water											

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 1-26-10/1805	Company: TA	Received by: David R Rojas	Date/Time: 1-26-10/1805	Company: CDM
Relinquished by: David R Rojas	Date/Time: 1-27-10/0825	Company: CDM	Received by: Amy [illegible]	Date/Time: 1/27/10 825	Company: TA Tampa
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 2.7°C U-07

02/19/2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PRESERVATION CONFIRMATION FORM

Tampa, FL

JOB NUMBER: 660-33512 Logged in TALS By : Charles Volz

Cooler Received on (date) 1-27-10 And Opened By (full name): Charles Volz

1. Shipper (circle one) FEDEX UPS DHL WALK-IN COURIER OTHER: _____

2. Tracking # _____

3. Temperature of rep. sample or temp blank when opened: 2.7°C cw-07 Degrees Celsius

4. Number of H2SO4 (sulfuric acid) preserved containers: 2 yes

   All containers pH < 2 ? yes If not please comment below:

5. Number of HCL (hydrochloric acid) preserved containers: _____

   All containers pH < 2 ? _____ If not please comment below:

6. Number of HNO3 (nitric acid) preserved containers: 2

   All containers pH < 2 ? yes If not please comment below:

7. Number of NaOH (sodium hydroxide) preserved containers: 2 cw 1-27-10

   All containers pH >12 ? _____ If not please comment below:

8. Number of Unpreserved containers: 4

   All containers pH between 6 and 8? yes If not please comment below:

9. Was chlorine present in any of the unpreserved containers? NV

   If yes, which samples? _____

Login Sample Receipt Check List

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Login Number: 33512
Creator: Volz, Charles
List Number: 1

List Source: TestAmerica Tampa

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7 Degrees C. CU-07
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: Camp Dresser & McKee Inc

Job Number: 660-33512-1

Login Number: 33512
Creator: Lanier, Herbert D
List Number: 1

List Source: TestAmerica Savannah
List Creation: 01/28/10 10:44 AM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	False	
Sample Preservation Verified	True	