CDM Smith

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September 21, 2012

Mr. John Morris, P.G.
Solid Waste Section
Florida Department of Environmental Protection
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

Subject: Second Semi-Annual Groundwater Monitoring Report 2012
Citrus County Central Class I Landfill
WACS ID# SWD/09/39859
Permit No. 21375-018-SO/01
CDM Smith Project #71138-85191

Dear Mr. Morris:

On behalf of Citrus County, and as stipulated in the Operations Permit issued on June 4, 2012, CDM Smith is providing the following report documenting the groundwater analytical results from the Second Semi-Annual groundwater sampling event in 2012 at the Citrus County Central Class I Landfill. The routine sampling event was performed from July 17 to July 19, 2012 and a re-sampling event was performed on August 23, 2012. Attached are two copies of the report. Appendix A of the report contains a CD with electronic files associated with the report, which includes laboratory analytical reports and ADaPT files. The ADaPT EDD files have also been forwarded by e-mail to Clark Moore's attention at Clark.B.More@dep.state.fl.us in the FDEP Tallahassee office.

Please contact me if you have any questions or need additional information.

Sincerely,

David R. Rojas, P.G.
Environmental Scientist
CDM Smith Inc.

Attachments

cc: Casey Stephens, Citrus County SW Management Director w/attachment
Aamod Sonawane, CDM Smith w/attachment

Citrus County, Florida

Citrus County Central Class I Landfill
Facility WACS# SWD/09/39859
Permit# 21375-018-SO/01
Second Semi-Annual
Groundwater Monitoring Report 2012

September 2012

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David R. Rojas 9-21-12

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Florida Professional Geologist No. 2362

Citrus County, Florida
Citrus County Central Class I Landfill
Facility WACS # SWD/09/39859
Permit# 21375-018-SO/01
Second Semi-Annual Groundwater Monitoring Report 2012

September 2012



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CDM Smith

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Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(31), F.A.C
Form Title: Water Quality Monitoring Certification
Effective Date: January 6, 2010
Incorporated in Rule 62-701.510(9), F.A.C.

WATER QUALITY MONITORING CERTIFICATION

PART I GENERAL INFORMATION

(1) Facility Name Citrus County Central Class I Landfill

Address P.O. Box 340

City Lecanto Zip 34460-0340 County Citrus

Telephone Number (352) 527-7670

(2) WACS Facility ID SWD/09/39859

(3) DEP Permit Number 21375-018-SO/01

(4) Authorized Representative's Name David R. Rojas, P.G. w/CDM Smith Title Environmental Scientist

Address 1715 N. West Shore Blvd. Suite 875

City Tampa Zip 33607 County Hillsborough

Telephone Number (813) 281-2900

Email address (if available) Rojasdr@cdmsmith.com

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submission of false information including the possibility of fine and imprisonment.

9-21-12
(Date)

David R. Rojas
(Owner or Authorized Representative's Signature)

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization TestAmerica Laboratories, Inc.

Analytical Lab NELAC / HRS Certification # Tpa - E84282, Tal - E81005, Orlando - E83012, & Savannah GA - E87052

Lab Name TestAmerica Laboratories, Inc.

Address 6712 Benjamin Road, Suite 100, Tampa, FL 33634

Phone Number (813) 885-7427

Email address (if available) www.testamericainc.com

Section 1
Summary

The second semi-annual groundwater sampling event for 2012 was performed on July 17, 18, and 19, 2012. A re-sampling event was performed on August 23, 2012 to re-collect groundwater samples from two of the monitor wells sampled in July 2012 (MW-20 & MW-21) and to collect another groundwater sample from MW-6 to comply with the conditions established by Florida Department of Environmental Protection (FDEP) in an e-mail dated July 9, 2012, regarding Emergency Final Order OGC No. 12-1264. Personnel from TestAmerica Laboratories, Inc. (TestAmerica) collected and analyzed all of the groundwater samples. Samples collected during the July 2012 sampling event were analyzed in accordance with Specific Condition E.4 of the current operation permit (21375-018-SO/01). Groundwater samples collected on August 23, 2012 from monitor wells MW-20 & MW-21 during the re-sampling event were analyzed for specific parameters to verify the results obtained from the sampling performed in July 2012. The sample collected from MW-20 was analyzed for total iron. The sample collected from MW-21 was analyzed for total iron, dissolved iron, and benzene. The groundwater sample collected on August 23, 2012 from monitor well MW-6 was analyzed for the monitoring parameters listed in the operation permit for this well; however, only the fecal coliform result is presented in this report. The complete results of the groundwater sample collected from MW-6 on August 23, 2012, will be presented to FDEP under a separate cover by Citrus County, and are not presented in this report.

The current permit (21375-018-SO/01) requires 14 monitor wells (MW-3, MW-6, MW-7, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-17, MW-18, MW-19, MW-20 & MW-21) be sampled semi-annually. In addition, static groundwater level measurements are required to be collected in these 14 wells and 11 piezometers (MW-1R, MW-2, 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 to be analyzed, but are collected under the supervision of SCS Engineers (SCS) and the results of the analyses are reported separately.

Surface water is only required to be sampled if there is a discharge from the Citrus County Central Landfill stormwater management system. Because there were no discharge events from the stormwater management system during this reporting period, no surface water samples were collected.

Section 2
Groundwater Contours

Static water levels were measured in the eleven piezometers and fourteen monitor wells stipulated in the operating permit. All of the wells and piezometers are completed in the Floridan Aquifer. The static water level measurements and calculated elevations were used in preparing a groundwater contour map for the site. The static water level elevations are provided in **Table 2-1**. Groundwater contours for the Floridan Aquifer are shown on **Figure 2-1**.

Table 2-1. July 2012 Water Level Data

Monitor Well ID	Tasks in 1/2012 Sampling Event	Casing Size (in)	Top of Casing Elev. (NGVD)	Water Levels Measured In July 2012			
				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	98.79	7.32	NS	NS
MW-B	WL only	4	113.46	105.78	7.68	NS	NS
MW-E	WL only	2	109.51	102.20	7.31	NS	NS
MW-1R	WL only	2	118.08	109.35	8.73	NS	NS
MW-2	WL only	2	136.19	129.42	6.77	NS	NS
MW-3	GW Sample & WL	2	120.47	109.45	11.02	109.62	10.85
MW-5	WL only	2	121.14	113.78	7.36	NS	NS
MW-6	GW Sample & WL	2	118.48	111.02	7.46	110.95	7.53
MW-7	GW Sample & WL	2	128.66	121.58	7.08	121.60	7.06
MW-8R	WL only	2	118.08	110.84	7.24	NS	NS
MW-9	WL only	2	113.46	106.17	7.29	NS	NS
MW-10	GW Sample & WL	2	114.20	105.39	8.81	105.38	8.82
MW-11	GW Sample & WL	2	105.21	97.61	7.60	97.62	7.59
MW-12	GW Sample & WL	2	104.01	96.28	7.73	96.24	7.77
MW-13	GW Sample & WL	2	112.61	105.21	7.40	105.19	7.42
MW-14	GW Sample & WL	2	109.12	101.39	7.73	101.40	7.72
MW-15	GW Sample & WL	2	124.21	117.04	7.17	117.02	7.19
MW-16	WL only	2	120.31	112.24	8.07	NS	NS
MW-17	GW Sample & WL	2	111.55	103.50	8.05	103.47	8.08
MW-18	GW Sample & WL	2	116.41	105.02	11.39	105.01	11.40
MW-19	GW Sample & WL	2	114.16	105.48	8.68	105.50	8.66
MW-20	GW Sample & WL	2	119.74	112.09	7.65	112.18	7.56
MW-21	GW Sample & WL	2	115.63	107.75	7.88	107.80	7.83
PZ-1	WL only	2	111.56	103.84	7.72	NS	NS
PZ-2	WL only	2	117.32	109.89	7.43	NS	NS

NOTES:

WL - Water Level

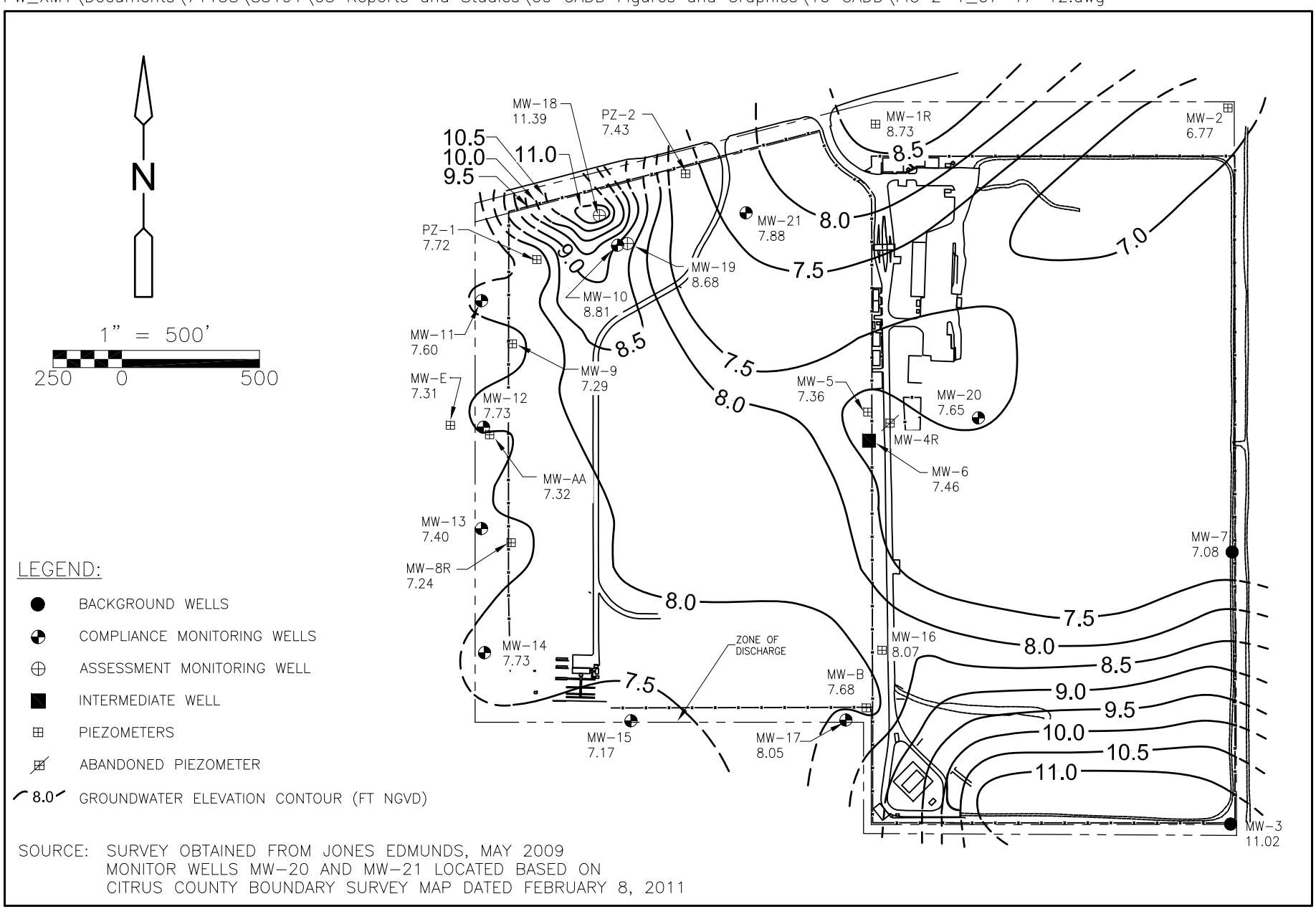
GW - Groundwater

NS - Not Sampled

Initial Round of Water Levels[1] - Static WLs collected from 9:46 to 16:52 on 7/17/12

USER: nunesal
DATE: Aug 30, 2012 5:30pm
PW_XM1\Documents\71138\85191\03 Reports and Studies\09 CADD Figures and Graphics\10 CADD\FIG 2-1_07-17-12.dwg

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SOURCE: SURVEY OBTAINED FROM JONES EDMUNDS, MAY 2009
MONITOR WELLS MW-20 AND MW-21 LOCATED BASED ON
CITRUS COUNTY BOUNDARY SURVEY MAP DATED FEBRUARY 8, 2011

CDM Smith

Figure No. 2-1
Groundwater Contour Map of Floridan Aquifer
Citrus County Central Landfill
Water Level Data Collected July 17, 2012

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 3-1**. A tabulation of exceedances of groundwater quality criterion is provided in **Table 3-2** and summarized below for each of the monitor wells sampled during the second semi-annual sampling event for 2012.

Table 3-1. Analytical Results of Detected Parameters Compared to Groundwater Standards

			FIELD READINGS							VOLATILE ORGANICS														GENERAL CHEMISTRY				
		PARAMETER	Color	pH	Temperature	Dissolved Oxygen	Specific Conductance	Turbidity NS - NTU		Water Level	Acetone	Benzene	Bromodichloromethane	Trihalomethanes	Chlorobenzene	Chloroform	Dibromochloramethane	1,4-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	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	6.3 mg/L***	1.0 ug/L*	0.6*** ug/L	80 ug/L*	100 ug/L*	70 ug/L***	0.4*** ug/L	75 ug/L*	70 ug/L***	70 ug/L***	30 ug/L**	5 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-3	7/18/2012		Clear	**4.69**	23.2	3.34	107	0.94	NA	109.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13	0.47	5.9	NA	80
MW-7	7/18/2012		Clear	**4.94**	23.7	0.22	80	1.40	NA	121.60	ND	0.96 I	ND	ND	ND	ND	ND	ND	ND	ND	9.2	ND	ND	ND	3.3	4.0	0.084	ND	NA	52
Compliance																														
MW-10	7/18/2012		Cloudy	**4.47**	23.7	0.31	51	38.7	3.04	105.38	ND	**1.7**	ND	ND	0.66 I	ND	ND	7.6	1.5	6.1	ND	4.6 I	ND	**2.5**	3.0	4.2	0.39	ND	NA	24
MW-11	7/17/2012		Clear	6.75	23.3	0.41	383	0.66	NA	97.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.0	0.35	1.1	NA	200
MW-12	7/17/2012		Clear	6.76	24.6	0.32	544	11.3	1.80	96.24	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	3.4	0.94	ND	NA	310
MW-13	7/17/2012		Clear	**5.29**	23.9	0.26	82	4.27	NA	105.19	ND	ND	ND	ND	ND	ND	ND	3.0	0.67 I	2.2	ND	ND	ND	0.72 I	ND	5.0	0.10	ND	NA	50
MW-14	7/17/2012		Clear	6.79	23.4	0.23	466	4.85	NA	101.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.6	0.16	ND	NA	280
MW-15	7/17/2012		Clear	**4.56**	22.5	0.15	47	3.91	NA	117.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	0.88 I	ND	ND	2.8	0.19	ND	NA	14.0
MW-17	7/17/2012		Clear	**4.69**	23.7	0.24	50	4.06	NA	103.47	ND	ND	ND	ND	ND	ND	ND	0.74 I	ND	ND	ND	ND	ND	ND	ND	5.2	ND	ND	NA	18
MW-20	7/18/2012		Clear	**5.49**	24.8	0.21	369	4.82	NA	112.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	1.8	ND	NA	180
MW-20	8/24/2012		Clear	**6.02**	24.8	0.17	500	3.83	NA	110.76	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-21	7/19/2012		Cloudy	**4.48**	24.5	0.31	66	30.9	0.64	107.80	ND	**1.8**	ND	ND	1.5	ND	ND	10	ND	1.8	1.3	ND	ND	0.84 I	2.2 I	4.2	1.5	ND	NA	20
MW-21	8/24/2012		Cloudy	**4.86**	23.9	0.30	71	32.2	0.98	107.05	NA	**1.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Piezometer																														
MW-1R	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	NA
MW-2	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	NA
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	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	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	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	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	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	NA
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	NA
Intermediate																														
MW-6	7/18/2012		Clear	**3.99**	24.7	0.30	782	0.60	NA	110.95	ND	0.65 I	**1.2**	3.91	ND	1.9	**0.81 I**	0.61 I	ND	0.85 I	ND	ND	ND	**1.2**	ND	240	1.9	2.3	**2.0**	420
MW-6	8/24/2012		Clear	**4.69**	24.5	0.29	875	0.85	NA	109.31	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	ND	Δ
Assessment																														
MW-18	7/17/2012		Clear	**4.90**	23.5	2.04	61	7.16	NA	105.01	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA
MW-19	7/19/2012		Clear	**5.76**	23.7	1.90	88	4.94	NA	105.50	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA
QA/QC																														
Fld Blank 48922	7/17/2012		NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23	ND	NA	ND
Trip Blank 48922	7/17/2012		NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
Trip Blank 48963	7/18/2012		NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
Trip Blank 49646	8/24/2012		NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	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
Δ - Not Applicable. The complete results of the groundwater sample collected from MW-6 on August 23, 2012, will be provided to FDEP under a separate cover by Citrus County and are not presented in this report.
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.
btop - below top of dedicated bladder pump

Table 3-1. (Continued) Analytical Results of Detected Parameters Compared to Groundwater Standards

			METALS - Total Recoverable																	METALS - Dissolved															
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*	Mercury 2.0 ug/L*	Nickel 100 ug/L*	Selenium 50 ug/L*	Silver 100 ug/L**	Sodium 160 mg/L*	Thallium 2.0 ug/L*	Vanadium 49 ug/L***	Zinc 5000 ug/L**	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*	Mercury 2.0 ug/L*	Nickel 100 ug/L*	Selenium 50 ug/L*	Silver 100 ug/L**	Sodium 160 mg/L*	Thallium 2.0 ug/L*	Vanadium 49 ug/L***	Zinc 5000 ug/L**
Background																																			
MW-3	7/18/2012		ND	32	ND	0.32 I	ND	0.38 I	71	150	5.6	0.19 I	7.9	1.6 I	ND	11	ND	ND	75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	7/18/2012		7.1	16	ND	0.12 I	ND	0.81	ND	**920**	0.37 I	ND	6.6	ND	ND	10	ND	ND	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Compliance																																			
MW-10	7/18/2012		2.6	110	ND	0.60	7.3	0.56	ND	**6,300**	4.1	ND	4.2 I	1.2 I V	ND	5.0	ND	ND	14 I	2.6	5.7	ND	ND	ND	0.61	ND	**6,300**	ND	ND	3.3 I	ND	ND	5.0	ND	ND	16 I
MW-11	7/17/2012		ND	19	ND	0.16 I	ND	ND	ND	40 I	ND	ND	ND	ND	ND	3.5	0.95 I	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12	7/17/2012		4.1	19	ND	0.14 I	ND	1.2	ND	**6,900**	ND	ND	2.2 I	ND	ND	2.9	ND	ND	ND	3.7	18	ND	ND	ND	1.1	ND	**6,900**	ND	ND	2.1 I	ND	ND	3.0	ND	ND	ND
MW-13	7/17/2012		4.8	6.4	ND	ND	ND	8.2	ND	**3,200**	0.25 I	ND	4.3 I	ND	ND	3.6	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-14	7/17/2012		ND	18	ND	0.60	ND	1.1	ND	220	ND	ND	2.0 I	ND	ND	3.2	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-15	7/17/2012		4.9	6.7	ND	0.69	ND	0.33 I	1.7 I	**8,200**	0.44 I	ND	4.0 I	1.1 I	0.27 I	1.9	ND	ND	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-17	7/17/2012		3.9	10	ND	ND	ND	5.2	ND	**7,700**	0.24 I	ND	2.5 I	ND	ND	2.3	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-20	7/18/2012		9.1	10	ND	ND	ND	2.5	ND	**39,000**	ND	0.096 I	ND	1.4 I	ND	9.9	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-20	8/24/2012		NA	NA	NA	NA	NA	NA	NA	**74,000**	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-21	7/19/2012		2.0 I	36	0.26 I	0.18 I	3.7 I	0.49 I	1.1 I	**1,400**	1.8	ND	ND	ND	ND	2.0	ND	ND	ND	2.4 I	3.5 I	ND	ND	ND	0.50	ND	**1,100**	ND	ND	ND	ND	ND	2.0	ND	ND	ND
MW-21	8/24/2012		NA	NA	NA	NA	NA	NA	NA	**1,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Piezometer																																			
MW-1R	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	NA	NA	NA	NA	NA	NA
MW-2	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	NA	NA	NA	NA	NA	NA
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	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	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	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	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	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	NA	NA	NA	NA	NA	NA
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	NA	NA	NA	NA	NA	NA
Intermediate																																			
MW-6	7/18/2012		ND	72	0.34 I	0.21 I	ND	1.9	8.3	**2,400**	3.8	0.26	26	ND	ND	120 J	ND	ND	13 I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	8/24/2012		Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Assessment																																			
MW-18	7/17/2012		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	NA	NA	NA	NA	NA	NA
MW-19	7/19/2012		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	NA	NA	NA	NA	NA	NA
QA/QC																																			
Fld Blank 48922	7/17/2012		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trip Blank 48922	7/17/2012		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	NA	NA	NA	NA	NA	NA
Trip Blank 48963	7/18/2012		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	NA	NA	NA	NA	NA	NA
Trip Blank 49646	8/24/2012		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	NA	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
Δ - Not Applicable. The complete results of the groundwater sample collected from MW-6 on August 23, 2012, will be provided to FDEP under a separate cover by Citrus County and are not presented in this report.
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 Relative Percent Difference (RPD) outside of criteria
V - Indicates the analyte was detected in both the sample and the associated method blank

Table 3-2. Analytical Results of Parameters Exceeding Groundwater Standards

WELL ID	Date Sampled	PARAMETER STANDARD	FIELD READINGS	VOLATILE ORGANICS				METALS		GENERAL CHEMISTRY
			pH	Benzene	Bromodichloromethane	Dibromochloramethane	Vinyl Chloride	Iron - Total Recoverable	Iron - Dissolved	Fecal Coliform
			6.5 - 8.5 S.U.**	1.0 ug/L*	0.6*** ug/L	0.4*** ug/L	1.0 ug/L*	300 ug/L**	300 ug/L**	1 CFU/100 ml
Background										
MW-3	7/18/2012		**4.69**	ND	ND	ND	ND	150	NA	NA
MW-7	7/18/2012		**4.94**	0.96 I	ND	ND	ND	**920**	NA	NA
Compliance										
MW-10	7/18/2012		**4.47**	**1.7**	ND	ND	**2.5**	**6,300**	**6,300**	NA
MW-11	7/17/2012		6.75	ND	ND	ND	ND	40 I	NA	NA
MW-12	7/17/2012		6.76	ND	ND	ND	ND	**6,900**	**6,900**	NA
MW-13	7/17/2012		**5.29**	ND	ND	ND	0.72 I	**3,200**	NA	NA
MW-14	7/17/2012		6.79	ND	ND	ND	ND	220	NA	NA
MW-15	7/17/2012		**4.56**	ND	ND	ND	ND	**8,200**	NA	NA
MW-17	7/17/2012		**4.69**	ND	ND	ND	ND	**7,700**	NA	NA
MW-20	7/18/2012		**5.49**	ND	ND	ND	ND	**39,000**	NA	NA
MW-20	8/24/2012		**6.02**	NA	NA	NA	NA	**74,000**	NA	NA
MW-21	7/19/2012		**4.48**	**1.8**	ND	ND	0.84 I	**1,400**	**1,100**	NA
MW-21	8/24/2012		**4.86**	**1.5**	NA	NA	NA	**1,000**	**1,000**	NA
Piezometer										
MW-1R	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA
MW-2	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA
MW-8R	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA
MW-9	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA
MW-AA	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA
MW-B	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA
MW-C	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA
MW-D	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA
MW-E	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA
Intermediate										
MW-6	7/18/2012		**3.99**	0.65 I	**1.2**	**0.81 I**	**1.2**	**2,400**	NA	**2.0**
MW-6	8/24/2012		**4.69**	Δ	Δ	Δ	Δ	Δ	NA	ND
Assessment										
MW-18	7/17/2012		**4.90**	ND	NA	NA	ND	NA	NA	NA
MW-19	7/19/2012		**5.76**	ND	NA	NA	ND	NA	NA	NA
QA/QC										
Fld Blank 48922	7/17/2012		NA	ND	ND	ND	ND	ND	NA	NA
Trip Blank 48922	7/17/2012		NA	ND	ND	ND	ND	NA	NA	NA
Trip Blank 48963	7/18/2012		NA	ND	ND	ND	ND	NA	NA	NA
Trip Blank 49646	8/24/2012		NA	ND	ND	ND	ND	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
ND - Not Detected (i.e. if present, concentration is below the method detection limit [MDL])
NA - Not Analyzed
Δ - Not Applicable. The complete results of the groundwater sample collected from MW-6 on August 23, 2012, will be provided to FDEP under a separate cover by Citrus County and are not presented in this report.
I - Reported value is between the MDL and the laboratory practical quantitation limit (PQL)

3.1 Summary of Parameters that Exceeded Groundwater Quality Criteria during the Second Semi-Annual Sampling Event in 2012 by Well

MW-3 – designated as a background monitoring well

pH – 4.69 S.U.

- The pH of all of the samples collected from 2002 to July 2012 has been below the 6.5 S.U. criterion.
- Because the pH of samples collected from this well has historically been below 6.5 S.U. and the pH of samples collected from all the other background monitor wells during this sampling event was below the 6.5 S.U. criterion, the fact that the pH is below the 6.5 S.U. criterion is not considered to be significant.

MW-6 – designated as a intermediate monitoring well

pH – 3.99 S.U. & 4.69 S.U. when re-sampled

- The pH of all of the samples collected from 2002 to August 2012 have been below the 6.5 S.U. criterion.
- Because the pH of samples collected from this well has historically been below 6.5 S.U. and the pH of samples collected from all of the background monitor wells during this sampling event was below the 6.5 S.U. criterion, the fact that the pH is below the 6.5 S.U. criterion is not considered to be significant.

Iron – 2,400 µg/L total

- All but one of the samples collected from this well during the period from 2002 to 2006 had concentrations of iron above the 300 µg/L criterion (range = 1,400 → 220 µg/L).
- Five of the eleven samples collected from this well during the period from 2007 to July 2012 had concentrations of iron above the 300 µg/L criterion (range = 2,400 → 91.4 µg/L)
- The concentration of iron detected in the sample collected from this well during the July 2012 sampling event is significantly higher than the highest concentration detected since 2002.
- It is not uncommon for iron to exceed the 300 µg/L criterion in this well and all but three of the other monitor wells at this site.
- Because this concentration of iron represents the highest concentration of iron detected in groundwater from this well, this situation should be evaluated closely as routine monitoring continues.

Bromodichloromethane – 1.2 µg/L

- All of the samples collected from 2002 to July 2012 had concentrations of bromodichloromethane above the 0.6 µg/L Groundwater Cleanup Target Level (GCTL) criterion established in Chapter 62-777, F.A.C.
- The concentration of bromodichloromethane detected in this sample is similar to the concentrations detected in this well in January 2012 (0.75 µg/L), 2011 (1.4 & 1.1 µg/L), 2010 (1.1 & 1.7 µg/L), 2009 (1.7 & 1.7 µg/L), and 2008 (3.2 & 2.9 µg/L).
- Since bromodichloromethane has historically always exceeded the criterion and the concentration detected during this event (1.2 µg/L) is one of the lowest concentrations detected in the samples collected since 2008, the fact that bromodichloromethane is above the 0.6 µg/L criterion is not considered to be significant.

Dibromochloromethane – 0.81 µg/L

- All of the samples collected from 2002 to August 2012 had concentrations of dibromochloromethane above the 0.4 µg/L GCTL criterion established in Chapter 62-777, F.A.C.

- Although the concentration of dibromochloromethane detected in this sample is slightly higher than the concentration detected in this well in January 2012 (0.51 µg/L), because the concentration of dibromochloromethane detected in this well has historically always exceeded the criterion and the concentration detected in the sample collected during this sampling event is lower than the concentration detected in the groundwater samples collected from this well in one of the sampling events of 2011 (1.3 µg/L & 0.70 µg/L) and both sampling events of 2010 (3.9 µg/L & 2.1 µg/L), the fact that dibromochloromethane is above the 0.4 µg/L criterion is not considered to be significant.

Vinyl Chloride – 1.2 µg/L

- All of the samples collected from 2002 to July 2012 had concentrations of vinyl chloride above the 1.0 µg/L Maximum Contaminant Level (MCL) criterion established in Chapter 62-550, F.A.C.
- The concentration of vinyl chloride detected in the sample collected during the July 2012 sampling event is lower than the concentration detected in January 2012 (2.0 µg/L), both samples collected in 2011 (January - 1.9 µg/L & July - 2.1 µg/L) and 2010 (January - 1.9 µg/L & July - 1.7 µg/L).
- Since vinyl chloride has historically always exceeded the criteria and has remained relatively consistent over the past few years, the fact that vinyl chloride is above the 1.0 µg/L criterion is not considered to be significant.

Fecal Coliform –2 CFU/100 mL & not detected in the sample collected on August 24, 2012

- Fecal coliform has not been detected in this well in any of the samples collected from this well since at least 2004. Although two CFU/100 mL of fecal coliform were detected in the groundwater sample collected in July 2012, none was detected in the sample collected in August 2012. According to Rule 62-550.310(5)(b), any fecal coliform positive repeat sample following a fecal coliform positive routine sample is a violation of the maximum contaminant level for total coliforms and is a violation that poses an acute risk to health. Because fecal coliform was not detected in the repeat sample collected in August 2012, based on the rule cited above, the detection of fecal coliform in the sample collected in July 2012 is not a violation.

MW-7 – designated as a background monitoring well

pH – 4.94 S.U.

- The pH of all of the samples collected from 2002 to July 2012 has been below the 6.5 S.U. criterion.
- Because the pH of samples collected from this well has historically been below 6.5 S.U. and the pH of samples collected from all the other background monitor wells during this sampling event was below the 6.5 S.U. criterion, the fact that the pH is below the 6.5 S.U. criterion is not considered to be significant.

Iron – 920 µg/L total

- Although all of the samples collected from this well during the period from 2002 to 2010 had concentrations of iron below the 300 µg/L criterion (range = 200 µg/L → not detected), the concentrations detected in this well since 2010 have been over the criterion and have been increasing.
- The concentration of iron detected in the samples collected from this well during the sampling events in 2009 were 140 µg/L (January) & 150 µg/L (July); the concentrations detected in 2010 were 160 µg/L (January) & 200 µg/L (July). However, the concentration detected in 2011 were 340 µg/L (January) and 510 µg/L (July), and the concentration detected in January 2012 was 840 µg/L.
- Although this is the third time iron exceeded the 300 µg/L criterion in this well, the concentration of iron detected is consistent with the recent increasing trend and is considered to represent background conditions.

MW-10 – designated as a compliance monitoring well

pH – 4.47 S.U.

- The pH of all of the samples collected from 2005 to July 2012 has been below the 6.5 S.U. criterion.
- Because pH reading of 4.47 is comparable to historical values reported for this well and the pH of samples collected from all of the background monitor wells during this sampling event was below the 6.5 S.U. criterion, the fact that the pH is below the 6.5 S.U. criterion is not considered to be significant.

Iron – 6,300 µg/L total & 6,300 µg/L dissolved

- All of the samples collected from 2005 to July 2012 had concentrations of iron above the 300 µg/L criterion (range = 11,000 → 1,020 µg/L).
- The concentrations of total/dissolved iron detected in this sampling event are similar to the historical average. Therefore, the concentration of iron detected is not considered to be significant.

Benzene – 1.7 µg/L

- Although only 0.59 µg/L benzene was detected in the sample collected from this well in July 2011, 2.5 µg/L benzene was detected in this well in January 2012. In addition, all of the samples collected from 2005 to January 2011 had concentrations of benzene at or above the 1.0 µg/L MCL criterion established in Chapter 62-550, F.A.C. (range = 2.7 → 1.0 µg/L).
- Based on historical results, a concentration of benzene exceeding the 1.0 µg/L criterion is not considered to be significant. In addition, the 1.7 µg/L concentration detected during this sampling event is slightly lower than the concentration detected in this well in January 2012 (2.5 µg/L).

Vinyl Chloride – 2.5 µg/L

- All but two of the samples collected from 2005 to July 2012 had concentrations of vinyl chloride above the 1.0 µg/L MCL criterion established in Chapter 62-550, F.A.C. (range = 5.4 µg/L → 0.81 I µg/L).
- Based on the range of the concentrations detected since 2005, the concentration of vinyl chloride is highly variable in this well.
- Because the concentration of vinyl chloride detected is so variable and historically has commonly exceeded the 1.0 µg/L criteria, the fact that the concentration of vinyl chloride recently detected exceed the 1.0 µg/L criterion 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 semi-annual sampling event for 2012 exceeded the established groundwater quality criteria.

MW-12 – designated as a compliance monitoring well

Iron – 6,900 µg/L total

- All of the samples collected from 2005 to July 2012 had concentrations of iron above the 300 µg/L criterion (range = 9,470 µg/L → 4,200 µg/L and average = 6,440 µg/L).
- The concentration of total iron detected in the recent sampling event is only slightly above the average concentration detected in this well. Therefore, it is not considered to be significant that the concentration of iron in this sample exceeds the 300 µg/L criterion.

MW-13 – designated as a compliance monitoring well

pH – 5.29 S.U.

- The pH of all of the samples collected from 2005 to July 2012 has been below the 6.5 S.U. criterion.

- Because the pH of samples collected from this well has historically been below 6.5 S.U. and the pH of samples collected from all of the background monitor wells during this sampling event was below the 6.5 S.U. criterion, the fact that the pH is below the 6.5 S.U. criterion is not considered to be significant.

Iron – 3,200 µg/L total

- All of the samples collected from 2005 to July 2012 had concentrations of iron above the 300 µg/L criterion (range = 3,200 → 583 µg/L).
- Although the concentration of total iron detected in the recent sampling event is just slightly higher than recent historical values (3,000 µg/L in January 2012), it does represent the highest concentration of iron detected in this well. However, the concentration of iron has also been increasing recently in at least one of the background wells at the site. Therefore, while it is not considered significant that iron exceeded the criterion in this sample, it does confirm a general increasing trend of iron concentrations in this well over time.

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 semi-annual sampling event for 2012 exceeded the groundwater quality criteria.

MW-15 – designated as a compliance monitoring well

pH – 4.56 S.U.

- The pH of all of the samples collected from 2005 to July 2012 has been below the 6.5 S.U. criterion.
- Because the pH of samples collected from this well has historically been below 6.5 S.U. and the pH of samples collected from all of the background monitor wells during this sampling event was below the 6.5 S.U. criterion, the fact that the pH is below the 6.5 S.U. criterion is not considered to be significant.

Iron – 8,200 µg/L total

- Historically, all of the samples collected from 2005 to July 2012 had concentrations of iron above the 300 µg/L criterion (range = 8,200 → 640 µg/L).
- Although the concentration of total iron detected in this event is at least 2,000 µg/L higher than in recent sampling events (January 2010 - 5,400 µg/L, July 2010 – 4,200, January 2011 – 5,100 µg/L, July 2011 – 6,200 µg/L, & January 2012 – 6,100 µg/L), the concentration of iron has also been increasing recently in at least one of the background wells at the site. Therefore, while it is not considered significant that iron exceeded the criterion in this sample, it does confirm a general increasing trend of iron concentrations in this well over time.

MW-17 – designated as a compliance monitoring well

pH – 4.69 S.U.

- The pH of all of the samples collected from 2005 to July 2012 has been below the 6.5 S.U. criterion.
- Because the pH of samples collected from this well has historically been below 6.5 S.U. and the pH of samples collected from all of the background monitor wells during this sampling event was below the 6.5 S.U. criterion, the fact that the pH is below the 6.5 S.U. criterion is not considered to be significant.

Iron – 7,700 µg/L total

- All of the samples collected from 2005 to July 2012 had concentrations of iron above the 300 µg/L criterion (range = 7,960 → 840 µg/L).
- The concentration of total iron detected in the recent sampling event is significantly higher than the concentration of iron detected in this well in July 2011 (4,200 µg/L), but comparable to values

detected in July 2007 through January 2012 (range = 7,960 → 5,800 µg/L and average = 6,884 µg/L). Therefore, it is not considered to be significant.

MW-18 – designated as an assessment monitoring well

pH – 4.90 S.U.

- The pH of the samples collected from 2007 to July 2012 has been below the 6.5 S.U. criterion.
- Because the pH reading of 4.92 S.U. is comparable to historical values reported, and the pH of samples collected from all of the background monitor wells during this sampling event was below the 6.5 S.U. criterion, the fact that the pH is below the 6.5 S.U. criterion is not considered to be significant.

MW-19 – designated as an assessment monitoring well

pH – 5.76 S.U.

- The pH of the samples collected from 2007 to January 2012 has been below the 6.5 S.U. criterion.
- Because the pH of samples collected from this well has historically been below 6.5 S.U. and the pH of samples collected from all of the background monitor wells during this sampling event was below the 6.5 S.U. criterion, the fact that the pH is below the 6.5 S.U. criterion is not considered to be significant.

MW-20 – designated as a compliance monitoring well

pH – 5.49 S.U. & 6.02 S.U. when re-sampled

- The pH of the samples collected during this event is similar to the pH of all four of the samples collected last year (January 2011 - 5.60 S.U. & 5.57 S.U. when re-sampled, and July 2011 - 5.61 S.U. & 5.75 S.U. when re-sampled) and all of the readings have been below the 6.5 S.U. criterion.
- Because the pH of samples collected from all of the background monitor wells during this sampling event was below the 6.5 S.U. criterion, the fact that the pH is below the 6.5 S.U. criterion is not considered to be significant.

Iron – 39,000 µg/L total total & 74,000 µg/L total when re-sampled

- The concentration of iron detected in the sample collected during the July 2012 routine sampling event is similar to the concentrations detected in the samples collected in the first semiannual sampling event of 2012 [31,000 µg/L (January), 32,000 µg/L (February)] and in 2011 [21,000 µg/L (January), 30,000 µg/L (February), 32,000 (July), and 37,000 (August)]; and the concentrations have been significantly above the 300 µg/L criterion even though the turbidity was below 5 NTU in seven of the eight samples that have been collected since the well was installed in January 2011.
- The concentration of iron detected in the sample collected when the well was re-sampled in August 2012 was almost twice as high as the concentration detected during the July 2012 routine sampling event.
- It is not uncommon for iron to exceed the 300 µg/L criterion in this well and all but three of the other monitor wells at this site. The presence of iron at concentrations exceeding 5,000 µg/L is common in six other monitor wells at the site. However, the concentration of iron detected when the well was re-sampled in August 2012 is considered to be significant because it is almost twice as high as the previously highest concentration that has been detected in this well (39,000 µg/L in July 2012).
- Because these concentrations of iron have represented the highest concentrations of iron detected in groundwater at the site during all four of the last semi-annual sampling events, this situation should be evaluated closely as routine monitoring continues.

MW-21 – designated as a compliance monitoring well

pH – 4.48 S.U. & 4.86 S.U. when re-sampled

- The pH of the samples collected during this event is similar to the pH of the samples collected for the 1st Semester of 2012 (4.56 S.U. & 4.52 S.U. when re-sampled), but are slightly higher than the pH of the samples collected for the 2nd Semester of 2011 (4.21 S.U. & 4.43 S.U. when re-sampled). However, the pH of the samples collected during this event are similar to the pH of the samples collected for the 1st Semester of 2011 (4.53 & 4.82 S.U. when re-sampled). All of the pH readings have been below the 6.5 S.U. criterion.
- Because the pH of samples collected from all of the background monitor wells during this sampling event was below the 6.5 S.U. criterion, the fact that the pH is below the 6.5 S.U. criterion is not considered to be significant.

Benzene – 1.8 µg/L & 1.5 µg/L when re-sampled

- The concentrations of benzene detected in these samples are above the 1.0 µg/L MCL criterion established in Chapter 62-550, F.A.C.
- The concentrations of benzene detected in these samples are below the concentrations detected in the samples collected from this well in January and February of 2012 (2.8 µg/L (January), 2.5 µg/L (February)).
- All of the samples collected from this well in 2011 also had concentrations of benzene above the 1.0 µg/L MCL criterion [(2.6 µg/L (January), 2.5 µg/L (when re-sampled in February), 2.4 µg/L (July), and 2.2 µg/L when re-sampled in August)]; therefore, the concentration of benzene in this well should be evaluated closely as routine monitoring continues.

Iron – 1,400 µg/L total & 1,100 µg/L dissolved; 1,000 µg/L total & 1,000 µg/L dissolved when re-sampled

- The concentrations of iron detected in both the filtered and unfiltered samples collected during both the routine sampling event and when the well was re-sampled are above the 300 µg/L criterion. These concentrations are similar to the concentrations of iron detected in the samples collected during the 1st Semester of 2012 (1,500 µg/L total & 990 µg/L dissolved; 2,100 µg/L total & 1,100 µg/L dissolved when re-sampled) and during the 2nd Semester of 2011 (2,100 µg/L total & 870 µg/L dissolved; and 1,400 µg/L total & 1,200 µg/L dissolved when re-sampled).
- The concentrations of iron detected in the samples collected from this well during the 1st Semester of 2011 (1,000 µg/L total & 1,200 µg/L total when re-sampled) were also above the 300 µg/L criterion even though the turbidity of the samples was below 5 NTU in both samples.
- Although this situation should continue to be evaluated as routine monitoring continues, the concentrations of iron detected are not considered to be significant because these concentrations are lower than the average iron concentration detected in groundwater at the site.

3.2 Summary of Groundwater Quality Criteria Exceedances during the Second Semi-Annual Sampling Event in 2012 by Parameter

The following observations were made regarding the exceedances that were detected in the groundwater samples that were collected during the second semi-annual sampling event for 2012:

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 pH values measured in these three wells (6.75, 6.76, and 6.79, respectively) were only slightly above the low end of the acceptable range. Although the pH values measured in the other wells are below the low end of the acceptable range, they are comparable to historical values reported and the pH of the groundwater in both of the wells at the site designated as background wells were below the 6.5 S.U. criterion.

IRON

Iron concentrations exceeded the MCL established in Chapter 62-550, F.A.C. in the samples from all of the monitor wells sampled and analyzed for iron except MW-3, MW-11, and MW-14. Although the concentration of iron detected in one of the background monitor wells (920 µg/L in MW-7) did exceed the MCL, the concentrations of iron detected in the samples collected from most of the other monitor wells at the site during the second semi-annual sampling event for 2012 were significantly above this value. Although the concentrations of total iron detected in many of the monitor wells during this event are at least 2,000 µg/L higher than in recent sampling events, the concentrations of iron have also been increasing recently in at least one of the background wells at the site. Therefore, while it is not considered significant that iron exceeded the criterion in all but three of the monitor wells at the site, it does confirm a general increasing trend of iron concentrations in most of the wells at the site over time.

The concentration of iron detected in monitor well MW-20 represents the highest concentration of iron detected in groundwater at the site during the July 2012 semi-annual sampling event; therefore, this situation should be evaluated closely as routine monitoring continues. When this well was re-sampled in August 2012, the iron concentration detected was almost twice the concentration detected in the sample collected in July 2012.

ORGANIC COMPOUNDS

Benzene (in MW-10 and MW-21), bromodichloromethane & dibromochloromethane (in MW-6), and vinyl chloride (in MW-6 and MW-10) were the only organic compounds detected in concentrations that exceeded MCLs in the groundwater samples collected in July 2012. Although the concentrations of bromodichloromethane & dibromochloromethane in MW-6 were slightly higher during this monitoring period than were detected in this well during the January 2012 sampling event, benzene and vinyl chloride concentrations detected in monitor wells MW-6, MW-10, & MW-21 were lower than what were detected in these wells in January 2012.

Benzene was detected at a concentration of 1.7 µg/L in the sample collected from monitor well MW-10 in July 2012. Although only 0.59 µg/L benzene was detected in this well in July 2011, 2.5 µg/L benzene was detected in January 2012. In addition, all of the samples collected from this well from 2005 to January 2011 had concentrations of benzene at or above the 1.0 µg/L MCL criterion. As stated in Section 3.1, 1.8 µg/L benzene was detected in the sample collected from MW-21 in July 2012 and 1.5 µg/L benzene was detected in the sample collected from this well when it was re-sampled in August 2012. The concentration of benzene detected in this well in January 2012 was 2.8 µg/L benzene and 2.5 µg/L benzene was detected when it was re-sampled in February 2012. Benzene also exceeded the 1.0 µg/L criteria in all four of the samples collected from this well last year. The concentrations of benzene in monitor wells MW-10 and MW-21 should continue to be evaluated as routine monitoring continues.

Although bromodichloromethane & dibromochloromethane were detected above the GCTL criteria in MW-6, these parameters have historically always exceeded the established GCTL criteria in MW-6. Because the concentrations detected during this sampling event are lower than the average concentrations of these parameters detected from this well during the recent sampling events, they are not considered to be significant, but should continue to be evaluated as routine monitoring continues.

In this semi-annual sampling event, vinyl chloride was detected at concentrations exceeding the 1.0 µg/L MCL criterion in only two monitor wells (MW-6 and MW-10). Historically, vinyl chloride has commonly been detected above the criterion in MW-6 and the concentration detected in MW-6 during this sampling event is similar to concentrations previously detected. All but two of the samples collected from MW-10 between 2005 and January 2011 had concentrations of vinyl chloride above the criterion. Based on the number of times exceedances have been detected in MW-10 and the range of the concentrations detected,

the concentration of vinyl chloride detected in this well during this monitoring event is not considered to be significant. The concentrations of vinyl chloride in monitor wells MW-6, and MW-10 should continue to be evaluated as routine monitoring continues.

GENERAL CHEMISTRY

Fecal coliform has not been detected in monitor well MW-6 in any of the samples collected from this well since at least 2004. Although two CFU/100 mL of fecal coliform were detected in the groundwater sample collected from MW-6 in July 2012, none was detected when the well was sampled in August 2012. According to Rule 62-550.310(5)(b), any fecal coliform positive repeat sample following a fecal coliform positive routine sample is a violation of the maximum contaminant level for total coliforms and is a violation that poses an acute risk to health. Because fecal coliform was not detected in the repeat sample collected in August 2012, based on the rule cited above, the detection of fecal coliform in the sample collected in July 2012 is not a violation.

APPENDIX A

CD Containing:

- **ADaPT Files**
- **PDF of Second Semi-Annual Groundwater Monitoring Report 2012**

APPENDIX B

Laboratory Reports

- **Report # 660-48922-1**
- **Report # 660-49646-1**

LABORATORY REPORT 48922

August 14, 2012

Contains Analytical Results for Routine Sampling of Monitor Wells:

- MW-3
- MW-6
- MW-7
- MW-10
- MW-11
- MW-12
- MW-13
- MW-14
- MW-15
- MW-17
- MW-18
- MW-19
- MW-20
- MW-21

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-48922-1
Client Project/Site: Citrus County Landfill
Sampling Event: Semi-annual

For:
CDM Smith, Inc.
1715 North Westshore Blvd.
Suite 875
Tampa, Florida 33607

Attn: Mr. Aamod Sonawane

Authorized for release by:
8/14/2012 4:43:57 PM

Jess Hornsby
Project Manager I
jess.hornsby@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-48922-1	Field Blank	Ground Water	07/17/12 10:07	07/17/12 17:25
660-48922-2	MW-11	Ground Water	07/17/12 11:05	07/17/12 17:25
660-48922-3	MW-17	Ground Water	07/17/12 12:17	07/17/12 17:25
660-48922-4	MW-15	Ground Water	07/17/12 15:23	07/17/12 17:25
660-48922-5	MW-12	Ground Water	07/17/12 11:11	07/17/12 17:25
660-48922-6	MW-13	Ground Water	07/17/12 12:25	07/17/12 17:25
660-48922-7	MW-14	Ground Water	07/17/12 15:17	07/17/12 17:25
660-48922-8	Trip Blank Assessment	Ground Water	07/17/12 00:00	07/17/12 17:25
660-48949-1	MW-6	Ground Water	07/18/12 15:08	07/18/12 17:20
660-48963-1	MW-7	Water	07/18/12 09:47	07/18/12 17:20
660-48963-2	MW-20	Water	07/18/12 10:12	07/18/12 17:20
660-48963-3	Trip Blank	Water	07/18/12 00:00	07/18/12 17:20
660-48974-1	MW-3	Ground Water	07/19/12 08:59	07/19/12 13:45
660-48974-2	MW-21	Ground Water	07/19/12 10:53	07/19/12 13:45
660-48974-3	MW-10	Ground Water	07/18/12 16:30	07/19/12 13:45
660-48974-4	MW-18	Ground Water	07/17/12 17:02	07/19/12 13:45
660-48974-5	MW-19	Ground Water	07/19/12 11:10	07/19/12 13:45

Definitions/Glossary

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
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.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
V	Indicates the analyte was detected in both the sample and the associated method blank.

General Chemistry

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

Biology

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 660-48922-1

Laboratory: TestAmerica Tampa

Narrative

Receipt
The samples were received on 7/17/2012 5:25 PM, 7/18/2012 5:20 PM and 7/19/2012 1:45 PM; the samples arrived in good condition, properly preserved and. The temperatures of the 5 coolers at receipt time were 2.5ºC, 2.9ºC, 3.2ºC, 4.2ºC and 4.6ºC.

GC/MS VOA
Method 8260B: The matrix spike (MS) recovery for batch 126904 was outside control limits.

Method 8260B: The matrix spike (MS) recoveries for batch 126988 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
The method blank associated with batch 244068 had an estimated result for Selenium between the MDL and PQL. Any associated sample with a positive result has been qualified.

No analytical or quality issues were noted.

General Chemistry
Method 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 126761 were outside control limits for nitrate-nitrite as N. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 353.2: An incorrect volume of spiking solution was inadvertantly added to the laboratory control sample (LCS) associated with batch 126841. Percent recoveries are based on the amount spiked.

Method 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 126841 were outside control limits for nitrate-nitrite as N. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 126864 were outside control limits for nitrate-nitrite as N. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 350.1: The results reported for the following samples do not concur with results previously reported for this site: Field Blank (660-48922-1), MW-10 (660-48974-3), MW-11 (660-48922-2), MW-12 (660-48922-5), MW-13 (660-48922-6), MW-14 (660-48922-7), MW-15 (660-48922-4), MW-17 (660-48922-3), MW-20 (660-48963-2), MW-21 (660-48974-2), MW-3 (660-48974-1), MW-6 (660-48949-1), MW-7 (660-48963-1). Reanalysis was performed, and the results confirmed. Batch:127025

No other analytical or quality issues were noted.

Detection Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: Field Blank — Lab Sample ID: 660-48922-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ammonia as N	0.23		0.060	0.010	mg/L	1		350.1	Total/NA

Client Sample ID: MW-11 — Lab Sample ID: 660-48922-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	19		5.0	1.3	ug/L	1		6020	Total Recoverable
Cadmium	0.16	I	0.50	0.095	ug/L	1		6020	Total Recoverable
Iron	40	I	100	33	ug/L	1		6020	Total Recoverable
Sodium	3.5		0.50	0.25	mg/L	1		6020	Total Recoverable
Thallium	0.95	I	1.0	0.50	ug/L	1		6020	Total Recoverable
Chloride	5.0		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.35		0.060	0.010	mg/L	1		350.1	Total/NA
Nitrate as N	1.1		0.50	0.10	mg/L	1		353.2	Total/NA
Total Dissolved Solids	200		10	10	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	6.75				SU	1		Field Sampling	Total/NA
Field Temperature	23.3				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.41				mg/L	1		Field Sampling	Total/NA
Specific Conductance	383				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.66				NTU	1		Field Sampling	Total/NA
Water Level	97.62				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-17 — Lab Sample ID: 660-48922-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	0.74	I	1.0	0.52	ug/L	1		8260B	Total/NA
Arsenic	3.9		2.5	1.3	ug/L	1		6020	Total Recoverable
Barium	10		5.0	1.3	ug/L	1		6020	Total Recoverable
Cobalt	5.2		0.50	0.15	ug/L	1		6020	Total Recoverable
Iron	7700		100	33	ug/L	1		6020	Total Recoverable
Lead	0.24	I	1.5	0.20	ug/L	1		6020	Total Recoverable
Nickel	2.5	I	5.0	2.0	ug/L	1		6020	Total Recoverable
Sodium	2.3		0.50	0.25	mg/L	1		6020	Total Recoverable
Chloride	5.2		0.50	0.20	mg/L	1		300.0	Total/NA
Total Dissolved Solids	18		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	4.69				SU	1		Field Sampling	Total/NA
Field Temperature	23.7				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.24				mg/L	1		Field Sampling	Total/NA
Specific Conductance	50				umhos/cm	1		Field Sampling	Total/NA
Turbidity	4.06				NTU	1		Field Sampling	Total/NA
Water Level	103.47				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-15 — Lab Sample ID: 660-48922-4

Client Sample ID: MW-15 (Continued) — Lab Sample ID: 660-48922-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.0		1.0	0.65	ug/L	1		8260B	Total/NA
Trichloroethene	0.88	I	1.0	0.50	ug/L	1		8260B	Total/NA
Arsenic	4.9		2.5	1.3	ug/L	1		6020	Total Recoverable
Barium	6.7		5.0	1.3	ug/L	1		6020	Total Recoverable
Cadmium	0.69		0.50	0.095	ug/L	1		6020	Total Recoverable
Cobalt	0.33	I	0.50	0.15	ug/L	1		6020	Total Recoverable
Copper	1.7	I	5.0	1.1	ug/L	1		6020	Total Recoverable
Iron	8200		100	33	ug/L	1		6020	Total Recoverable
Lead	0.44	I	1.5	0.20	ug/L	1		6020	Total Recoverable
Nickel	4.0	I	5.0	2.0	ug/L	1		6020	Total Recoverable
Selenium	1.1	I	2.5	1.0	ug/L	1		6020	Total Recoverable
Silver	0.27	I	1.0	0.25	ug/L	1		6020	Total Recoverable
Sodium	1.9		0.50	0.25	mg/L	1		6020	Total Recoverable
Zinc	30		20	8.3	ug/L	1		6020	Total Recoverable
Chloride	2.8		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.19		0.060	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	14		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	4.56				SU	1		Field Sampling	Total/NA
Field Temperature	22.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.15				mg/L	1		Field Sampling	Total/NA
Specific Conductance	47				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.91				NTU	1		Field Sampling	Total/NA
Water Level	117.02				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-12 — Lab Sample ID: 660-48922-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	1.2		1.0	0.52	ug/L	1		8260B	Total/NA
Arsenic	4.1		2.5	1.3	ug/L	1		6020	Total Recoverable
Barium	19		5.0	1.3	ug/L	1		6020	Total Recoverable
Cadmium	0.14	I	0.50	0.095	ug/L	1		6020	Total Recoverable
Cobalt	1.2		0.50	0.15	ug/L	1		6020	Total Recoverable
Iron	6900		100	33	ug/L	1		6020	Total Recoverable
Nickel	2.2	I	5.0	2.0	ug/L	1		6020	Total Recoverable
Sodium	2.9		0.50	0.25	mg/L	1		6020	Total Recoverable
Arsenic	3.7		2.5	1.3	ug/L	1		6020	Dissolved
Barium	18		5.0	1.3	ug/L	1		6020	Dissolved
Cobalt	1.1		0.50	0.15	ug/L	1		6020	Dissolved

Client Sample ID: MW-12 (Continued) — Lab Sample ID: 660-48922-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	6900		100	33	ug/L	1		6020	Dissolved
Nickel	2.1	I	5.0	2.0	ug/L	1		6020	Dissolved
Sodium	3.0		0.50	0.25	mg/L	1		6020	Dissolved
Chloride	3.4		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.94		0.060	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	310		10	10	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	6.76				SU	1		Field Sampling	Total/NA
Field Temperature	24.6				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.32				mg/L	1		Field Sampling	Total/NA
Specific Conductance	544				umhos/cm	1		Field Sampling	Total/NA
Turbidity	11.3				NTU	1		Field Sampling	Total/NA
Water Level	96.24				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-13 — Lab Sample ID: 660-48922-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.67	I	1.0	0.52	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	3.0		1.0	0.52	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.2		1.0	0.65	ug/L	1		8260B	Total/NA
Vinyl chloride	0.72	I	1.0	0.50	ug/L	1		8260B	Total/NA
Arsenic	4.8		2.5	1.3	ug/L	1		6020	Total Recoverable
Barium	6.4		5.0	1.3	ug/L	1		6020	Total Recoverable
Cobalt	8.2		0.50	0.15	ug/L	1		6020	Total Recoverable
Iron	3200		100	33	ug/L	1		6020	Total Recoverable
Lead	0.25	I	1.5	0.20	ug/L	1		6020	Total Recoverable
Nickel	4.3	I	5.0	2.0	ug/L	1		6020	Total Recoverable
Sodium	3.6		0.50	0.25	mg/L	1		6020	Total Recoverable
Chloride	5.0		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.10		0.060	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	50		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	5.29				SU	1		Field Sampling	Total/NA
Field Temperature	23.9				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.26				mg/L	1		Field Sampling	Total/NA
Specific Conductance	82				umhos/cm	1		Field Sampling	Total/NA
Turbidity	4.27				NTU	1		Field Sampling	Total/NA
Water Level	105.19				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-14 — Lab Sample ID: 660-48922-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	18		5.0	1.3	ug/L	1		6020	Total Recoverable
Cadmium	0.60		0.50	0.095	ug/L	1		6020	Total Recoverable
Cobalt	1.1		0.50	0.15	ug/L	1		6020	Total Recoverable

Client Sample ID: MW-14 (Continued) — Lab Sample ID: 660-48922-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	220		100	33	ug/L	1		6020	Total Recoverable
Nickel	2.0	I	5.0	2.0	ug/L	1		6020	Total Recoverable
Sodium	3.2		0.50	0.25	mg/L	1		6020	Total Recoverable
Chloride	3.6		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.16		0.060	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	280		10	10	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	6.79				SU	1		Field Sampling	Total/NA
Field Temperature	23.4				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.23				mg/L	1		Field Sampling	Total/NA
Specific Conductance	466				umhos/cm	1		Field Sampling	Total/NA
Turbidity	4.85				NTU	1		Field Sampling	Total/NA
Water Level	101.40				ft	1		Field Sampling	Total/NA

Client Sample ID: Trip Blank Assessment — Lab Sample ID: 660-48922-8

No Detections

Client Sample ID: MW-6 — Lab Sample ID: 660-48949-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	0.61	I	1.0	0.52	ug/L	1		8260B	Total/NA
Benzene	0.65	I	1.0	0.50	ug/L	1		8260B	Total/NA
Bromodichloromethane	1.2		1.0	0.35	ug/L	1		8260B	Total/NA
Chloroform	1.9		1.0	0.90	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.85	I	1.0	0.65	ug/L	1		8260B	Total/NA
Dibromochloromethane	0.81	I	1.0	0.34	ug/L	1		8260B	Total/NA
Vinyl chloride	1.2		1.0	0.50	ug/L	1		8260B	Total/NA
Barium	72		5.0	1.3	ug/L	1		6020	Total Recoverable
Beryllium	0.34	I	0.50	0.25	ug/L	1		6020	Total Recoverable
Cadmium	0.21	I	0.50	0.095	ug/L	1		6020	Total Recoverable
Cobalt	1.9		0.50	0.15	ug/L	1		6020	Total Recoverable
Copper	8.3		5.0	1.1	ug/L	1		6020	Total Recoverable
Iron	2400		100	33	ug/L	1		6020	Total Recoverable
Lead	3.8		1.5	0.20	ug/L	1		6020	Total Recoverable
Nickel	26		5.0	2.0	ug/L	1		6020	Total Recoverable
Sodium	120	J3	0.50	0.25	mg/L	1		6020	Total Recoverable
Zinc	13	I	20	8.3	ug/L	1		6020	Total Recoverable
Mercury	0.26		0.20	0.091	ug/L	1		7470A	Total/NA
Chloride	240		5.0	2.0	mg/L	10		300.0	Total/NA
Ammonia as N	1.9		0.060	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	420		17	17	mg/L	1		SM 2540C	Total/NA
Nitrate as N - DL	2.3		1.0	0.20	mg/L	2		353.2	Total/NA
Coliform, Fecal	2.0		2.0	2.0	CFU/100mL	2		SM 9222D	Total/NA

Client Sample ID: MW-6 (Continued) — Lab Sample ID: 660-48949-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	3.99				SU	1		Field Sampling	Total/NA
Field Temperature	24.7				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.30				mg/L	1		Field Sampling	Total/NA
Specific Conductance	782				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.60				NTU	1		Field Sampling	Total/NA
Water Level	110.95				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-7 — Lab Sample ID: 660-48963-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.96	I	1.0	0.50	ug/L	1		8260B	Total/NA
Ethylbenzene	9.2		1.0	0.44	ug/L	1		8260B	Total/NA
Xylenes, Total	3.3		3.0	0.50	ug/L	1		8260B	Total/NA
Arsenic	7.1		2.5	1.3	ug/L	1		6020	Total Recoverable
Barium	16		5.0	1.3	ug/L	1		6020	Total Recoverable
Cadmium	0.12	I	0.50	0.095	ug/L	1		6020	Total Recoverable
Cobalt	0.81		0.50	0.15	ug/L	1		6020	Total Recoverable
Iron	920		100	33	ug/L	1		6020	Total Recoverable
Lead	0.37	I	1.5	0.20	ug/L	1		6020	Total Recoverable
Nickel	6.6		5.0	2.0	ug/L	1		6020	Total Recoverable
Sodium	10		0.50	0.25	mg/L	1		6020	Total Recoverable
Zinc	22		20	8.3	ug/L	1		6020	Total Recoverable
Chloride	4.0		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.084		0.060	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	52		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	4.94				SU	1		Field Sampling	Total/NA
Field Temperature	23.7				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.22				mg/L	1		Field Sampling	Total/NA
Specific Conductance	80				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.40				NTU	1		Field Sampling	Total/NA
Water Level	121.60				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-20 — Lab Sample ID: 660-48963-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.1		2.5	1.3	ug/L	1		6020	Total Recoverable
Barium	10		5.0	1.3	ug/L	1		6020	Total Recoverable
Cobalt	2.5		0.50	0.15	ug/L	1		6020	Total Recoverable
Iron	39000		100	33	ug/L	1		6020	Total Recoverable
Selenium	1.4	I	2.5	1.0	ug/L	1		6020	Total Recoverable

Detection Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-20 (Continued) — Lab Sample ID: 660-48963-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	9.9		0.50	0.25	mg/L	1		6020	Total Recoverable
Mercury	0.096	I	0.20	0.091	ug/L	1		7470A	Total/NA
Chloride	26		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	1.8		0.060	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	180		10	10	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	5.49				SU	1		Field Sampling	Total/NA
Field Temperature	24.8				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.21				mg/L	1		Field Sampling	Total/NA
Specific Conductance	369				umhos/cm	1		Field Sampling	Total/NA
Turbidity	4.82				NTU	1		Field Sampling	Total/NA
Water Level	112.18				ft	1		Field Sampling	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 660-48963-3

No Detections

Client Sample ID: MW-3 — Lab Sample ID: 660-48974-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	32		5.0	1.3	ug/L	1		6020	Total Recoverable
Cadmium	0.32	I	0.50	0.095	ug/L	1		6020	Total Recoverable
Cobalt	0.38	I	0.50	0.15	ug/L	1		6020	Total Recoverable
Copper	71		5.0	1.1	ug/L	1		6020	Total Recoverable
Iron	150		100	33	ug/L	1		6020	Total Recoverable
Lead	5.6		1.5	0.20	ug/L	1		6020	Total Recoverable
Nickel	7.9		5.0	2.0	ug/L	1		6020	Total Recoverable
Selenium	1.6	I	2.5	1.0	ug/L	1		6020	Total Recoverable
Sodium	11		0.50	0.25	mg/L	1		6020	Total Recoverable
Zinc	75		20	8.3	ug/L	1		6020	Total Recoverable
Mercury	0.19	I	0.20	0.091	ug/L	1		7470A	Total/NA
Chloride	13		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.47		0.060	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	80		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Nitrate as N - DL	5.9		2.5	0.50	mg/L	5		353.2	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	4.69				SU	1		Field Sampling	Total/NA
Field Temperature	23.2				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	3.34				mg/L	1		Field Sampling	Total/NA
Specific Conductance	107				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.94				NTU	1		Field Sampling	Total/NA
Water Level	109.62				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-21 — Lab Sample ID: 660-48974-2

Client Sample ID: MW-21 (Continued)

Lab Sample ID: 660-48974-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	10		1.0	0.52	ug/L	1		8260B	Total/NA
Benzene	1.8		1.0	0.50	ug/L	1		8260B	Total/NA
Chlorobenzene	1.5		1.0	0.63	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.8		1.0	0.65	ug/L	1		8260B	Total/NA
Ethylbenzene	1.3		1.0	0.44	ug/L	1		8260B	Total/NA
Vinyl chloride	0.84	I	1.0	0.50	ug/L	1		8260B	Total/NA
Xylenes, Total	2.2	I	3.0	0.50	ug/L	1		8260B	Total/NA
Arsenic	2.0	I	2.5	1.3	ug/L	1		6020	Total Recoverable
Barium	36		5.0	1.3	ug/L	1		6020	Total Recoverable
Beryllium	0.26	I	0.50	0.25	ug/L	1		6020	Total Recoverable
Cadmium	0.18	I	0.50	0.095	ug/L	1		6020	Total Recoverable
Chromium	3.7	I	5.0	2.5	ug/L	1		6020	Total Recoverable
Cobalt	0.49	I	0.50	0.15	ug/L	1		6020	Total Recoverable
Copper	1.1	I	5.0	1.1	ug/L	1		6020	Total Recoverable
Iron	1400		100	33	ug/L	1		6020	Total Recoverable
Lead	1.8		1.5	0.20	ug/L	1		6020	Total Recoverable
Sodium	2.0		0.50	0.25	mg/L	1		6020	Total Recoverable
Arsenic	2.4	I	2.5	1.3	ug/L	1		6020	Dissolved
Barium	3.5	I	5.0	1.3	ug/L	1		6020	Dissolved
Cobalt	0.50		0.50	0.15	ug/L	1		6020	Dissolved
Iron	1100		100	33	ug/L	1		6020	Dissolved
Sodium	2.0		0.50	0.25	mg/L	1		6020	Dissolved
Chloride	4.2		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	1.5		0.060	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	20		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Cloudy				Color Units	1		Field Sampling	Total/NA
Field pH	4.48				SU	1		Field Sampling	Total/NA
Field Temperature	24.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.31				mg/L	1		Field Sampling	Total/NA
Specific Conductance	66				umhos/cm	1		Field Sampling	Total/NA
Turbidity	30.9				NTU	1		Field Sampling	Total/NA
Water Level	107.80				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-10

Lab Sample ID: 660-48974-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.5		1.0	0.52	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	7.6		1.0	0.52	ug/L	1		8260B	Total/NA
Benzene	1.7		1.0	0.50	ug/L	1		8260B	Total/NA
Chlorobenzene	0.66	I	1.0	0.63	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	6.1		1.0	0.65	ug/L	1		8260B	Total/NA
Methylene Chloride	4.6	I	5.0	4.0	ug/L	1		8260B	Total/NA
Vinyl chloride	2.5		1.0	0.50	ug/L	1		8260B	Total/NA
Xylenes, Total	3.0		3.0	0.50	ug/L	1		8260B	Total/NA
Arsenic	2.6		2.5	1.3	ug/L	1		6020	Total Recoverable

Client Sample ID: MW-10 (Continued) — Lab Sample ID: 660-48974-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	110		5.0	1.3	ug/L	1		6020	Total Recoverable
Cadmium	0.60		0.50	0.095	ug/L	1		6020	Total Recoverable
Chromium	7.3		5.0	2.5	ug/L	1		6020	Total Recoverable
Cobalt	0.56		0.50	0.15	ug/L	1		6020	Total Recoverable
Iron	6300		100	33	ug/L	1		6020	Total Recoverable
Lead	4.1		1.5	0.20	ug/L	1		6020	Total Recoverable
Nickel	4.2	I	5.0	2.0	ug/L	1		6020	Total Recoverable
Selenium	1.2	I V	2.5	1.0	ug/L	1		6020	Total Recoverable
Sodium	5.0		0.50	0.25	mg/L	1		6020	Total Recoverable
Zinc	14	I	20	8.3	ug/L	1		6020	Total Recoverable
Arsenic	2.6		2.5	1.3	ug/L	1		6020	Dissolved
Barium	5.7		5.0	1.3	ug/L	1		6020	Dissolved
Cobalt	0.61		0.50	0.15	ug/L	1		6020	Dissolved
Iron	6300		100	33	ug/L	1		6020	Dissolved
Nickel	3.3	I	5.0	2.0	ug/L	1		6020	Dissolved
Sodium	5.0		0.50	0.25	mg/L	1		6020	Dissolved
Zinc	16	I	20	8.3	ug/L	1		6020	Dissolved
Chloride	4.2		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.39		0.060	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	24		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Cloudy				Color Units	1		Field Sampling	Total/NA
Field pH	4.47				SU	1		Field Sampling	Total/NA
Field Temperature	23.7				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.31				mg/L	1		Field Sampling	Total/NA
Specific Conductance	51				umhos/cm	1		Field Sampling	Total/NA
Turbidity	38.7				NTU	1		Field Sampling	Total/NA
Water Level	105.38				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-18 — Lab Sample ID: 660-48974-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	4.90				SU	1		Field Sampling	Total/NA
Field Temperature	23.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	2.04				mg/L	1		Field Sampling	Total/NA
Specific Conductance	61				umhos/cm	1		Field Sampling	Total/NA
Turbidity	7.16				NTU	1		Field Sampling	Total/NA
Water Level	105.01				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-19 — Lab Sample ID: 660-48974-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	5.76				SU	1		Field Sampling	Total/NA
Field Temperature	23.7				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.90				mg/L	1		Field Sampling	Total/NA

Detection Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-19 (Continued)

Lab Sample ID: 660-48974-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	88				umhos/cm	1		Field Sampling	Total/NA
Turbidity	4.94				NTU	1		Field Sampling	Total/NA
Water Level	105.50				ft	1		Field Sampling	Total/NA

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: Field Blank
Date Collected: 07/17/12 10:07
Date Received: 07/17/12 17:25

Lab Sample ID: 660-48922-1
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			07/20/12 12:48	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			07/20/12 12:48	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			07/20/12 12:48	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			07/20/12 12:48	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			07/20/12 12:48	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			07/20/12 12:48	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			07/20/12 12:48	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			07/20/12 12:48	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			07/20/12 12:48	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			07/20/12 12:48	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			07/20/12 12:48	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			07/20/12 12:48	1
2-Butanone	8.4	U	10	8.4	ug/L			07/20/12 12:48	1
2-Hexanone	4.4	U	10	4.4	ug/L			07/20/12 12:48	1
Acetone	9.9	U	20	9.9	ug/L			07/20/12 12:48	1
Acrylonitrile	1.2	U	10	1.2	ug/L			07/20/12 12:48	1
Benzene	0.50	U	1.0	0.50	ug/L			07/20/12 12:48	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			07/20/12 12:48	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			07/20/12 12:48	1
Bromoform	0.58	U	1.0	0.58	ug/L			07/20/12 12:48	1
Bromomethane	2.5	U	5.0	2.5	ug/L			07/20/12 12:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			07/20/12 12:48	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			07/20/12 12:48	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			07/20/12 12:48	1
Chloroethane	2.5	U	5.0	2.5	ug/L			07/20/12 12:48	1
Chloroform	0.90	U	1.0	0.90	ug/L			07/20/12 12:48	1
Chloromethane	1.0	U	4.0	1.0	ug/L			07/20/12 12:48	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			07/20/12 12:48	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 12:48	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			07/20/12 12:48	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			07/20/12 12:48	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			07/20/12 12:48	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			07/20/12 12:48	1
Iodomethane	2.5	U	5.0	2.5	ug/L			07/20/12 12:48	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			07/20/12 12:48	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/20/12 12:48	1
Styrene	0.98	U	2.0	0.98	ug/L			07/20/12 12:48	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 12:48	1
Toluene	0.51	U	1.0	0.51	ug/L			07/20/12 12:48	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			07/20/12 12:48	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 12:48	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			07/20/12 12:48	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 12:48	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			07/20/12 12:48	1
Vinyl acetate	1.5	U	10	1.5	ug/L			07/20/12 12:48	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			07/20/12 12:48	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			07/20/12 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*07/20/12 12:48*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*07/20/12 12:48*	*1*

Client Sample ID: Field Blank

Lab Sample ID: 660-48922-1

Date Collected: 07/17/12 10:07

Matrix: Ground Water

Date Received: 07/17/12 17:25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/20/12 12:48*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0057	U	0.019	0.0057	ug/L		07/24/12 10:15	07/24/12 21:04	1
Ethylene Dibromide	0.0061	U	0.019	0.0061	ug/L		07/24/12 10:15	07/24/12 21:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	*93*		*56 - 144*	*07/24/12 10:15*	*07/24/12 21:04*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/20/12 06:22	07/22/12 14:20	1
Arsenic	1.3	U	2.5	1.3	ug/L		07/20/12 06:22	07/22/12 14:20	1
Barium	1.3	U	5.0	1.3	ug/L		07/20/12 06:22	07/22/12 14:20	1
Beryllium	0.25	U	0.50	0.25	ug/L		07/20/12 06:22	07/22/12 14:20	1
Cadmium	0.095	U	0.50	0.095	ug/L		07/20/12 06:22	07/22/12 14:20	1
Chromium	2.5	U	5.0	2.5	ug/L		07/20/12 06:22	07/22/12 14:20	1
Cobalt	0.15	U	0.50	0.15	ug/L		07/20/12 06:22	07/22/12 14:20	1
Copper	1.1	U	5.0	1.1	ug/L		07/20/12 06:22	07/22/12 14:20	1
Iron	33	U	100	33	ug/L		07/20/12 06:22	07/22/12 14:20	1
Lead	0.20	U	1.5	0.20	ug/L		07/20/12 06:22	07/22/12 14:20	1
Nickel	2.0	U	5.0	2.0	ug/L		07/20/12 06:22	07/22/12 14:20	1
Selenium	1.0	U	2.5	1.0	ug/L		07/20/12 06:22	07/22/12 14:20	1
Silver	0.25	U	1.0	0.25	ug/L		07/20/12 06:22	07/22/12 14:20	1
Sodium	0.25	U	0.50	0.25	mg/L		07/20/12 06:22	07/22/12 14:20	1
Thallium	0.50	U	1.0	0.50	ug/L		07/20/12 06:22	07/22/12 14:20	1
Vanadium	3.8	U	10	3.8	ug/L		07/20/12 06:22	07/22/12 14:20	1
Zinc	8.3	U	20	8.3	ug/L		07/20/12 06:22	07/22/12 14:20	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		07/19/12 14:53	07/20/12 14:13	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			07/26/12 15:49	1
Ammonia as N	**0.23**		0.060	0.010	mg/L			07/25/12 20:20	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			07/18/12 14:48	1
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			07/24/12 11:16	1

Client Sample ID: MW-11

Lab Sample ID: 660-48922-2

Date Collected: 07/17/12 11:05

Matrix: Ground Water

Date Received: 07/17/12 17:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			07/20/12 10:03	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			07/20/12 10:03	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			07/20/12 10:03	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			07/20/12 10:03	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			07/20/12 10:03	1

Client Sample ID: MW-11
Date Collected: 07/17/12 11:05
Date Received: 07/17/12 17:25

Lab Sample ID: 660-48922-2
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			07/20/12 10:03	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			07/20/12 10:03	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			07/20/12 10:03	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			07/20/12 10:03	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			07/20/12 10:03	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			07/20/12 10:03	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			07/20/12 10:03	1
2-Butanone	8.4	U	10	8.4	ug/L			07/20/12 10:03	1
2-Hexanone	4.4	U	10	4.4	ug/L			07/20/12 10:03	1
Acetone	9.9	U	20	9.9	ug/L			07/20/12 10:03	1
Acrylonitrile	1.2	U	10	1.2	ug/L			07/20/12 10:03	1
Benzene	0.50	U	1.0	0.50	ug/L			07/20/12 10:03	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			07/20/12 10:03	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			07/20/12 10:03	1
Bromoform	0.58	U	1.0	0.58	ug/L			07/20/12 10:03	1
Bromomethane	2.5	U	5.0	2.5	ug/L			07/20/12 10:03	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			07/20/12 10:03	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			07/20/12 10:03	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			07/20/12 10:03	1
Chloroethane	2.5	U	5.0	2.5	ug/L			07/20/12 10:03	1
Chloroform	0.90	U	1.0	0.90	ug/L			07/20/12 10:03	1
Chloromethane	1.0	U	4.0	1.0	ug/L			07/20/12 10:03	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			07/20/12 10:03	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 10:03	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			07/20/12 10:03	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			07/20/12 10:03	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			07/20/12 10:03	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			07/20/12 10:03	1
Iodomethane	2.5	U	5.0	2.5	ug/L			07/20/12 10:03	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			07/20/12 10:03	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/20/12 10:03	1
Styrene	0.98	U	2.0	0.98	ug/L			07/20/12 10:03	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 10:03	1
Toluene	0.51	U	1.0	0.51	ug/L			07/20/12 10:03	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			07/20/12 10:03	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 10:03	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			07/20/12 10:03	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 10:03	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			07/20/12 10:03	1
Vinyl acetate	1.5	U	10	1.5	ug/L			07/20/12 10:03	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			07/20/12 10:03	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			07/20/12 10:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*07/20/12 10:03*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*07/20/12 10:03*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/20/12 10:03*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0057	U	0.019	0.0057	ug/L		07/24/12 10:15	07/24/12 21:19	1

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-11
Date Collected: 07/17/12 11:05
Date Received: 07/17/12 17:25

Lab Sample ID: 660-48922-2
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0061	U	0.019	0.0061	ug/L		07/24/12 10:15	07/24/12 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*96*		*56 - 144*	*07/24/12 10:15*	*07/24/12 21:19*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/20/12 06:22	07/22/12 14:26	1
Arsenic	1.3	U	2.5	1.3	ug/L		07/20/12 06:22	07/22/12 14:26	1
Barium	**19**		5.0	1.3	ug/L		07/20/12 06:22	07/22/12 14:26	1
Beryllium	0.25	U	0.50	0.25	ug/L		07/20/12 06:22	07/22/12 14:26	1
Cadmium	**0.16**	**I**	0.50	0.095	ug/L		07/20/12 06:22	07/22/12 14:26	1
Chromium	2.5	U	5.0	2.5	ug/L		07/20/12 06:22	07/22/12 14:26	1
Cobalt	0.15	U	0.50	0.15	ug/L		07/20/12 06:22	07/22/12 14:26	1
Copper	1.1	U	5.0	1.1	ug/L		07/20/12 06:22	07/22/12 14:26	1
Iron	**40**	**I**	100	33	ug/L		07/20/12 06:22	07/22/12 14:26	1
Lead	0.20	U	1.5	0.20	ug/L		07/20/12 06:22	07/22/12 14:26	1
Nickel	2.0	U	5.0	2.0	ug/L		07/20/12 06:22	07/22/12 14:26	1
Selenium	1.0	U	2.5	1.0	ug/L		07/20/12 06:22	07/22/12 14:26	1
Silver	0.25	U	1.0	0.25	ug/L		07/20/12 06:22	07/22/12 14:26	1
Sodium	**3.5**		0.50	0.25	mg/L		07/20/12 06:22	07/22/12 14:26	1
Thallium	**0.95**	**I**	1.0	0.50	ug/L		07/20/12 06:22	07/22/12 14:26	1
Vanadium	3.8	U	10	3.8	ug/L		07/20/12 06:22	07/22/12 14:26	1
Zinc	8.3	U	20	8.3	ug/L		07/20/12 06:22	07/22/12 14:26	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		07/19/12 14:53	07/20/12 14:16	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.0**		0.50	0.20	mg/L			07/26/12 13:15	1
Ammonia as N	**0.35**		0.060	0.010	mg/L			07/25/12 20:17	1
Nitrate as N	**1.1**		0.50	0.10	mg/L			07/18/12 14:45	1
Total Dissolved Solids	**200**		10	10	mg/L			07/24/12 11:16	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Clear**				Color Units			07/17/12 11:05	1
Field pH	**6.75**				SU			07/17/12 11:05	1
Field Temperature	**23.3**				Degrees C			07/17/12 11:05	1
Oxygen, Dissolved	**0.41**				mg/L			07/17/12 11:05	1
Specific Conductance	**383**				umhos/cm			07/17/12 11:05	1
Turbidity	**0.66**				NTU			07/17/12 11:05	1
Water Level	**97.62**				ft			07/17/12 11:05	1

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-17
Date Collected: 07/17/12 12:17
Date Received: 07/17/12 17:25

Lab Sample ID: 660-48922-3
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			07/20/12 10:26	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			07/20/12 10:26	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			07/20/12 10:26	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			07/20/12 10:26	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			07/20/12 10:26	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			07/20/12 10:26	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			07/20/12 10:26	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			07/20/12 10:26	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			07/20/12 10:26	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			07/20/12 10:26	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			07/20/12 10:26	1
1,4-Dichlorobenzene	**0.74**	**I**	1.0	0.52	ug/L			07/20/12 10:26	1
2-Butanone	8.4	U	10	8.4	ug/L			07/20/12 10:26	1
2-Hexanone	4.4	U	10	4.4	ug/L			07/20/12 10:26	1
Acetone	9.9	U	20	9.9	ug/L			07/20/12 10:26	1
Acrylonitrile	1.2	U	10	1.2	ug/L			07/20/12 10:26	1
Benzene	0.50	U	1.0	0.50	ug/L			07/20/12 10:26	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			07/20/12 10:26	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			07/20/12 10:26	1
Bromoform	0.58	U	1.0	0.58	ug/L			07/20/12 10:26	1
Bromomethane	2.5	U	5.0	2.5	ug/L			07/20/12 10:26	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			07/20/12 10:26	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			07/20/12 10:26	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			07/20/12 10:26	1
Chloroethane	2.5	U	5.0	2.5	ug/L			07/20/12 10:26	1
Chloroform	0.90	U	1.0	0.90	ug/L			07/20/12 10:26	1
Chloromethane	1.0	U	4.0	1.0	ug/L			07/20/12 10:26	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			07/20/12 10:26	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 10:26	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			07/20/12 10:26	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			07/20/12 10:26	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			07/20/12 10:26	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			07/20/12 10:26	1
Iodomethane	2.5	U	5.0	2.5	ug/L			07/20/12 10:26	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			07/20/12 10:26	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/20/12 10:26	1
Styrene	0.98	U	2.0	0.98	ug/L			07/20/12 10:26	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 10:26	1
Toluene	0.51	U	1.0	0.51	ug/L			07/20/12 10:26	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			07/20/12 10:26	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 10:26	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			07/20/12 10:26	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 10:26	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			07/20/12 10:26	1
Vinyl acetate	1.5	U	10	1.5	ug/L			07/20/12 10:26	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			07/20/12 10:26	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			07/20/12 10:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*07/20/12 10:26*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*07/20/12 10:26*	*1*

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-17
Date Collected: 07/17/12 12:17
Date Received: 07/17/12 17:25

Lab Sample ID: 660-48922-3
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/20/12 10:26*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0057	U	0.019	0.0057	ug/L		07/24/12 10:15	07/24/12 21:33	1
Ethylene Dibromide	0.0061	U	0.019	0.0061	ug/L		07/24/12 10:15	07/24/12 21:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	*102*		*56 - 144*	*07/24/12 10:15*	*07/24/12 21:33*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/20/12 06:22	07/22/12 14:33	1
Arsenic	**3.9**		2.5	1.3	ug/L		07/20/12 06:22	07/22/12 14:33	1
Barium	**10**		5.0	1.3	ug/L		07/20/12 06:22	07/22/12 14:33	1
Beryllium	0.25	U	0.50	0.25	ug/L		07/20/12 06:22	07/22/12 14:33	1
Cadmium	0.095	U	0.50	0.095	ug/L		07/20/12 06:22	07/22/12 14:33	1
Chromium	2.5	U	5.0	2.5	ug/L		07/20/12 06:22	07/22/12 14:33	1
Cobalt	**5.2**		0.50	0.15	ug/L		07/20/12 06:22	07/22/12 14:33	1
Copper	1.1	U	5.0	1.1	ug/L		07/20/12 06:22	07/22/12 14:33	1
Iron	**7700**		100	33	ug/L		07/20/12 06:22	07/22/12 14:33	1
Lead	**0.24**	**I**	1.5	0.20	ug/L		07/20/12 06:22	07/22/12 14:33	1
Nickel	**2.5**	**I**	5.0	2.0	ug/L		07/20/12 06:22	07/22/12 14:33	1
Selenium	1.0	U	2.5	1.0	ug/L		07/20/12 06:22	07/22/12 14:33	1
Silver	0.25	U	1.0	0.25	ug/L		07/20/12 06:22	07/22/12 14:33	1
Sodium	**2.3**		0.50	0.25	mg/L		07/20/12 06:22	07/22/12 14:33	1
Thallium	0.50	U	1.0	0.50	ug/L		07/20/12 06:22	07/22/12 14:33	1
Vanadium	3.8	U	10	3.8	ug/L		07/20/12 06:22	07/22/12 14:33	1
Zinc	8.3	U	20	8.3	ug/L		07/20/12 06:22	07/22/12 14:33	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		07/19/12 14:53	07/20/12 14:26	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.2**		0.50	0.20	mg/L			07/26/12 14:01	1
Ammonia as N	0.010	U	0.060	0.010	mg/L			07/25/12 20:22	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			07/18/12 14:49	1
Total Dissolved Solids	**18**		5.0	5.0	mg/L			07/24/12 11:16	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Clear**				Color Units			07/17/12 12:17	1
Field pH	**4.69**				SU			07/17/12 12:17	1
Field Temperature	**23.7**				Degrees C			07/17/12 12:17	1
Oxygen, Dissolved	**0.24**				mg/L			07/17/12 12:17	1
Specific Conductance	**50**				umhos/cm			07/17/12 12:17	1
Turbidity	**4.06**				NTU			07/17/12 12:17	1
Water Level	**103.47**				ft			07/17/12 12:17	1

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-15
Date Collected: 07/17/12 15:23
Date Received: 07/17/12 17:25

Lab Sample ID: 660-48922-4
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			07/20/12 13:10	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			07/20/12 13:10	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			07/20/12 13:10	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			07/20/12 13:10	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			07/20/12 13:10	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			07/20/12 13:10	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			07/20/12 13:10	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			07/20/12 13:10	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			07/20/12 13:10	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			07/20/12 13:10	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			07/20/12 13:10	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			07/20/12 13:10	1
2-Butanone	8.4	U	10	8.4	ug/L			07/20/12 13:10	1
2-Hexanone	4.4	U	10	4.4	ug/L			07/20/12 13:10	1
Acetone	9.9	U	20	9.9	ug/L			07/20/12 13:10	1
Acrylonitrile	1.2	U	10	1.2	ug/L			07/20/12 13:10	1
Benzene	0.50	U	1.0	0.50	ug/L			07/20/12 13:10	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			07/20/12 13:10	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			07/20/12 13:10	1
Bromoform	0.58	U	1.0	0.58	ug/L			07/20/12 13:10	1
Bromomethane	2.5	U	5.0	2.5	ug/L			07/20/12 13:10	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			07/20/12 13:10	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			07/20/12 13:10	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			07/20/12 13:10	1
Chloroethane	2.5	U	5.0	2.5	ug/L			07/20/12 13:10	1
Chloroform	0.90	U	1.0	0.90	ug/L			07/20/12 13:10	1
Chloromethane	1.0	U	4.0	1.0	ug/L			07/20/12 13:10	1
cis-1,2-Dichloroethene	**3.0**		1.0	0.65	ug/L			07/20/12 13:10	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 13:10	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			07/20/12 13:10	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			07/20/12 13:10	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			07/20/12 13:10	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			07/20/12 13:10	1
Iodomethane	2.5	U	5.0	2.5	ug/L			07/20/12 13:10	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			07/20/12 13:10	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/20/12 13:10	1
Styrene	0.98	U	2.0	0.98	ug/L			07/20/12 13:10	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 13:10	1
Toluene	0.51	U	1.0	0.51	ug/L			07/20/12 13:10	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			07/20/12 13:10	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 13:10	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			07/20/12 13:10	1
Trichloroethene	**0.88**	**I**	1.0	0.50	ug/L			07/20/12 13:10	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			07/20/12 13:10	1
Vinyl acetate	1.5	U	10	1.5	ug/L			07/20/12 13:10	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			07/20/12 13:10	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			07/20/12 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*07/20/12 13:10*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*07/20/12 13:10*	*1*

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-15
Date Collected: 07/17/12 15:23
Date Received: 07/17/12 17:25

Lab Sample ID: 660-48922-4
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/20/12 13:10*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0057	U	0.019	0.0057	ug/L		07/24/12 10:15	07/24/12 21:48	1
Ethylene Dibromide	0.0061	U	0.019	0.0061	ug/L		07/24/12 10:15	07/24/12 21:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	*97*		*56 - 144*	*07/24/12 10:15*	*07/24/12 21:48*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/20/12 06:22	07/22/12 14:40	1
Arsenic	**4.9**		2.5	1.3	ug/L		07/20/12 06:22	07/22/12 14:40	1
Barium	**6.7**		5.0	1.3	ug/L		07/20/12 06:22	07/22/12 14:40	1
Beryllium	0.25	U	0.50	0.25	ug/L		07/20/12 06:22	07/22/12 14:40	1
Cadmium	**0.69**		0.50	0.095	ug/L		07/20/12 06:22	07/22/12 14:40	1
Chromium	2.5	U	5.0	2.5	ug/L		07/20/12 06:22	07/22/12 14:40	1
Cobalt	**0.33**	**I**	0.50	0.15	ug/L		07/20/12 06:22	07/22/12 14:40	1
Copper	**1.7**	**I**	5.0	1.1	ug/L		07/20/12 06:22	07/22/12 14:40	1
Iron	**8200**		100	33	ug/L		07/20/12 06:22	07/22/12 14:40	1
Lead	**0.44**	**I**	1.5	0.20	ug/L		07/20/12 06:22	07/22/12 14:40	1
Nickel	**4.0**	**I**	5.0	2.0	ug/L		07/20/12 06:22	07/22/12 14:40	1
Selenium	**1.1**	**I**	2.5	1.0	ug/L		07/20/12 06:22	07/22/12 14:40	1
Silver	**0.27**	**I**	1.0	0.25	ug/L		07/20/12 06:22	07/22/12 14:40	1
Sodium	**1.9**		0.50	0.25	mg/L		07/20/12 06:22	07/22/12 14:40	1
Thallium	0.50	U	1.0	0.50	ug/L		07/20/12 06:22	07/22/12 14:40	1
Vanadium	3.8	U	10	3.8	ug/L		07/20/12 06:22	07/22/12 14:40	1
Zinc	**30**		20	8.3	ug/L		07/20/12 06:22	07/22/12 14:40	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		07/19/12 14:53	07/20/12 14:30	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.8**		0.50	0.20	mg/L			07/26/12 14:16	1
Ammonia as N	**0.19**		0.060	0.010	mg/L			07/25/12 20:23	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			07/18/12 14:51	1
Total Dissolved Solids	**14**		5.0	5.0	mg/L			07/24/12 11:16	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Clear**				Color Units			07/17/12 15:23	1
Field pH	**4.56**				SU			07/17/12 15:23	1
Field Temperature	**22.5**				Degrees C			07/17/12 15:23	1
Oxygen, Dissolved	**0.15**				mg/L			07/17/12 15:23	1
Specific Conductance	**47**				umhos/cm			07/17/12 15:23	1
Turbidity	**3.91**				NTU			07/17/12 15:23	1
Water Level	**117.02**				ft			07/17/12 15:23	1

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-12
Date Collected: 07/17/12 11:11
Date Received: 07/17/12 17:25

Lab Sample ID: 660-48922-5
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			07/20/12 13:33	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			07/20/12 13:33	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			07/20/12 13:33	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			07/20/12 13:33	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			07/20/12 13:33	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			07/20/12 13:33	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			07/20/12 13:33	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			07/20/12 13:33	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			07/20/12 13:33	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			07/20/12 13:33	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			07/20/12 13:33	1
1,4-Dichlorobenzene	**1.2**		1.0	0.52	ug/L			07/20/12 13:33	1
2-Butanone	8.4	U	10	8.4	ug/L			07/20/12 13:33	1
2-Hexanone	4.4	U	10	4.4	ug/L			07/20/12 13:33	1
Acetone	9.9	U	20	9.9	ug/L			07/20/12 13:33	1
Acrylonitrile	1.2	U	10	1.2	ug/L			07/20/12 13:33	1
Benzene	0.50	U	1.0	0.50	ug/L			07/20/12 13:33	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			07/20/12 13:33	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			07/20/12 13:33	1
Bromoform	0.58	U	1.0	0.58	ug/L			07/20/12 13:33	1
Bromomethane	2.5	U	5.0	2.5	ug/L			07/20/12 13:33	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			07/20/12 13:33	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			07/20/12 13:33	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			07/20/12 13:33	1
Chloroethane	2.5	U	5.0	2.5	ug/L			07/20/12 13:33	1
Chloroform	0.90	U	1.0	0.90	ug/L			07/20/12 13:33	1
Chloromethane	1.0	U	4.0	1.0	ug/L			07/20/12 13:33	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			07/20/12 13:33	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 13:33	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			07/20/12 13:33	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			07/20/12 13:33	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			07/20/12 13:33	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			07/20/12 13:33	1
Iodomethane	2.5	U	5.0	2.5	ug/L			07/20/12 13:33	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			07/20/12 13:33	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/20/12 13:33	1
Styrene	0.98	U	2.0	0.98	ug/L			07/20/12 13:33	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 13:33	1
Toluene	0.51	U	1.0	0.51	ug/L			07/20/12 13:33	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			07/20/12 13:33	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 13:33	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			07/20/12 13:33	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 13:33	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			07/20/12 13:33	1
Vinyl acetate	1.5	U	10	1.5	ug/L			07/20/12 13:33	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			07/20/12 13:33	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			07/20/12 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*07/20/12 13:33*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*07/20/12 13:33*	*1*

Client Sample ID: MW-12
Date Collected: 07/17/12 11:11
Date Received: 07/17/12 17:25

Lab Sample ID: 660-48922-5
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/20/12 13:33*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0057	U	0.019	0.0057	ug/L		07/24/12 10:15	07/24/12 22:03	1
Ethylene Dibromide	0.0061	U	0.019	0.0061	ug/L		07/24/12 10:15	07/24/12 22:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	*96*		*56 - 144*	*07/24/12 10:15*	*07/24/12 22:03*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/20/12 06:22	07/22/12 14:47	1
Arsenic	**4.1**		2.5	1.3	ug/L		07/20/12 06:22	07/22/12 14:47	1
Barium	**19**		5.0	1.3	ug/L		07/20/12 06:22	07/22/12 14:47	1
Beryllium	0.25	U	0.50	0.25	ug/L		07/20/12 06:22	07/22/12 14:47	1
Cadmium	**0.14**	**I**	0.50	0.095	ug/L		07/20/12 06:22	07/22/12 14:47	1
Chromium	2.5	U	5.0	2.5	ug/L		07/20/12 06:22	07/22/12 14:47	1
Cobalt	**1.2**		0.50	0.15	ug/L		07/20/12 06:22	07/22/12 14:47	1
Copper	1.1	U	5.0	1.1	ug/L		07/20/12 06:22	07/22/12 14:47	1
Iron	**6900**		100	33	ug/L		07/20/12 06:22	07/22/12 14:47	1
Lead	0.20	U	1.5	0.20	ug/L		07/20/12 06:22	07/22/12 14:47	1
Nickel	**2.2**	**I**	5.0	2.0	ug/L		07/20/12 06:22	07/22/12 14:47	1
Selenium	1.0	U	2.5	1.0	ug/L		07/20/12 06:22	07/22/12 14:47	1
Silver	0.25	U	1.0	0.25	ug/L		07/20/12 06:22	07/22/12 14:47	1
Sodium	**2.9**		0.50	0.25	mg/L		07/20/12 06:22	07/22/12 14:47	1
Thallium	0.50	U	1.0	0.50	ug/L		07/20/12 06:22	07/22/12 14:47	1
Vanadium	3.8	U	10	3.8	ug/L		07/20/12 06:22	07/22/12 14:47	1
Zinc	8.3	U	20	8.3	ug/L		07/20/12 06:22	07/22/12 14:47	1

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/20/12 06:22	07/22/12 14:53	1
Arsenic	**3.7**		2.5	1.3	ug/L		07/20/12 06:22	07/22/12 14:53	1
Barium	**18**		5.0	1.3	ug/L		07/20/12 06:22	07/22/12 14:53	1
Beryllium	0.25	U	0.50	0.25	ug/L		07/20/12 06:22	07/22/12 14:53	1
Cadmium	0.095	U	0.50	0.095	ug/L		07/20/12 06:22	07/22/12 14:53	1
Chromium	2.5	U	5.0	2.5	ug/L		07/20/12 06:22	07/22/12 14:53	1
Cobalt	**1.1**		0.50	0.15	ug/L		07/20/12 06:22	07/22/12 14:53	1
Copper	1.1	U	5.0	1.1	ug/L		07/20/12 06:22	07/22/12 14:53	1
Iron	**6900**		100	33	ug/L		07/20/12 06:22	07/22/12 14:53	1
Lead	0.20	U	1.5	0.20	ug/L		07/20/12 06:22	07/22/12 14:53	1
Nickel	**2.1**	**I**	5.0	2.0	ug/L		07/20/12 06:22	07/22/12 14:53	1
Selenium	1.0	U	2.5	1.0	ug/L		07/20/12 06:22	07/22/12 14:53	1
Silver	0.25	U	1.0	0.25	ug/L		07/20/12 06:22	07/22/12 14:53	1
Sodium	**3.0**		0.50	0.25	mg/L		07/20/12 06:22	07/22/12 14:53	1
Thallium	0.50	U	1.0	0.50	ug/L		07/20/12 06:22	07/22/12 14:53	1
Vanadium	3.8	U	10	3.8	ug/L		07/20/12 06:22	07/22/12 14:53	1
Zinc	8.3	U	20	8.3	ug/L		07/20/12 06:22	07/22/12 14:53	1

Client Sample ID: MW-12

Lab Sample ID: 660-48922-5

Date Collected: 07/17/12 11:11

Matrix: Ground Water

Date Received: 07/17/12 17:25

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		07/19/12 14:53	07/20/12 14:33	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		07/19/12 14:53	07/20/12 14:36	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.4**		0.50	0.20	mg/L			07/26/12 14:32	1
Ammonia as N	**0.94**		0.060	0.010	mg/L			07/25/12 20:24	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			07/18/12 14:52	1
Total Dissolved Solids	**310**		10	10	mg/L			07/24/12 11:16	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Clear**				Color Units			07/17/12 11:11	1
Field pH	**6.76**				SU			07/17/12 11:11	1
Field Temperature	**24.6**				Degrees C			07/17/12 11:11	1
Oxygen, Dissolved	**0.32**				mg/L			07/17/12 11:11	1
Specific Conductance	**544**				umhos/cm			07/17/12 11:11	1
Turbidity	**11.3**				NTU			07/17/12 11:11	1
Water Level	**96.24**				ft			07/17/12 11:11	1

Client Sample ID: MW-13

Lab Sample ID: 660-48922-6

Date Collected: 07/17/12 12:25

Matrix: Ground Water

Date Received: 07/17/12 17:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			07/20/12 13:55	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			07/20/12 13:55	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			07/20/12 13:55	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			07/20/12 13:55	1
1,1-Dichloroethane	**0.67**	**I**	1.0	0.52	ug/L			07/20/12 13:55	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			07/20/12 13:55	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			07/20/12 13:55	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			07/20/12 13:55	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			07/20/12 13:55	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			07/20/12 13:55	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			07/20/12 13:55	1
1,4-Dichlorobenzene	**3.0**		1.0	0.52	ug/L			07/20/12 13:55	1
2-Butanone	8.4	U	10	8.4	ug/L			07/20/12 13:55	1
2-Hexanone	4.4	U	10	4.4	ug/L			07/20/12 13:55	1
Acetone	9.9	U	20	9.9	ug/L			07/20/12 13:55	1
Acrylonitrile	1.2	U	10	1.2	ug/L			07/20/12 13:55	1
Benzene	0.50	U	1.0	0.50	ug/L			07/20/12 13:55	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			07/20/12 13:55	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			07/20/12 13:55	1
Bromoform	0.58	U	1.0	0.58	ug/L			07/20/12 13:55	1
Bromomethane	2.5	U	5.0	2.5	ug/L			07/20/12 13:55	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			07/20/12 13:55	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			07/20/12 13:55	1

Client Sample ID: MW-13
Date Collected: 07/17/12 12:25
Date Received: 07/17/12 17:25

Lab Sample ID: 660-48922-6
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.63	U	1.0	0.63	ug/L			07/20/12 13:55	1
Chloroethane	2.5	U	5.0	2.5	ug/L			07/20/12 13:55	1
Chloroform	0.90	U	1.0	0.90	ug/L			07/20/12 13:55	1
Chloromethane	1.0	U	4.0	1.0	ug/L			07/20/12 13:55	1
cis-1,2-Dichloroethene	**2.2**		1.0	0.65	ug/L			07/20/12 13:55	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 13:55	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			07/20/12 13:55	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			07/20/12 13:55	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			07/20/12 13:55	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			07/20/12 13:55	1
Iodomethane	2.5	U	5.0	2.5	ug/L			07/20/12 13:55	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			07/20/12 13:55	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/20/12 13:55	1
Styrene	0.98	U	2.0	0.98	ug/L			07/20/12 13:55	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 13:55	1
Toluene	0.51	U	1.0	0.51	ug/L			07/20/12 13:55	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			07/20/12 13:55	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 13:55	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			07/20/12 13:55	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 13:55	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			07/20/12 13:55	1
Vinyl acetate	1.5	U	10	1.5	ug/L			07/20/12 13:55	1
Vinyl chloride	**0.72**	**I**	1.0	0.50	ug/L			07/20/12 13:55	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			07/20/12 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*07/20/12 13:55*	*1*
Dibromofluoromethane	*105*		*70 - 130*		*07/20/12 13:55*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/20/12 13:55*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0057	U	0.019	0.0057	ug/L		07/24/12 10:15	07/24/12 22:17	1
Ethylene Dibromide	0.0061	U	0.019	0.0061	ug/L		07/24/12 10:15	07/24/12 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*100*		*56 - 144*	*07/24/12 10:15*	*07/24/12 22:17*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/20/12 06:22	07/22/12 15:00	1
Arsenic	**4.8**		2.5	1.3	ug/L		07/20/12 06:22	07/22/12 15:00	1
Barium	**6.4**		5.0	1.3	ug/L		07/20/12 06:22	07/22/12 15:00	1
Beryllium	0.25	U	0.50	0.25	ug/L		07/20/12 06:22	07/22/12 15:00	1
Cadmium	0.095	U	0.50	0.095	ug/L		07/20/12 06:22	07/22/12 15:00	1
Chromium	2.5	U	5.0	2.5	ug/L		07/20/12 06:22	07/22/12 15:00	1
Cobalt	**8.2**		0.50	0.15	ug/L		07/20/12 06:22	07/22/12 15:00	1
Copper	1.1	U	5.0	1.1	ug/L		07/20/12 06:22	07/22/12 15:00	1
Iron	**3200**		100	33	ug/L		07/20/12 06:22	07/22/12 15:00	1
Lead	**0.25**	**I**	1.5	0.20	ug/L		07/20/12 06:22	07/22/12 15:00	1
Nickel	**4.3**	**I**	5.0	2.0	ug/L		07/20/12 06:22	07/22/12 15:00	1
Selenium	1.0	U	2.5	1.0	ug/L		07/20/12 06:22	07/22/12 15:00	1

Client Sample ID: MW-13

Date Collected: 07/17/12 12:25
Date Received: 07/17/12 17:25

Lab Sample ID: 660-48922-6
Matrix: Ground Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.25	U	1.0	0.25	ug/L		07/20/12 06:22	07/22/12 15:00	1
Sodium	**3.6**		0.50	0.25	mg/L		07/20/12 06:22	07/22/12 15:00	1
Thallium	0.50	U	1.0	0.50	ug/L		07/20/12 06:22	07/22/12 15:00	1
Vanadium	3.8	U	10	3.8	ug/L		07/20/12 06:22	07/22/12 15:00	1
Zinc	8.3	U	20	8.3	ug/L		07/20/12 06:22	07/22/12 15:00	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		07/19/12 14:53	07/20/12 14:39	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.0**		0.50	0.20	mg/L			07/26/12 14:47	1
Ammonia as N	**0.10**		0.060	0.010	mg/L			07/25/12 20:25	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			07/18/12 14:53	1
Total Dissolved Solids	**50**		5.0	5.0	mg/L			07/24/12 11:16	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Clear**				Color Units			07/17/12 12:25	1
Field pH	**5.29**				SU			07/17/12 12:25	1
Field Temperature	**23.9**				Degrees C			07/17/12 12:25	1
Oxygen, Dissolved	**0.26**				mg/L			07/17/12 12:25	1
Specific Conductance	**82**				umhos/cm			07/17/12 12:25	1
Turbidity	**4.27**				NTU			07/17/12 12:25	1
Water Level	**105.19**				ft			07/17/12 12:25	1

Client Sample ID: MW-14

Date Collected: 07/17/12 15:17
Date Received: 07/17/12 17:25

Lab Sample ID: 660-48922-7
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			07/20/12 14:18	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			07/20/12 14:18	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			07/20/12 14:18	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			07/20/12 14:18	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			07/20/12 14:18	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			07/20/12 14:18	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			07/20/12 14:18	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			07/20/12 14:18	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			07/20/12 14:18	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			07/20/12 14:18	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			07/20/12 14:18	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			07/20/12 14:18	1
2-Butanone	8.4	U	10	8.4	ug/L			07/20/12 14:18	1
2-Hexanone	4.4	U	10	4.4	ug/L			07/20/12 14:18	1
Acetone	9.9	U	20	9.9	ug/L			07/20/12 14:18	1
Acrylonitrile	1.2	U	10	1.2	ug/L			07/20/12 14:18	1
Benzene	0.50	U	1.0	0.50	ug/L			07/20/12 14:18	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			07/20/12 14:18	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			07/20/12 14:18	1

Client Sample ID: MW-14
Date Collected: 07/17/12 15:17
Date Received: 07/17/12 17:25

Lab Sample ID: 660-48922-7
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.58	U	1.0	0.58	ug/L			07/20/12 14:18	1
Bromomethane	2.5	U	5.0	2.5	ug/L			07/20/12 14:18	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			07/20/12 14:18	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			07/20/12 14:18	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			07/20/12 14:18	1
Chloroethane	2.5	U	5.0	2.5	ug/L			07/20/12 14:18	1
Chloroform	0.90	U	1.0	0.90	ug/L			07/20/12 14:18	1
Chloromethane	1.0	U	4.0	1.0	ug/L			07/20/12 14:18	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			07/20/12 14:18	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 14:18	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			07/20/12 14:18	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			07/20/12 14:18	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			07/20/12 14:18	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			07/20/12 14:18	1
Iodomethane	2.5	U	5.0	2.5	ug/L			07/20/12 14:18	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			07/20/12 14:18	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/20/12 14:18	1
Styrene	0.98	U	2.0	0.98	ug/L			07/20/12 14:18	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 14:18	1
Toluene	0.51	U	1.0	0.51	ug/L			07/20/12 14:18	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			07/20/12 14:18	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 14:18	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			07/20/12 14:18	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 14:18	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			07/20/12 14:18	1
Vinyl acetate	1.5	U	10	1.5	ug/L			07/20/12 14:18	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			07/20/12 14:18	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			07/20/12 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*07/20/12 14:18*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*07/20/12 14:18*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/20/12 14:18*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0056	U	0.018	0.0056	ug/L		07/24/12 10:15	07/24/12 22:32	1
Ethylene Dibromide	0.0060	U	0.018	0.0060	ug/L		07/24/12 10:15	07/24/12 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*98*		*56 - 144*	*07/24/12 10:15*	*07/24/12 22:32*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/20/12 06:22	07/22/12 15:07	1
Arsenic	1.3	U	2.5	1.3	ug/L		07/20/12 06:22	07/22/12 15:07	1
Barium	**18**		5.0	1.3	ug/L		07/20/12 06:22	07/22/12 15:07	1
Beryllium	0.25	U	0.50	0.25	ug/L		07/20/12 06:22	07/22/12 15:07	1
Cadmium	**0.60**		0.50	0.095	ug/L		07/20/12 06:22	07/22/12 15:07	1
Chromium	2.5	U	5.0	2.5	ug/L		07/20/12 06:22	07/22/12 15:07	1
Cobalt	**1.1**		0.50	0.15	ug/L		07/20/12 06:22	07/22/12 15:07	1
Copper	1.1	U	5.0	1.1	ug/L		07/20/12 06:22	07/22/12 15:07	1

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-14

Date Collected: 07/17/12 15:17
Date Received: 07/17/12 17:25

Lab Sample ID: 660-48922-7
Matrix: Ground Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**220**		100	33	ug/L		07/20/12 06:22	07/22/12 15:07	1
Lead	0.20	U	1.5	0.20	ug/L		07/20/12 06:22	07/22/12 15:07	1
Nickel	**2.0**	**I**	5.0	2.0	ug/L		07/20/12 06:22	07/22/12 15:07	1
Selenium	1.0	U	2.5	1.0	ug/L		07/20/12 06:22	07/22/12 15:07	1
Silver	0.25	U	1.0	0.25	ug/L		07/20/12 06:22	07/22/12 15:07	1
Sodium	**3.2**		0.50	0.25	mg/L		07/20/12 06:22	07/22/12 15:07	1
Thallium	0.50	U	1.0	0.50	ug/L		07/20/12 06:22	07/22/12 15:07	1
Vanadium	3.8	U	10	3.8	ug/L		07/20/12 06:22	07/22/12 15:07	1
Zinc	8.3	U	20	8.3	ug/L		07/20/12 06:22	07/22/12 15:07	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		07/19/12 14:53	07/20/12 14:43	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.6**		0.50	0.20	mg/L			07/26/12 12:28	1
Ammonia as N	**0.16**		0.060	0.010	mg/L			07/25/12 20:36	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			07/18/12 14:54	1
Total Dissolved Solids	**280**		10	10	mg/L			07/24/12 11:16	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Clear**				Color Units			07/17/12 15:17	1
Field pH	**6.79**				SU			07/17/12 15:17	1
Field Temperature	**23.4**				Degrees C			07/17/12 15:17	1
Oxygen, Dissolved	**0.23**				mg/L			07/17/12 15:17	1
Specific Conductance	**466**				umhos/cm			07/17/12 15:17	1
Turbidity	**4.85**				NTU			07/17/12 15:17	1
Water Level	**101.40**				ft			07/17/12 15:17	1

Client Sample ID: Trip Blank Assessment

Date Collected: 07/17/12 00:00
Date Received: 07/17/12 17:25

Lab Sample ID: 660-48922-8
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			07/20/12 14:40	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			07/20/12 14:40	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			07/20/12 14:40	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			07/20/12 14:40	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			07/20/12 14:40	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			07/20/12 14:40	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			07/20/12 14:40	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			07/20/12 14:40	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			07/20/12 14:40	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			07/20/12 14:40	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			07/20/12 14:40	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			07/20/12 14:40	1
2-Butanone	8.4	U	10	8.4	ug/L			07/20/12 14:40	1
2-Hexanone	4.4	U	10	4.4	ug/L			07/20/12 14:40	1
Acetone	9.9	U	20	9.9	ug/L			07/20/12 14:40	1

Client Sample ID: Trip Blank Assessment

Lab Sample ID: 660-48922-8

Date Collected: 07/17/12 00:00

Matrix: Ground Water

Date Received: 07/17/12 17:25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrylonitrile	1.2	U	10	1.2	ug/L			07/20/12 14:40	1
Benzene	0.50	U	1.0	0.50	ug/L			07/20/12 14:40	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			07/20/12 14:40	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			07/20/12 14:40	1
Bromoform	0.58	U	1.0	0.58	ug/L			07/20/12 14:40	1
Bromomethane	2.5	U	5.0	2.5	ug/L			07/20/12 14:40	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			07/20/12 14:40	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			07/20/12 14:40	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			07/20/12 14:40	1
Chloroethane	2.5	U	5.0	2.5	ug/L			07/20/12 14:40	1
Chloroform	0.90	U	1.0	0.90	ug/L			07/20/12 14:40	1
Chloromethane	1.0	U	4.0	1.0	ug/L			07/20/12 14:40	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			07/20/12 14:40	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 14:40	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			07/20/12 14:40	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			07/20/12 14:40	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			07/20/12 14:40	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			07/20/12 14:40	1
Iodomethane	2.5	U	5.0	2.5	ug/L			07/20/12 14:40	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			07/20/12 14:40	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/20/12 14:40	1
Styrene	0.98	U	2.0	0.98	ug/L			07/20/12 14:40	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 14:40	1
Toluene	0.51	U	1.0	0.51	ug/L			07/20/12 14:40	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			07/20/12 14:40	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 14:40	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			07/20/12 14:40	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 14:40	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			07/20/12 14:40	1
Vinyl acetate	1.5	U	10	1.5	ug/L			07/20/12 14:40	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			07/20/12 14:40	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			07/20/12 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*07/20/12 14:40*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*07/20/12 14:40*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/20/12 14:40*	*1*

Client Sample ID: MW-6

Lab Sample ID: 660-48949-1

Date Collected: 07/18/12 15:08

Matrix: Ground Water

Date Received: 07/18/12 17:20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			07/20/12 15:03	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			07/20/12 15:03	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			07/20/12 15:03	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			07/20/12 15:03	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			07/20/12 15:03	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			07/20/12 15:03	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			07/20/12 15:03	1

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-6
Date Collected: 07/18/12 15:08
Date Received: 07/18/12 17:20

Lab Sample ID: 660-48949-1
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			07/20/12 15:03	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			07/20/12 15:03	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			07/20/12 15:03	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			07/20/12 15:03	1
1,4-Dichlorobenzene	**0.61**	**I**	1.0	0.52	ug/L			07/20/12 15:03	1
2-Butanone	8.4	U	10	8.4	ug/L			07/20/12 15:03	1
2-Hexanone	4.4	U	10	4.4	ug/L			07/20/12 15:03	1
Acetone	9.9	U	20	9.9	ug/L			07/20/12 15:03	1
Acrylonitrile	1.2	U	10	1.2	ug/L			07/20/12 15:03	1
Benzene	**0.65**	**I**	1.0	0.50	ug/L			07/20/12 15:03	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			07/20/12 15:03	1
Bromodichloromethane	**1.2**		1.0	0.35	ug/L			07/20/12 15:03	1
Bromoform	0.58	U	1.0	0.58	ug/L			07/20/12 15:03	1
Bromomethane	2.5	U	5.0	2.5	ug/L			07/20/12 15:03	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			07/20/12 15:03	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			07/20/12 15:03	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			07/20/12 15:03	1
Chloroethane	2.5	U	5.0	2.5	ug/L			07/20/12 15:03	1
Chloroform	**1.9**		1.0	0.90	ug/L			07/20/12 15:03	1
Chloromethane	1.0	U	4.0	1.0	ug/L			07/20/12 15:03	1
cis-1,2-Dichloroethene	**0.85**	**I**	1.0	0.65	ug/L			07/20/12 15:03	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 15:03	1
Dibromochloromethane	**0.81**	**I**	1.0	0.34	ug/L			07/20/12 15:03	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			07/20/12 15:03	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			07/20/12 15:03	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			07/20/12 15:03	1
Iodomethane	2.5	U	5.0	2.5	ug/L			07/20/12 15:03	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			07/20/12 15:03	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/20/12 15:03	1
Styrene	0.98	U	2.0	0.98	ug/L			07/20/12 15:03	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 15:03	1
Toluene	0.51	U	1.0	0.51	ug/L			07/20/12 15:03	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			07/20/12 15:03	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 15:03	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			07/20/12 15:03	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 15:03	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			07/20/12 15:03	1
Vinyl acetate	1.5	U	10	1.5	ug/L			07/20/12 15:03	1
Vinyl chloride	**1.2**		1.0	0.50	ug/L			07/20/12 15:03	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			07/20/12 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*07/20/12 15:03*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*07/20/12 15:03*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/20/12 15:03*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0059	U	0.019	0.0059	ug/L		07/24/12 10:15	07/24/12 22:47	1
Ethylene Dibromide	0.0063	U	0.019	0.0063	ug/L		07/24/12 10:15	07/24/12 22:47	1

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-6
Date Collected: 07/18/12 15:08
Date Received: 07/18/12 17:20

Lab Sample ID: 660-48949-1
Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	96		56 - 144	07/24/12 10:15	07/24/12 22:47	1

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/23/12 15:08	07/24/12 22:30	1
Arsenic	1.3	U	2.5	1.3	ug/L		07/23/12 15:08	07/24/12 22:30	1
Barium	**72**		5.0	1.3	ug/L		07/23/12 15:08	07/24/12 22:30	1
Beryllium	**0.34**	**I**	0.50	0.25	ug/L		07/23/12 15:08	07/24/12 22:30	1
Cadmium	**0.21**	**I**	0.50	0.095	ug/L		07/23/12 15:08	07/24/12 22:30	1
Chromium	2.5	U	5.0	2.5	ug/L		07/23/12 15:08	07/24/12 22:30	1
Cobalt	**1.9**		0.50	0.15	ug/L		07/23/12 15:08	07/24/12 22:30	1
Copper	**8.3**		5.0	1.1	ug/L		07/23/12 15:08	07/24/12 22:30	1
Iron	**2400**		100	33	ug/L		07/23/12 15:08	07/24/12 22:30	1
Lead	**3.8**		1.5	0.20	ug/L		07/23/12 15:08	07/24/12 22:30	1
Nickel	**26**		5.0	2.0	ug/L		07/23/12 15:08	07/24/12 22:30	1
Selenium	1.0	U	2.5	1.0	ug/L		07/23/12 15:08	07/24/12 22:30	1
Silver	0.25	U	1.0	0.25	ug/L		07/23/12 15:08	07/24/12 22:30	1
Sodium	**120**	**J3**	0.50	0.25	mg/L		07/23/12 15:08	07/24/12 22:30	1
Thallium	0.50	U	1.0	0.50	ug/L		07/23/12 15:08	07/24/12 22:30	1
Vanadium	3.8	U	10	3.8	ug/L		07/23/12 15:08	07/24/12 22:30	1
Zinc	**13**	**I**	20	8.3	ug/L		07/23/12 15:08	07/24/12 22:30	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.26**		0.20	0.091	ug/L		07/24/12 14:35	07/26/12 21:00	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**240**		5.0	2.0	mg/L			07/26/12 11:27	10
Ammonia as N	**1.9**		0.060	0.010	mg/L			07/25/12 20:30	1
Total Dissolved Solids	**420**		17	17	mg/L			07/25/12 12:55	1

General Chemistry - DL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**2.3**		1.0	0.20	mg/L			07/19/12 14:49	2

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	**2.0**		2.0	2.0	CFU/100mL			07/18/12 18:15	2

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Clear**				Color Units			07/18/12 15:08	1
Field pH	**3.99**				SU			07/18/12 15:08	1
Field Temperature	**24.7**				Degrees C			07/18/12 15:08	1
Oxygen, Dissolved	**0.30**				mg/L			07/18/12 15:08	1
Specific Conductance	**782**				umhos/cm			07/18/12 15:08	1
Turbidity	**0.60**				NTU			07/18/12 15:08	1
Water Level	**110.95**				ft			07/18/12 15:08	1

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-7
Date Collected: 07/18/12 09:47
Date Received: 07/18/12 17:20

Lab Sample ID: 660-48963-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			07/20/12 15:25	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			07/20/12 15:25	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			07/20/12 15:25	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			07/20/12 15:25	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			07/20/12 15:25	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			07/20/12 15:25	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			07/20/12 15:25	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			07/20/12 15:25	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			07/20/12 15:25	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			07/20/12 15:25	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			07/20/12 15:25	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			07/20/12 15:25	1
2-Butanone	8.4	U	10	8.4	ug/L			07/20/12 15:25	1
2-Hexanone	4.4	U	10	4.4	ug/L			07/20/12 15:25	1
Acetone	9.9	U	20	9.9	ug/L			07/20/12 15:25	1
Acrylonitrile	1.2	U	10	1.2	ug/L			07/20/12 15:25	1
Benzene	**0.96**	**I**	1.0	0.50	ug/L			07/20/12 15:25	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			07/20/12 15:25	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			07/20/12 15:25	1
Bromoform	0.58	U	1.0	0.58	ug/L			07/20/12 15:25	1
Bromomethane	2.5	U	5.0	2.5	ug/L			07/20/12 15:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			07/20/12 15:25	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			07/20/12 15:25	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			07/20/12 15:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			07/20/12 15:25	1
Chloroform	0.90	U	1.0	0.90	ug/L			07/20/12 15:25	1
Chloromethane	1.0	U	4.0	1.0	ug/L			07/20/12 15:25	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			07/20/12 15:25	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 15:25	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			07/20/12 15:25	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			07/20/12 15:25	1
Ethylbenzene	**9.2**		1.0	0.44	ug/L			07/20/12 15:25	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			07/20/12 15:25	1
Iodomethane	2.5	U	5.0	2.5	ug/L			07/20/12 15:25	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			07/20/12 15:25	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/20/12 15:25	1
Styrene	0.98	U	2.0	0.98	ug/L			07/20/12 15:25	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 15:25	1
Toluene	0.51	U	1.0	0.51	ug/L			07/20/12 15:25	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			07/20/12 15:25	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 15:25	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			07/20/12 15:25	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 15:25	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			07/20/12 15:25	1
Vinyl acetate	1.5	U	10	1.5	ug/L			07/20/12 15:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			07/20/12 15:25	1
Xylenes, Total	**3.3**		3.0	0.50	ug/L			07/20/12 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*07/20/12 15:25*	*1*
Dibromofluoromethane	*106*		*70 - 130*		*07/20/12 15:25*	*1*

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-7
Date Collected: 07/18/12 09:47
Date Received: 07/18/12 17:20

Lab Sample ID: 660-48963-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/20/12 15:25*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0056	U	0.019	0.0056	ug/L		07/24/12 10:15	07/24/12 23:16	1
Ethylene Dibromide	0.0060	U	0.019	0.0060	ug/L		07/24/12 10:15	07/24/12 23:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	*98*		*56 - 144*	*07/24/12 10:15*	*07/24/12 23:16*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/23/12 15:08	07/24/12 22:56	1
Arsenic	**7.1**		2.5	1.3	ug/L		07/23/12 15:08	07/24/12 22:56	1
Barium	**16**		5.0	1.3	ug/L		07/23/12 15:08	07/24/12 22:56	1
Beryllium	0.25	U	0.50	0.25	ug/L		07/23/12 15:08	07/24/12 22:56	1
Cadmium	**0.12**	**I**	0.50	0.095	ug/L		07/23/12 15:08	07/24/12 22:56	1
Chromium	2.5	U	5.0	2.5	ug/L		07/23/12 15:08	07/24/12 22:56	1
Cobalt	**0.81**		0.50	0.15	ug/L		07/23/12 15:08	07/24/12 22:56	1
Copper	1.1	U	5.0	1.1	ug/L		07/23/12 15:08	07/24/12 22:56	1
Iron	**920**		100	33	ug/L		07/23/12 15:08	07/24/12 22:56	1
Lead	**0.37**	**I**	1.5	0.20	ug/L		07/23/12 15:08	07/24/12 22:56	1
Nickel	**6.6**		5.0	2.0	ug/L		07/23/12 15:08	07/24/12 22:56	1
Selenium	1.0	U	2.5	1.0	ug/L		07/23/12 15:08	07/24/12 22:56	1
Silver	0.25	U	1.0	0.25	ug/L		07/23/12 15:08	07/24/12 22:56	1
Sodium	**10**		0.50	0.25	mg/L		07/23/12 15:08	07/24/12 22:56	1
Thallium	0.50	U	1.0	0.50	ug/L		07/23/12 15:08	07/24/12 22:56	1
Vanadium	3.8	U	10	3.8	ug/L		07/23/12 15:08	07/24/12 22:56	1
Zinc	**22**		20	8.3	ug/L		07/23/12 15:08	07/24/12 22:56	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		07/24/12 14:35	07/26/12 20:31	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.0**		0.50	0.20	mg/L			07/27/12 12:09	1
Ammonia as N	**0.084**		0.060	0.010	mg/L			07/25/12 20:40	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			07/19/12 14:40	1
Total Dissolved Solids	**52**		5.0	5.0	mg/L			07/25/12 12:55	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Clear**				Color Units			07/18/12 09:47	1
Field pH	**4.94**				SU			07/18/12 09:47	1
Field Temperature	**23.7**				Degrees C			07/18/12 09:47	1
Oxygen, Dissolved	**0.22**				mg/L			07/18/12 09:47	1
Specific Conductance	**80**				umhos/cm			07/18/12 09:47	1
Turbidity	**1.40**				NTU			07/18/12 09:47	1
Water Level	**121.60**				ft			07/18/12 09:47	1

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-20
Date Collected: 07/18/12 10:12
Date Received: 07/18/12 17:20

Lab Sample ID: 660-48963-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			07/20/12 15:48	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			07/20/12 15:48	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			07/20/12 15:48	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			07/20/12 15:48	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			07/20/12 15:48	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			07/20/12 15:48	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			07/20/12 15:48	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			07/20/12 15:48	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			07/20/12 15:48	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			07/20/12 15:48	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			07/20/12 15:48	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			07/20/12 15:48	1
2-Butanone	8.4	U	10	8.4	ug/L			07/20/12 15:48	1
2-Hexanone	4.4	U	10	4.4	ug/L			07/20/12 15:48	1
Acetone	9.9	U	20	9.9	ug/L			07/20/12 15:48	1
Acrylonitrile	1.2	U	10	1.2	ug/L			07/20/12 15:48	1
Benzene	0.50	U	1.0	0.50	ug/L			07/20/12 15:48	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			07/20/12 15:48	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			07/20/12 15:48	1
Bromoform	0.58	U	1.0	0.58	ug/L			07/20/12 15:48	1
Bromomethane	2.5	U	5.0	2.5	ug/L			07/20/12 15:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			07/20/12 15:48	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			07/20/12 15:48	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			07/20/12 15:48	1
Chloroethane	2.5	U	5.0	2.5	ug/L			07/20/12 15:48	1
Chloroform	0.90	U	1.0	0.90	ug/L			07/20/12 15:48	1
Chloromethane	1.0	U	4.0	1.0	ug/L			07/20/12 15:48	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			07/20/12 15:48	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 15:48	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			07/20/12 15:48	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			07/20/12 15:48	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			07/20/12 15:48	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			07/20/12 15:48	1
Iodomethane	2.5	U	5.0	2.5	ug/L			07/20/12 15:48	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			07/20/12 15:48	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/20/12 15:48	1
Styrene	0.98	U	2.0	0.98	ug/L			07/20/12 15:48	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 15:48	1
Toluene	0.51	U	1.0	0.51	ug/L			07/20/12 15:48	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			07/20/12 15:48	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 15:48	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			07/20/12 15:48	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 15:48	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			07/20/12 15:48	1
Vinyl acetate	1.5	U	10	1.5	ug/L			07/20/12 15:48	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			07/20/12 15:48	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			07/20/12 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*07/20/12 15:48*	*1*
Dibromofluoromethane	*106*		*70 - 130*		*07/20/12 15:48*	*1*

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-20
Date Collected: 07/18/12 10:12
Date Received: 07/18/12 17:20

Lab Sample ID: 660-48963-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/20/12 15:48*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0056	U	0.019	0.0056	ug/L		07/24/12 10:15	07/24/12 23:31	1
Ethylene Dibromide	0.0060	U	0.019	0.0060	ug/L		07/24/12 10:15	07/24/12 23:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	*97*		*56 - 144*	*07/24/12 10:15*	*07/24/12 23:31*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/23/12 15:08	07/24/12 23:01	1
Arsenic	**9.1**		2.5	1.3	ug/L		07/23/12 15:08	07/24/12 23:01	1
Barium	**10**		5.0	1.3	ug/L		07/23/12 15:08	07/24/12 23:01	1
Beryllium	0.25	U	0.50	0.25	ug/L		07/23/12 15:08	07/24/12 23:01	1
Cadmium	0.095	U	0.50	0.095	ug/L		07/23/12 15:08	07/24/12 23:01	1
Chromium	2.5	U	5.0	2.5	ug/L		07/23/12 15:08	07/24/12 23:01	1
Cobalt	**2.5**		0.50	0.15	ug/L		07/23/12 15:08	07/24/12 23:01	1
Copper	1.1	U	5.0	1.1	ug/L		07/23/12 15:08	07/24/12 23:01	1
Iron	**39000**		100	33	ug/L		07/23/12 15:08	07/24/12 23:01	1
Lead	0.20	U	1.5	0.20	ug/L		07/23/12 15:08	07/24/12 23:01	1
Nickel	2.0	U	5.0	2.0	ug/L		07/23/12 15:08	07/24/12 23:01	1
Selenium	**1.4**	**I**	2.5	1.0	ug/L		07/23/12 15:08	07/24/12 23:01	1
Silver	0.25	U	1.0	0.25	ug/L		07/23/12 15:08	07/24/12 23:01	1
Sodium	**9.9**		0.50	0.25	mg/L		07/23/12 15:08	07/24/12 23:01	1
Thallium	0.50	U	1.0	0.50	ug/L		07/23/12 15:08	07/24/12 23:01	1
Vanadium	3.8	U	10	3.8	ug/L		07/23/12 15:08	07/24/12 23:01	1
Zinc	8.3	U	20	8.3	ug/L		07/23/12 15:08	07/24/12 23:01	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.096**	**I**	0.20	0.091	ug/L		07/24/12 14:35	07/26/12 20:34	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26**		0.50	0.20	mg/L			07/27/12 12:56	1
Ammonia as N	**1.8**		0.060	0.010	mg/L			07/25/12 20:41	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			07/19/12 14:41	1
Total Dissolved Solids	**180**		10	10	mg/L			07/25/12 12:55	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Clear**				Color Units			07/18/12 10:12	1
Field pH	**5.49**				SU			07/18/12 10:12	1
Field Temperature	**24.8**				Degrees C			07/18/12 10:12	1
Oxygen, Dissolved	**0.21**				mg/L			07/18/12 10:12	1
Specific Conductance	**369**				umhos/cm			07/18/12 10:12	1
Turbidity	**4.82**				NTU			07/18/12 10:12	1
Water Level	**112.18**				ft			07/18/12 10:12	1

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: Trip Blank
Date Collected: 07/18/12 00:00
Date Received: 07/18/12 17:20

Lab Sample ID: 660-48963-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			07/20/12 16:10	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			07/20/12 16:10	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			07/20/12 16:10	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			07/20/12 16:10	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			07/20/12 16:10	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			07/20/12 16:10	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			07/20/12 16:10	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			07/20/12 16:10	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			07/20/12 16:10	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			07/20/12 16:10	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			07/20/12 16:10	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			07/20/12 16:10	1
2-Butanone	8.4	U	10	8.4	ug/L			07/20/12 16:10	1
2-Hexanone	4.4	U	10	4.4	ug/L			07/20/12 16:10	1
Acetone	9.9	U	20	9.9	ug/L			07/20/12 16:10	1
Acrylonitrile	1.2	U	10	1.2	ug/L			07/20/12 16:10	1
Benzene	0.50	U	1.0	0.50	ug/L			07/20/12 16:10	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			07/20/12 16:10	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			07/20/12 16:10	1
Bromoform	0.58	U	1.0	0.58	ug/L			07/20/12 16:10	1
Bromomethane	2.5	U	5.0	2.5	ug/L			07/20/12 16:10	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			07/20/12 16:10	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			07/20/12 16:10	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			07/20/12 16:10	1
Chloroethane	2.5	U	5.0	2.5	ug/L			07/20/12 16:10	1
Chloroform	0.90	U	1.0	0.90	ug/L			07/20/12 16:10	1
Chloromethane	1.0	U	4.0	1.0	ug/L			07/20/12 16:10	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			07/20/12 16:10	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 16:10	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			07/20/12 16:10	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			07/20/12 16:10	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			07/20/12 16:10	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			07/20/12 16:10	1
Iodomethane	2.5	U	5.0	2.5	ug/L			07/20/12 16:10	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			07/20/12 16:10	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/20/12 16:10	1
Styrene	0.98	U	2.0	0.98	ug/L			07/20/12 16:10	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 16:10	1
Toluene	0.51	U	1.0	0.51	ug/L			07/20/12 16:10	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			07/20/12 16:10	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 16:10	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			07/20/12 16:10	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 16:10	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			07/20/12 16:10	1
Vinyl acetate	1.5	U	10	1.5	ug/L			07/20/12 16:10	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			07/20/12 16:10	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			07/20/12 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*07/20/12 16:10*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*07/20/12 16:10*	*1*

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: Trip Blank

Lab Sample ID: 660-48963-3

Date Collected: 07/18/12 00:00
Matrix: Water
Date Received: 07/18/12 17:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		70 - 130		07/20/12 16:10	1

Client Sample ID: MW-3

Lab Sample ID: 660-48974-1

Date Collected: 07/19/12 08:59
Matrix: Ground Water
Date Received: 07/19/12 13:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			07/24/12 13:27	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			07/24/12 13:27	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			07/24/12 13:27	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			07/24/12 13:27	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			07/24/12 13:27	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			07/24/12 13:27	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			07/24/12 13:27	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			07/24/12 13:27	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			07/24/12 13:27	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			07/24/12 13:27	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			07/24/12 13:27	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			07/24/12 13:27	1
2-Butanone	8.4	U	10	8.4	ug/L			07/24/12 13:27	1
2-Hexanone	4.4	U	10	4.4	ug/L			07/24/12 13:27	1
Acetone	9.9	U	20	9.9	ug/L			07/24/12 13:27	1
Acrylonitrile	1.2	U	10	1.2	ug/L			07/24/12 13:27	1
Benzene	0.50	U	1.0	0.50	ug/L			07/24/12 13:27	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			07/24/12 13:27	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			07/24/12 13:27	1
Bromoform	0.58	U	1.0	0.58	ug/L			07/24/12 13:27	1
Bromomethane	2.5	U	5.0	2.5	ug/L			07/24/12 13:27	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			07/24/12 13:27	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			07/24/12 13:27	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			07/24/12 13:27	1
Chloroethane	2.5	U	5.0	2.5	ug/L			07/24/12 13:27	1
Chloroform	0.90	U	1.0	0.90	ug/L			07/24/12 13:27	1
Chloromethane	1.0	U	4.0	1.0	ug/L			07/24/12 13:27	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			07/24/12 13:27	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/24/12 13:27	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			07/24/12 13:27	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			07/24/12 13:27	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			07/24/12 13:27	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			07/24/12 13:27	1
Iodomethane	2.5	U	5.0	2.5	ug/L			07/24/12 13:27	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			07/24/12 13:27	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/24/12 13:27	1
Styrene	0.98	U	2.0	0.98	ug/L			07/24/12 13:27	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			07/24/12 13:27	1
Toluene	0.51	U	1.0	0.51	ug/L			07/24/12 13:27	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			07/24/12 13:27	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/24/12 13:27	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			07/24/12 13:27	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			07/24/12 13:27	1

Client Sample ID: MW-3
Date Collected: 07/19/12 08:59
Date Received: 07/19/12 13:45

Lab Sample ID: 660-48974-1
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			07/24/12 13:27	1
Vinyl acetate	1.5	U	10	1.5	ug/L			07/24/12 13:27	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			07/24/12 13:27	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			07/24/12 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*07/24/12 13:27*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*07/24/12 13:27*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*07/24/12 13:27*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropano	0.0056	U	0.018	0.0056	ug/L		07/24/12 10:15	07/24/12 23:45	1
Ethylene Dibromide	0.0060	U	0.018	0.0060	ug/L		07/24/12 10:15	07/24/12 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*92*		*56 - 144*	*07/24/12 10:15*	*07/24/12 23:45*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/23/12 15:08	07/24/12 23:06	1
Arsenic	1.3	U	2.5	1.3	ug/L		07/23/12 15:08	07/24/12 23:06	1
Barium	**32**		5.0	1.3	ug/L		07/23/12 15:08	07/24/12 23:06	1
Beryllium	0.25	U	0.50	0.25	ug/L		07/23/12 15:08	07/24/12 23:06	1
Cadmium	**0.32**	**I**	0.50	0.095	ug/L		07/23/12 15:08	07/24/12 23:06	1
Chromium	2.5	U	5.0	2.5	ug/L		07/23/12 15:08	07/24/12 23:06	1
Cobalt	**0.38**	**I**	0.50	0.15	ug/L		07/23/12 15:08	07/24/12 23:06	1
Copper	**71**		5.0	1.1	ug/L		07/23/12 15:08	07/24/12 23:06	1
Iron	**150**		100	33	ug/L		07/23/12 15:08	07/24/12 23:06	1
Lead	**5.6**		1.5	0.20	ug/L		07/23/12 15:08	07/24/12 23:06	1
Nickel	**7.9**		5.0	2.0	ug/L		07/23/12 15:08	07/24/12 23:06	1
Selenium	**1.6**	**I**	2.5	1.0	ug/L		07/23/12 15:08	07/24/12 23:06	1
Silver	0.25	U	1.0	0.25	ug/L		07/23/12 15:08	07/24/12 23:06	1
Sodium	**11**		0.50	0.25	mg/L		07/23/12 15:08	07/24/12 23:06	1
Thallium	0.50	U	1.0	0.50	ug/L		07/23/12 15:08	07/24/12 23:06	1
Vanadium	3.8	U	10	3.8	ug/L		07/23/12 15:08	07/24/12 23:06	1
Zinc	**75**		20	8.3	ug/L		07/23/12 15:08	07/24/12 23:06	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.19**	**I**	0.20	0.091	ug/L		07/24/12 14:35	07/26/12 20:37	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13**		0.50	0.20	mg/L			07/27/12 15:45	1
Ammonia as N	**0.47**		0.060	0.010	mg/L			07/25/12 20:42	1
Total Dissolved Solids	**80**		5.0	5.0	mg/L			07/26/12 11:29	1

General Chemistry - DL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**5.9**		2.5	0.50	mg/L			07/20/12 15:46	5

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-3

Lab Sample ID: 660-48974-1

Date Collected: 07/19/12 08:59

Matrix: Ground Water

Date Received: 07/19/12 13:45

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Clear**				Color Units			07/19/12 08:59	1
Field pH	**4.69**				SU			07/19/12 08:59	1
Field Temperature	**23.2**				Degrees C			07/19/12 08:59	1
Oxygen, Dissolved	**3.34**				mg/L			07/19/12 08:59	1
Specific Conductance	**107**				umhos/cm			07/19/12 08:59	1
Turbidity	**0.94**				NTU			07/19/12 08:59	1
Water Level	**109.62**				ft			07/19/12 08:59	1

Client Sample ID: MW-21

Lab Sample ID: 660-48974-2

Date Collected: 07/19/12 10:53

Matrix: Ground Water

Date Received: 07/19/12 13:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			07/24/12 13:50	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			07/24/12 13:50	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			07/24/12 13:50	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			07/24/12 13:50	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			07/24/12 13:50	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			07/24/12 13:50	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			07/24/12 13:50	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			07/24/12 13:50	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			07/24/12 13:50	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			07/24/12 13:50	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			07/24/12 13:50	1
1,4-Dichlorobenzene	**10**		1.0	0.52	ug/L			07/24/12 13:50	1
2-Butanone	8.4	U	10	8.4	ug/L			07/24/12 13:50	1
2-Hexanone	4.4	U	10	4.4	ug/L			07/24/12 13:50	1
Acetone	9.9	U	20	9.9	ug/L			07/24/12 13:50	1
Acrylonitrile	1.2	U	10	1.2	ug/L			07/24/12 13:50	1
Benzene	**1.8**		1.0	0.50	ug/L			07/24/12 13:50	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			07/24/12 13:50	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			07/24/12 13:50	1
Bromoform	0.58	U	1.0	0.58	ug/L			07/24/12 13:50	1
Bromomethane	2.5	U	5.0	2.5	ug/L			07/24/12 13:50	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			07/24/12 13:50	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			07/24/12 13:50	1
Chlorobenzene	**1.5**		1.0	0.63	ug/L			07/24/12 13:50	1
Chloroethane	2.5	U	5.0	2.5	ug/L			07/24/12 13:50	1
Chloroform	0.90	U	1.0	0.90	ug/L			07/24/12 13:50	1
Chloromethane	1.0	U	4.0	1.0	ug/L			07/24/12 13:50	1
cis-1,2-Dichloroethene	**1.8**		1.0	0.65	ug/L			07/24/12 13:50	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/24/12 13:50	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			07/24/12 13:50	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			07/24/12 13:50	1
Ethylbenzene	**1.3**		1.0	0.44	ug/L			07/24/12 13:50	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			07/24/12 13:50	1
Iodomethane	2.5	U	5.0	2.5	ug/L			07/24/12 13:50	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			07/24/12 13:50	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/24/12 13:50	1
Styrene	0.98	U	2.0	0.98	ug/L			07/24/12 13:50	1

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-21
Date Collected: 07/19/12 10:53
Date Received: 07/19/12 13:45

Lab Sample ID: 660-48974-2
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			07/24/12 13:50	1
Toluene	0.51	U	1.0	0.51	ug/L			07/24/12 13:50	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			07/24/12 13:50	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/24/12 13:50	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			07/24/12 13:50	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			07/24/12 13:50	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			07/24/12 13:50	1
Vinyl acetate	1.5	U	10	1.5	ug/L			07/24/12 13:50	1
Vinyl chloride	**0.84**	**I**	1.0	0.50	ug/L			07/24/12 13:50	1
Xylenes, Total	**2.2**	**I**	3.0	0.50	ug/L			07/24/12 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*07/24/12 13:50*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*07/24/12 13:50*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/24/12 13:50*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropano	0.0056	U	0.019	0.0056	ug/L		07/24/12 10:15	07/25/12 00:00	1
Ethylene Dibromide	0.0060	U	0.019	0.0060	ug/L		07/24/12 10:15	07/25/12 00:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*95*		*56 - 144*	*07/24/12 10:15*	*07/25/12 00:00*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/23/12 07:51	07/25/12 05:25	1
Arsenic	**2.0**	**I**	2.5	1.3	ug/L		07/23/12 07:51	07/25/12 05:25	1
Barium	**36**		5.0	1.3	ug/L		07/23/12 07:51	07/25/12 05:25	1
Beryllium	**0.26**	**I**	0.50	0.25	ug/L		07/23/12 07:51	07/25/12 05:25	1
Cadmium	**0.18**	**I**	0.50	0.095	ug/L		07/23/12 07:51	07/25/12 05:25	1
Chromium	**3.7**	**I**	5.0	2.5	ug/L		07/23/12 07:51	07/25/12 05:25	1
Cobalt	**0.49**	**I**	0.50	0.15	ug/L		07/23/12 07:51	07/25/12 05:25	1
Copper	**1.1**	**I**	5.0	1.1	ug/L		07/23/12 07:51	07/25/12 05:25	1
Iron	**1400**		100	33	ug/L		07/23/12 07:51	07/25/12 05:25	1
Lead	**1.8**		1.5	0.20	ug/L		07/23/12 07:51	07/25/12 05:25	1
Nickel	2.0	U	5.0	2.0	ug/L		07/23/12 07:51	07/25/12 05:25	1
Selenium	1.0	U	2.5	1.0	ug/L		07/23/12 07:51	07/25/12 05:25	1
Silver	0.25	U	1.0	0.25	ug/L		07/23/12 07:51	07/25/12 05:25	1
Sodium	**2.0**		0.50	0.25	mg/L		07/23/12 07:51	07/25/12 05:25	1
Thallium	0.50	U	1.0	0.50	ug/L		07/23/12 07:51	07/25/12 05:25	1
Vanadium	3.8	U	10	3.8	ug/L		07/23/12 07:51	07/25/12 05:25	1
Zinc	8.3	U	20	8.3	ug/L		07/23/12 07:51	07/25/12 05:25	1

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/23/12 15:08	07/24/12 23:22	1
Arsenic	**2.4**	**I**	2.5	1.3	ug/L		07/23/12 15:08	07/24/12 23:22	1
Barium	**3.5**	**I**	5.0	1.3	ug/L		07/23/12 15:08	07/24/12 23:22	1
Beryllium	0.25	U	0.50	0.25	ug/L		07/23/12 15:08	07/24/12 23:22	1
Cadmium	0.095	U	0.50	0.095	ug/L		07/23/12 15:08	07/24/12 23:22	1
Chromium	2.5	U	5.0	2.5	ug/L		07/23/12 15:08	07/24/12 23:22	1

Client Sample ID: MW-21

Date Collected: 07/19/12 10:53
Date Received: 07/19/12 13:45

Lab Sample ID: 660-48974-2
Matrix: Ground Water

Method: 6020 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.50**		0.50	0.15	ug/L		07/23/12 15:08	07/24/12 23:22	1
Copper	1.1	U	5.0	1.1	ug/L		07/23/12 15:08	07/24/12 23:22	1
Iron	**1100**		100	33	ug/L		07/23/12 15:08	07/24/12 23:22	1
Lead	0.20	U	1.5	0.20	ug/L		07/23/12 15:08	07/24/12 23:22	1
Nickel	2.0	U	5.0	2.0	ug/L		07/23/12 15:08	07/24/12 23:22	1
Selenium	1.0	U	2.5	1.0	ug/L		07/23/12 15:08	07/24/12 23:22	1
Silver	0.25	U	1.0	0.25	ug/L		07/23/12 15:08	07/24/12 23:22	1
Sodium	**2.0**		0.50	0.25	mg/L		07/23/12 15:08	07/24/12 23:22	1
Thallium	0.50	U	1.0	0.50	ug/L		07/23/12 15:08	07/24/12 23:22	1
Vanadium	3.8	U	10	3.8	ug/L		07/23/12 15:08	07/24/12 23:22	1
Zinc	8.3	U	20	8.3	ug/L		07/23/12 15:08	07/24/12 23:22	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		07/24/12 14:35	07/26/12 20:47	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		07/24/12 14:35	07/26/12 20:51	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.2**		0.50	0.20	mg/L			07/27/12 18:04	1
Ammonia as N	**1.5**		0.060	0.010	mg/L			07/25/12 20:43	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			07/20/12 15:42	1
Total Dissolved Solids	**20**		5.0	5.0	mg/L			07/26/12 11:29	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	**Cloudy**				Color Units			07/19/12 10:53	1
Field pH	**4.48**				SU			07/19/12 10:53	1
Field Temperature	**24.5**				Degrees C			07/19/12 10:53	1
Oxygen, Dissolved	**0.31**				mg/L			07/19/12 10:53	1
Specific Conductance	**66**				umhos/cm			07/19/12 10:53	1
Turbidity	**30.9**				NTU			07/19/12 10:53	1
Water Level	**107.80**				ft			07/19/12 10:53	1

Client Sample ID: MW-10

Date Collected: 07/18/12 16:30
Date Received: 07/19/12 13:45

Lab Sample ID: 660-48974-3
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			07/24/12 14:12	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			07/24/12 14:12	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			07/24/12 14:12	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			07/24/12 14:12	1
1,1-Dichloroethane	**1.5**		1.0	0.52	ug/L			07/24/12 14:12	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			07/24/12 14:12	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			07/24/12 14:12	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			07/24/12 14:12	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			07/24/12 14:12	1

Client Sample ID: MW-10
Date Collected: 07/18/12 16:30
Date Received: 07/19/12 13:45

Lab Sample ID: 660-48974-3
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			07/24/12 14:12	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			07/24/12 14:12	1
1,4-Dichlorobenzene	**7.6**		1.0	0.52	ug/L			07/24/12 14:12	1
2-Butanone	8.4	U	10	8.4	ug/L			07/24/12 14:12	1
2-Hexanone	4.4	U	10	4.4	ug/L			07/24/12 14:12	1
Acetone	9.9	U	20	9.9	ug/L			07/24/12 14:12	1
Acrylonitrile	1.2	U	10	1.2	ug/L			07/24/12 14:12	1
Benzene	**1.7**		1.0	0.50	ug/L			07/24/12 14:12	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			07/24/12 14:12	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			07/24/12 14:12	1
Bromoform	0.58	U	1.0	0.58	ug/L			07/24/12 14:12	1
Bromomethane	2.5	U	5.0	2.5	ug/L			07/24/12 14:12	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			07/24/12 14:12	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			07/24/12 14:12	1
Chlorobenzene	**0.66**	**I**	1.0	0.63	ug/L			07/24/12 14:12	1
Chloroethane	2.5	U	5.0	2.5	ug/L			07/24/12 14:12	1
Chloroform	0.90	U	1.0	0.90	ug/L			07/24/12 14:12	1
Chloromethane	1.0	U	4.0	1.0	ug/L			07/24/12 14:12	1
cis-1,2-Dichloroethene	**6.1**		1.0	0.65	ug/L			07/24/12 14:12	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/24/12 14:12	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			07/24/12 14:12	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			07/24/12 14:12	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			07/24/12 14:12	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			07/24/12 14:12	1
Iodomethane	2.5	U	5.0	2.5	ug/L			07/24/12 14:12	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			07/24/12 14:12	1
Methylene Chloride	**4.6**	**I**	5.0	4.0	ug/L			07/24/12 14:12	1
Styrene	0.98	U	2.0	0.98	ug/L			07/24/12 14:12	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			07/24/12 14:12	1
Toluene	0.51	U	1.0	0.51	ug/L			07/24/12 14:12	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			07/24/12 14:12	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/24/12 14:12	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			07/24/12 14:12	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			07/24/12 14:12	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			07/24/12 14:12	1
Vinyl acetate	1.5	U	10	1.5	ug/L			07/24/12 14:12	1
Vinyl chloride	**2.5**		1.0	0.50	ug/L			07/24/12 14:12	1
Xylenes, Total	**3.0**		3.0	0.50	ug/L			07/24/12 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*07/24/12 14:12*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*07/24/12 14:12*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/24/12 14:12*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropano	0.0056	U	0.019	0.0056	ug/L		07/24/12 10:15	07/25/12 00:15	1
Ethylene Dibromide	0.0060	U	0.019	0.0060	ug/L		07/24/12 10:15	07/25/12 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*98*		*56 - 144*	*07/24/12 10:15*	*07/25/12 00:15*	*1*

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-10
Date Collected: 07/18/12 16:30
Date Received: 07/19/12 13:45

Lab Sample ID: 660-48974-3
Matrix: Ground Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/23/12 07:51	07/25/12 05:30	1
Arsenic	**2.6**		2.5	1.3	ug/L		07/23/12 07:51	07/25/12 05:30	1
Barium	**110**		5.0	1.3	ug/L		07/23/12 07:51	07/25/12 05:30	1
Beryllium	0.25	U	0.50	0.25	ug/L		07/23/12 07:51	07/25/12 05:30	1
Cadmium	**0.60**		0.50	0.095	ug/L		07/23/12 07:51	07/25/12 05:30	1
Chromium	**7.3**		5.0	2.5	ug/L		07/23/12 07:51	07/25/12 05:30	1
Cobalt	**0.56**		0.50	0.15	ug/L		07/23/12 07:51	07/25/12 05:30	1
Copper	1.1	U	5.0	1.1	ug/L		07/23/12 07:51	07/25/12 05:30	1
Iron	**6300**		100	33	ug/L		07/23/12 07:51	07/25/12 05:30	1
Lead	**4.1**		1.5	0.20	ug/L		07/23/12 07:51	07/25/12 05:30	1
Nickel	**4.2**	**I**	5.0	2.0	ug/L		07/23/12 07:51	07/25/12 05:30	1
Selenium	**1.2**	**I V**	2.5	1.0	ug/L		07/23/12 07:51	07/25/12 05:30	1
Silver	0.25	U	1.0	0.25	ug/L		07/23/12 07:51	07/25/12 05:30	1
Sodium	**5.0**		0.50	0.25	mg/L		07/23/12 07:51	07/25/12 05:30	1
Thallium	0.50	U	1.0	0.50	ug/L		07/23/12 07:51	07/25/12 05:30	1
Vanadium	3.8	U	10	3.8	ug/L		07/23/12 07:51	07/25/12 05:30	1
Zinc	**14**	**I**	20	8.3	ug/L		07/23/12 07:51	07/25/12 05:30	1

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/23/12 15:08	07/24/12 23:27	1
Arsenic	**2.6**		2.5	1.3	ug/L		07/23/12 15:08	07/24/12 23:27	1
Barium	**5.7**		5.0	1.3	ug/L		07/23/12 15:08	07/24/12 23:27	1
Beryllium	0.25	U	0.50	0.25	ug/L		07/23/12 15:08	07/24/12 23:27	1
Cadmium	0.095	U	0.50	0.095	ug/L		07/23/12 15:08	07/24/12 23:27	1
Chromium	2.5	U	5.0	2.5	ug/L		07/23/12 15:08	07/24/12 23:27	1
Cobalt	**0.61**		0.50	0.15	ug/L		07/23/12 15:08	07/24/12 23:27	1
Copper	1.1	U	5.0	1.1	ug/L		07/23/12 15:08	07/24/12 23:27	1
Iron	**6300**		100	33	ug/L		07/23/12 15:08	07/24/12 23:27	1
Lead	0.20	U	1.5	0.20	ug/L		07/23/12 15:08	07/24/12 23:27	1
Nickel	**3.3**	**I**	5.0	2.0	ug/L		07/23/12 15:08	07/24/12 23:27	1
Selenium	1.0	U	2.5	1.0	ug/L		07/23/12 15:08	07/24/12 23:27	1
Silver	0.25	U	1.0	0.25	ug/L		07/23/12 15:08	07/24/12 23:27	1
Sodium	**5.0**		0.50	0.25	mg/L		07/23/12 15:08	07/24/12 23:27	1
Thallium	0.50	U	1.0	0.50	ug/L		07/23/12 15:08	07/24/12 23:27	1
Vanadium	3.8	U	10	3.8	ug/L		07/23/12 15:08	07/24/12 23:27	1
Zinc	**16**	**I**	20	8.3	ug/L		07/23/12 15:08	07/24/12 23:27	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		07/24/12 14:35	07/26/12 20:54	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		07/24/12 14:35	07/26/12 20:57	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.2**		0.50	0.20	mg/L			07/27/12 18:19	1
Ammonia as N	**0.39**		0.060	0.010	mg/L			07/25/12 20:44	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			07/20/12 15:37	1
Total Dissolved Solids	**24**		5.0	5.0	mg/L			07/25/12 12:55	1

Client Sample ID: MW-10

Lab Sample ID: 660-48974-3

Date Collected: 07/18/12 16:30

Matrix: Ground Water

Date Received: 07/19/12 13:45

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Cloudy				Color Units			07/18/12 16:30	1
Field pH	4.47				SU			07/18/12 16:30	1
Field Temperature	23.7				Degrees C			07/18/12 16:30	1
Oxygen, Dissolved	0.31				mg/L			07/18/12 16:30	1
Specific Conductance	51				umhos/cm			07/18/12 16:30	1
Turbidity	38.7				NTU			07/18/12 16:30	1
Water Level	105.38				ft			07/18/12 16:30	1

Client Sample ID: MW-18

Lab Sample ID: 660-48974-4

Date Collected: 07/17/12 17:02

Matrix: Ground Water

Date Received: 07/19/12 13:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.50	U	1.0	0.50	ug/L			07/20/12 20:56	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/20/12 20:56	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			07/20/12 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*07/20/12 20:56*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*07/20/12 20:56*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*07/20/12 20:56*	*1*

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			07/17/12 17:02	1
Field pH	4.90				SU			07/17/12 17:02	1
Field Temperature	23.5				Degrees C			07/17/12 17:02	1
Oxygen, Dissolved	2.04				mg/L			07/17/12 17:02	1
Specific Conductance	61				umhos/cm			07/17/12 17:02	1
Turbidity	7.16				NTU			07/17/12 17:02	1
Water Level	105.01				ft			07/17/12 17:02	1

Client Sample ID: MW-19

Lab Sample ID: 660-48974-5

Date Collected: 07/19/12 11:10

Matrix: Ground Water

Date Received: 07/19/12 13:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.50	U	1.0	0.50	ug/L			07/20/12 21:13	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/20/12 21:13	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			07/20/12 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*07/20/12 21:13*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*07/20/12 21:13*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*07/20/12 21:13*	*1*

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			07/19/12 11:10	1
Field pH	5.76				SU			07/19/12 11:10	1

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-19
Date Collected: 07/19/12 11:10
Date Received: 07/19/12 13:45

Lab Sample ID: 660-48974-5
Matrix: Ground Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field Temperature	23.7				Degrees C			07/19/12 11:10	1
Oxygen, Dissolved	1.90				mg/L			07/19/12 11:10	1
Specific Conductance	88				umhos/cm			07/19/12 11:10	1
Turbidity	4.94				NTU			07/19/12 11:10	1
Water Level	105.50				ft			07/19/12 11:10	1

Surrogate Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Ground Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-48922-1	Field Blank	100	101	101
660-48922-2	MW-11	101	104	100
660-48922-2 DU	MW-11	100	107	101
660-48922-3	MW-17	101	104	101
660-48922-3 MS	MW-17	101	104	100
660-48922-4	MW-15	101	103	100
660-48922-5	MW-12	100	102	100
660-48922-6	MW-13	100	105	101
660-48922-7	MW-14	100	103	102
660-48922-8	Trip Blank Assessment	101	104	101
660-48949-1	MW-6	99	104	102
660-48974-1	MW-3	99	101	102
660-48974-2	MW-21	100	103	101
660-48974-3	MW-10	100	103	101
660-48974-4	MW-18	98	101	99
660-48974-5	MW-19	95	101	98
660-48974-C-1 DU	660-48974-C-1 DU	99	102	101
660-48974-D-2 MS	660-48974-D-2 MS	99	98	98

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
640-39513-A-2 MS	Matrix Spike	99	100	101
640-39513-D-1 DU	Duplicate	101	99	102
660-48963-1	MW-7	100	106	101
660-48963-2	MW-20	101	106	102
660-48963-3	Trip Blank	100	103	101
LCS 660-126904/4	Lab Control Sample	101	105	100
LCS 660-126907/3	Lab Control Sample	100	101	100
LCS 660-126988/3	Lab Control Sample	100	95	100
MB 660-126904/6	Method Blank	98	101	94
MB 660-126907/5	Method Blank	100	101	100
MB 660-126988/5	Method Blank	101	102	101

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

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

Matrix: Ground Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		TCEA2								
Lab Sample ID	Client Sample ID	(56-144)								
660-48922-1	Field Blank	93								
660-48922-2	MW-11	96								
660-48922-3	MW-17	102								
660-48922-4	MW-15	97								
660-48922-5	MW-12	96								
660-48922-6	MW-13	100								
660-48922-7	MW-14	98								
660-48949-1	MW-6	96								
660-48974-1	MW-3	92								
660-48974-2	MW-21	95								
660-48974-3	MW-10	98								

Surrogate Legend

TCEA = 1,1,1,2-Tetrachloroethane

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		TCEA1								
Lab Sample ID	Client Sample ID	(56-144)								
640-39544-G-2-A MS	Matrix Spike	100								
640-39544-G-2-B MSD	Matrix Spike Duplicate	92								
LCS 640-94426/11-A	Lab Control Sample	104								
LCSD 640-94426/12-A	Lab Control Sample Dup	97								

Surrogate Legend

TCEA = 1,1,1,2-Tetrachloroethane

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		TCEA2								
Lab Sample ID	Client Sample ID	(56-144)								
660-48963-1	MW-7	98								
660-48963-2	MW-20	97								
MB 640-94426/10-A	Method Blank	93								

Surrogate Legend

TCEA = 1,1,1,2-Tetrachloroethane

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 660-126904/6
Matrix: Water
Analysis Batch: 126904

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.50	U	1.0	0.50	ug/L			07/20/12 17:32	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/20/12 17:32	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			07/20/12 17:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*07/20/12 17:32*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*07/20/12 17:32*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*07/20/12 17:32*	*1*

Lab Sample ID: LCS 660-126904/4
Matrix: Water
Analysis Batch: 126904

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			20.0	19.4		ug/L		97	68 - 134		
Methylene Chloride			20.0	19.2		ug/L		96	57 - 130		
Vinyl chloride			20.0	21.8		ug/L		109	48 - 147		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: 660-48974-D-2 MS
Matrix: Ground Water
Analysis Batch: 126904

Client Sample ID: 660-48974-D-2 MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	2.0		20.0	20.3		ug/L		92	68 - 134		
Methylene Chloride	4.0		20.0	17.8		ug/L		89	57 - 130		
Vinyl chloride	0.84		20.0	20.3		ug/L		97	48 - 147		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: 660-48974-C-1 DU
Matrix: Ground Water
Analysis Batch: 126904

Client Sample ID: 660-48974-C-1 DU
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Benzene	0.50			0.50	U	ug/L				NC	30
Methylene Chloride	4.0			4.0	U	ug/L				NC	30
Vinyl chloride	0.50			0.50	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-48974-C-1 DU
Matrix: Ground Water
Analysis Batch: 126904

Client Sample ID: 660-48974-C-1 DU
Prep Type: Total/NA

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 660-126907/5
Matrix: Water
Analysis Batch: 126907

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			07/20/12 09:33	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			07/20/12 09:33	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			07/20/12 09:33	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			07/20/12 09:33	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			07/20/12 09:33	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			07/20/12 09:33	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			07/20/12 09:33	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			07/20/12 09:33	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			07/20/12 09:33	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			07/20/12 09:33	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			07/20/12 09:33	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			07/20/12 09:33	1
2-Butanone	8.4	U	10	8.4	ug/L			07/20/12 09:33	1
2-Hexanone	4.4	U	10	4.4	ug/L			07/20/12 09:33	1
Acetone	9.9	U	20	9.9	ug/L			07/20/12 09:33	1
Acrylonitrile	1.2	U	10	1.2	ug/L			07/20/12 09:33	1
Benzene	0.50	U	1.0	0.50	ug/L			07/20/12 09:33	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			07/20/12 09:33	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			07/20/12 09:33	1
Bromoform	0.58	U	1.0	0.58	ug/L			07/20/12 09:33	1
Bromomethane	2.5	U	5.0	2.5	ug/L			07/20/12 09:33	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			07/20/12 09:33	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			07/20/12 09:33	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			07/20/12 09:33	1
Chloroethane	2.5	U	5.0	2.5	ug/L			07/20/12 09:33	1
Chloroform	0.90	U	1.0	0.90	ug/L			07/20/12 09:33	1
Chloromethane	1.0	U	4.0	1.0	ug/L			07/20/12 09:33	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			07/20/12 09:33	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 09:33	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			07/20/12 09:33	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			07/20/12 09:33	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			07/20/12 09:33	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			07/20/12 09:33	1
Iodomethane	2.5	U	5.0	2.5	ug/L			07/20/12 09:33	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			07/20/12 09:33	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/20/12 09:33	1
Styrene	0.98	U	2.0	0.98	ug/L			07/20/12 09:33	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 09:33	1
Toluene	0.51	U	1.0	0.51	ug/L			07/20/12 09:33	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			07/20/12 09:33	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/20/12 09:33	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 660-126907/5
Matrix: Water
Analysis Batch: 126907

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			07/20/12 09:33	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			07/20/12 09:33	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			07/20/12 09:33	1
Vinyl acetate	1.5	U	10	1.5	ug/L			07/20/12 09:33	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			07/20/12 09:33	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			07/20/12 09:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*07/20/12 09:33*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*07/20/12 09:33*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/20/12 09:33*	*1*

Lab Sample ID: LCS 660-126907/3
Matrix: Water
Analysis Batch: 126907

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	20.5		ug/L		103	70 - 130
1,1,1-Trichloroethane	20.0	20.6		ug/L		103	63 - 132
1,1,2,2-Tetrachloroethane	20.0	20.2		ug/L		101	70 - 130
1,1,2-Trichloroethane	20.0	21.2		ug/L		106	70 - 130
1,1-Dichloroethane	20.0	20.3		ug/L		102	66 - 130
1,1-Dichloroethene	20.0	17.2		ug/L		86	51 - 150
1,2,3-Trichloropropane	20.0	20.4		ug/L		102	66 - 130
1,2-Dibromo-3-Chloropropane	20.0	20.7		ug/L		103	63 - 130
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	70 - 130
1,2-Dichloroethane	20.0	21.3		ug/L		107	70 - 130
1,2-Dichloropropane	20.0	21.5		ug/L		107	70 - 130
1,4-Dichlorobenzene	20.0	21.0		ug/L		105	70 - 130
2-Butanone	40.0	44.1		ug/L		110	63 - 140
2-Hexanone	40.0	42.0		ug/L		105	60 - 148
Acetone	40.0	45.9		ug/L		115	62 - 142
Acrylonitrile	40.0	39.7		ug/L		99	59 - 146
Benzene	20.0	21.0		ug/L		105	68 - 134
Bromochloromethane	20.0	21.3		ug/L		107	70 - 130
Bromodichloromethane	20.0	21.0		ug/L		105	70 - 130
Bromoform	20.0	18.0		ug/L		90	65 - 130
Bromomethane	20.0	20.4		ug/L		102	22 - 150
Carbon disulfide	40.0	37.7		ug/L		94	30 - 150
Carbon tetrachloride	20.0	20.7		ug/L		104	61 - 134
Chlorobenzene	20.0	21.3		ug/L		107	70 - 130
Chloroethane	20.0	17.1		ug/L		85	39 - 150
Chloroform	20.0	21.4		ug/L		107	68 - 130
Chloromethane	20.0	16.4		ug/L		82	35 - 150
cis-1,2-Dichloroethene	20.0	20.7		ug/L		104	66 - 130
cis-1,3-Dichloropropene	20.0	19.9		ug/L		99	70 - 130
Dibromochloromethane	20.0	20.3		ug/L		102	70 - 130
Dibromomethane	20.0	21.1		ug/L		106	70 - 130
Ethylbenzene	20.0	22.0		ug/L		110	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 660-126907/3
Matrix: Water
Analysis Batch: 126907

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylene Dibromide	20.0	20.4		ug/L		102	66 - 130
Iodomethane	40.0	37.0		ug/L		93	70 - 130
Methyl isobutyl ketone (MIBK)	40.0	38.3		ug/L		96	64 - 137
Methylene Chloride	20.0	18.1		ug/L		90	57 - 130
Styrene	20.0	22.5		ug/L		113	68 - 131
Tetrachloroethene	20.0	24.4		ug/L		122	50 - 143
Toluene	20.0	20.8		ug/L		104	70 - 131
trans-1,2-Dichloroethene	20.0	20.8		ug/L		104	62 - 139
trans-1,3-Dichloropropene	20.0	16.3		ug/L		81	67 - 130
trans-1,4-Dichloro-2-butene	40.0	34.1		ug/L		85	70 - 130
Trichloroethene	20.0	20.9		ug/L		104	63 - 139
Trichlorofluoromethane	20.0	20.8		ug/L		104	62 - 146
Vinyl acetate	20.0	20.5		ug/L		102	31 - 146
Vinyl chloride	20.0	17.7		ug/L		89	48 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: 660-48922-3 MS
Matrix: Ground Water
Analysis Batch: 126907

Client Sample ID: MW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.63	U	20.0	21.0		ug/L		105	70 - 130
1,1,1-Trichloroethane	0.46	U	20.0	21.6		ug/L		108	63 - 132
1,1,2,2-Tetrachloroethane	0.15	U	20.0	19.8		ug/L		99	70 - 130
1,1,2-Trichloroethane	0.47	U	20.0	21.5		ug/L		108	70 - 130
1,1-Dichloroethane	0.52	U	20.0	21.3		ug/L		106	66 - 130
1,1-Dichloroethene	0.45	U	20.0	16.4		ug/L		82	51 - 150
1,2,3-Trichloropropane	0.18	U	20.0	20.8		ug/L		104	66 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	19.0		ug/L		95	63 - 130
1,2-Dichlorobenzene	0.44	U	20.0	22.2		ug/L		111	70 - 130
1,2-Dichloroethane	0.57	U	20.0	22.8		ug/L		114	70 - 130
1,2-Dichloropropane	0.52	U	20.0	22.0		ug/L		110	70 - 130
1,4-Dichlorobenzene	0.74	I	20.0	22.4		ug/L		108	70 - 130
2-Butanone	8.4	U	40.0	36.8		ug/L		92	63 - 140
2-Hexanone	4.4	U	40.0	35.0		ug/L		88	60 - 148
Acetone	9.9	U	40.0	26.2		ug/L		65	62 - 142
Acrylonitrile	1.2	U	40.0	39.7		ug/L		99	59 - 146
Benzene	0.50	U	20.0	22.8		ug/L		114	68 - 134
Bromochloromethane	0.58	U	20.0	22.8		ug/L		114	70 - 130
Bromodichloromethane	0.35	U	20.0	21.9		ug/L		109	70 - 130
Bromoform	0.58	U	20.0	17.7		ug/L		88	65 - 130
Bromomethane	2.5	U	20.0	20.9		ug/L		104	22 - 150
Carbon disulfide	1.0	U	40.0	33.3		ug/L		83	30 - 150
Carbon tetrachloride	0.42	U	20.0	21.5		ug/L		107	61 - 134
Chlorobenzene	0.63	U	20.0	22.7		ug/L		114	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-48922-3 MS
Matrix: Ground Water
Analysis Batch: 126907

Client Sample ID: MW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	2.5	U	20.0	16.8		ug/L		84	39 - 150
Chloroform	0.90	U	20.0	22.9		ug/L		115	68 - 130
Chloromethane	1.0	U	20.0	14.3		ug/L		71	35 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	22.2		ug/L		111	66 - 130
cis-1,3-Dichloropropene	0.14	U	20.0	20.5		ug/L		102	70 - 130
Dibromochloromethane	0.34	U	20.0	20.7		ug/L		104	70 - 130
Dibromomethane	0.41	U	20.0	21.4		ug/L		107	70 - 130
Ethylbenzene	0.44	U	20.0	23.0		ug/L		115	70 - 130
Ethylene Dibromide	0.50	U	20.0	20.3		ug/L		102	66 - 130
Iodomethane	2.5	U	40.0	37.5		ug/L		94	70 - 130
Methyl isobutyl ketone (MIBK)	3.8	U	40.0	35.0		ug/L		87	64 - 137
Methylene Chloride	4.0	U	20.0	20.9		ug/L		104	57 - 130
Styrene	0.98	U	20.0	23.0		ug/L		115	68 - 131
Tetrachloroethene	0.50	U	20.0	22.0		ug/L		110	50 - 143
Toluene	0.51	U	20.0	21.8		ug/L		109	70 - 131
trans-1,2-Dichloroethene	0.44	U	20.0	22.2		ug/L		111	62 - 139
trans-1,3-Dichloropropene	0.14	U	20.0	16.3		ug/L		81	67 - 130
trans-1,4-Dichloro-2-butene	2.5	U	40.0	33.0		ug/L		82	70 - 130
Trichloroethene	0.50	U	20.0	21.6		ug/L		108	63 - 139
Trichlorofluoromethane	2.5	U	20.0	16.7		ug/L		84	62 - 146
Vinyl acetate	1.5	U	20.0	21.8		ug/L		109	31 - 146
Vinyl chloride	0.50	U	20.0	14.4		ug/L		72	48 - 147

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*104*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: 660-48922-2 DU
Matrix: Ground Water
Analysis Batch: 126907

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.63	U	0.63	U	ug/L		NC	30
1,1,1-Trichloroethane	0.46	U	0.46	U	ug/L		NC	30
1,1,2,2-Tetrachloroethane	0.15	U	0.15	U	ug/L		NC	30
1,1,2-Trichloroethane	0.47	U	0.47	U	ug/L		NC	30
1,1-Dichloroethane	0.52	U	0.52	U	ug/L		NC	30
1,1-Dichloroethene	0.45	U	0.45	U	ug/L		NC	30
1,2,3-Trichloropropane	0.18	U	0.18	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,2-Dichloroethane	0.57	U	0.57	U	ug/L		NC	30
1,2-Dichloropropane	0.52	U	0.52	U	ug/L		NC	30
1,4-Dichlorobenzene	0.52	U	0.52	U	ug/L		NC	30
2-Butanone	8.4	U	8.4	U	ug/L		NC	30
2-Hexanone	4.4	U	4.4	U	ug/L		NC	30
Acetone	9.9	U	9.9	U	ug/L		NC	30
Acrylonitrile	1.2	U	1.2	U	ug/L		NC	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-48922-2 DU
Matrix: Ground Water
Analysis Batch: 126907

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Benzene	0.50	U		0.50	U	ug/L				NC	30
Bromochloromethane	0.58	U		0.58	U	ug/L				NC	30
Bromodichloromethane	0.35	U		0.35	U	ug/L				NC	30
Bromoform	0.58	U		0.58	U	ug/L				NC	30
Bromomethane	2.5	U		2.5	U	ug/L				NC	30
Carbon disulfide	1.0	U		1.0	U	ug/L				NC	30
Carbon tetrachloride	0.42	U		0.42	U	ug/L				NC	30
Chlorobenzene	0.63	U		0.63	U	ug/L				NC	30
Chloroethane	2.5	U		2.5	U	ug/L				NC	30
Chloroform	0.90	U		0.90	U	ug/L				NC	30
Chloromethane	1.0	U		1.0	U	ug/L				NC	30
cis-1,2-Dichloroethene	0.65	U		0.65	U	ug/L				NC	30
cis-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
Dibromochloromethane	0.34	U		0.34	U	ug/L				NC	30
Dibromomethane	0.41	U		0.41	U	ug/L				NC	30
Ethylbenzene	0.44	U		0.44	U	ug/L				NC	30
Ethylene Dibromide	0.50	U		0.50	U	ug/L				NC	30
Iodomethane	2.5	U		2.5	U	ug/L				NC	30
Methyl isobutyl ketone (MIBK)	3.8	U		3.8	U	ug/L				NC	30
Methylene Chloride	4.0	U		4.0	U	ug/L				NC	30
Styrene	0.98	U		0.98	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	0.51	U		0.51	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.44	U		0.44	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.14	U		0.14	U	ug/L				NC	30
trans-1,4-Dichloro-2-butene	2.5	U		2.5	U	ug/L				NC	30
Trichloroethene	0.50	U		0.50	U	ug/L				NC	30
Trichlorofluoromethane	2.5	U		2.5	U	ug/L				NC	30
Vinyl acetate	1.5	U		1.5	U	ug/L				NC	30
Vinyl chloride	0.50	U		0.50	U	ug/L				NC	30
Xylenes, Total	0.50	U		0.50	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*107*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 660-126988/5
Matrix: Water
Analysis Batch: 126988

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			07/24/12 08:50	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			07/24/12 08:50	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			07/24/12 08:50	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			07/24/12 08:50	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			07/24/12 08:50	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			07/24/12 08:50	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			07/24/12 08:50	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 660-126988/5
Matrix: Water
Analysis Batch: 126988

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			07/24/12 08:50	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			07/24/12 08:50	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			07/24/12 08:50	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			07/24/12 08:50	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			07/24/12 08:50	1
2-Butanone	8.4	U	10	8.4	ug/L			07/24/12 08:50	1
2-Hexanone	4.4	U	10	4.4	ug/L			07/24/12 08:50	1
Acetone	9.9	U	20	9.9	ug/L			07/24/12 08:50	1
Acrylonitrile	1.2	U	10	1.2	ug/L			07/24/12 08:50	1
Benzene	0.50	U	1.0	0.50	ug/L			07/24/12 08:50	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			07/24/12 08:50	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			07/24/12 08:50	1
Bromoform	0.58	U	1.0	0.58	ug/L			07/24/12 08:50	1
Bromomethane	2.5	U	5.0	2.5	ug/L			07/24/12 08:50	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			07/24/12 08:50	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			07/24/12 08:50	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			07/24/12 08:50	1
Chloroethane	2.5	U	5.0	2.5	ug/L			07/24/12 08:50	1
Chloroform	0.90	U	1.0	0.90	ug/L			07/24/12 08:50	1
Chloromethane	1.0	U	4.0	1.0	ug/L			07/24/12 08:50	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			07/24/12 08:50	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/24/12 08:50	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			07/24/12 08:50	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			07/24/12 08:50	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			07/24/12 08:50	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			07/24/12 08:50	1
Iodomethane	2.5	U	5.0	2.5	ug/L			07/24/12 08:50	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			07/24/12 08:50	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			07/24/12 08:50	1
Styrene	0.98	U	2.0	0.98	ug/L			07/24/12 08:50	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			07/24/12 08:50	1
Toluene	0.51	U	1.0	0.51	ug/L			07/24/12 08:50	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			07/24/12 08:50	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			07/24/12 08:50	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			07/24/12 08:50	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			07/24/12 08:50	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			07/24/12 08:50	1
Vinyl acetate	1.5	U	10	1.5	ug/L			07/24/12 08:50	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			07/24/12 08:50	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			07/24/12 08:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*07/24/12 08:50*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*07/24/12 08:50*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*07/24/12 08:50*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 660-126988/3
Matrix: Water
Analysis Batch: 126988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	20.0	20.4		ug/L		102	70 - 130
1,1,1-Trichloroethane	20.0	19.3		ug/L		97	63 - 132
1,1,2,2-Tetrachloroethane	20.0	20.8		ug/L		104	70 - 130
1,1,2-Trichloroethane	20.0	20.5		ug/L		103	70 - 130
1,1-Dichloroethane	20.0	19.7		ug/L		98	66 - 130
1,1-Dichloroethene	20.0	19.7		ug/L		99	51 - 150
1,2,3-Trichloropropane	20.0	21.6		ug/L		108	66 - 130
1,2-Dibromo-3-Chloropropane	20.0	20.2		ug/L		101	63 - 130
1,2-Dichlorobenzene	20.0	20.8		ug/L		104	70 - 130
1,2-Dichloroethane	20.0	19.7		ug/L		99	70 - 130
1,2-Dichloropropane	20.0	21.0		ug/L		105	70 - 130
1,4-Dichlorobenzene	20.0	20.2		ug/L		101	70 - 130
2-Butanone	40.0	41.1		ug/L		103	63 - 140
2-Hexanone	40.0	44.6		ug/L		112	60 - 148
Acetone	40.0	51.0		ug/L		128	62 - 142
Acrylonitrile	40.0	39.2		ug/L		98	59 - 146
Benzene	20.0	19.7		ug/L		98	68 - 134
Bromochloromethane	20.0	19.9		ug/L		99	70 - 130
Bromodichloromethane	20.0	20.9		ug/L		104	70 - 130
Bromoform	20.0	20.6		ug/L		103	65 - 130
Bromomethane	20.0	26.9		ug/L		134	22 - 150
Carbon disulfide	40.0	38.3		ug/L		96	30 - 150
Carbon tetrachloride	20.0	19.3		ug/L		97	61 - 134
Chlorobenzene	20.0	20.5		ug/L		102	70 - 130
Chloroethane	20.0	21.8		ug/L		109	39 - 150
Chloroform	20.0	19.5		ug/L		98	68 - 130
Chloromethane	20.0	19.0		ug/L		95	35 - 150
cis-1,2-Dichloroethene	20.0	19.9		ug/L		99	66 - 130
cis-1,3-Dichloropropene	20.0	20.7		ug/L		104	70 - 130
Dibromochloromethane	20.0	21.0		ug/L		105	70 - 130
Dibromomethane	20.0	21.3		ug/L		107	70 - 130
Ethylbenzene	20.0	21.0		ug/L		105	70 - 130
Ethylene Dibromide	20.0	21.1		ug/L		105	66 - 130
Iodomethane	40.0	31.7		ug/L		79	70 - 130
Methyl isobutyl ketone (MIBK)	40.0	42.0		ug/L		105	64 - 137
Methylene Chloride	20.0	18.7		ug/L		93	57 - 130
Styrene	20.0	21.4		ug/L		107	68 - 131
Tetrachloroethene	20.0	22.7		ug/L		113	50 - 143
Toluene	20.0	20.6		ug/L		103	70 - 131
trans-1,2-Dichloroethene	20.0	20.1		ug/L		101	62 - 139
trans-1,3-Dichloropropene	20.0	21.2		ug/L		106	67 - 130
trans-1,4-Dichloro-2-butene	40.0	43.7		ug/L		109	70 - 130
Trichloroethene	20.0	20.7		ug/L		103	63 - 139
Trichlorofluoromethane	20.0	22.4		ug/L		112	62 - 146
Vinyl acetate	20.0	24.3		ug/L		121	31 - 146
Vinyl chloride	20.0	20.0		ug/L		100	48 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 660-126988/3
Matrix: Water
Analysis Batch: 126988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	*95*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: 640-39513-A-2 MS
Matrix: Water
Analysis Batch: 126988

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.63	U	20.0	19.9		ug/L		100	70 - 130
1,1,1-Trichloroethane	0.46	U	20.0	19.1		ug/L		96	63 - 132
1,1,2,2-Tetrachloroethane	0.15	U	20.0	20.6		ug/L		103	70 - 130
1,1,2-Trichloroethane	0.47	U	20.0	21.0		ug/L		105	70 - 130
1,1-Dichloroethane	0.52	U	20.0	20.4		ug/L		102	66 - 130
1,1-Dichloroethene	0.45	U	20.0	18.2		ug/L		91	51 - 150
1,2,3-Trichloropropane	0.18	U	20.0	20.8		ug/L		104	66 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	20.3		ug/L		101	63 - 130
1,2-Dichlorobenzene	0.44	U	20.0	20.5		ug/L		102	70 - 130
1,2-Dichloroethane	0.57	U	20.0	20.4		ug/L		102	70 - 130
1,2-Dichloropropane	0.52	U	20.0	20.3		ug/L		102	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	20.0		ug/L		100	70 - 130
2-Butanone	8.4	U	40.0	38.4		ug/L		96	63 - 140
2-Hexanone	4.4	U	40.0	39.6		ug/L		99	60 - 148
Acetone	9.9	U	40.0	36.1		ug/L		90	62 - 142
Acrylonitrile	1.2	U	40.0	38.9		ug/L		97	59 - 146
Benzene	0.50	U	20.0	20.0		ug/L		100	68 - 134
Bromochloromethane	0.58	U	20.0	20.0		ug/L		100	70 - 130
Bromodichloromethane	0.35	U	20.0	20.7		ug/L		104	70 - 130
Bromoform	0.58	U	20.0	19.5		ug/L		97	65 - 130
Bromomethane	2.5	U	20.0	9.09		ug/L		45	22 - 150
Carbon disulfide	1.0	U	40.0	38.9		ug/L		97	30 - 150
Carbon tetrachloride	0.42	U	20.0	18.3		ug/L		91	61 - 134
Chlorobenzene	0.63	U	20.0	20.1		ug/L		101	70 - 130
Chloroethane	2.5	U	20.0	18.6		ug/L		93	39 - 150
Chloroform	0.90	U	20.0	20.3		ug/L		101	68 - 130
Chloromethane	1.0	U	20.0	18.3		ug/L		91	35 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	20.1		ug/L		101	66 - 130
cis-1,3-Dichloropropene	0.14	U	20.0	20.1		ug/L		101	70 - 130
Dibromochloromethane	0.34	U	20.0	20.5		ug/L		102	70 - 130
Dibromomethane	0.41	U	20.0	20.9		ug/L		104	70 - 130
Ethylbenzene	0.44	U	20.0	20.5		ug/L		102	70 - 130
Ethylene Dibromide	0.50	U	20.0	20.5		ug/L		102	66 - 130
Iodomethane	2.5	U	40.0	32.4		ug/L		81	70 - 130
Methyl isobutyl ketone (MIBK)	3.8	U	40.0	39.8		ug/L		99	64 - 137
Methylene Chloride	4.0	U	20.0	18.6		ug/L		93	57 - 130
Styrene	0.98	U	20.0	21.2		ug/L		106	68 - 131
Tetrachloroethene	0.50	U	20.0	22.3		ug/L		111	50 - 143
Toluene	0.51	U	20.0	20.1		ug/L		101	70 - 131
trans-1,2-Dichloroethene	0.44	U	20.0	19.3		ug/L		97	62 - 139
trans-1,3-Dichloropropene	0.14	U	20.0	19.8		ug/L		99	67 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 640-39513-A-2 MS
Matrix: Water
Analysis Batch: 126988

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,4-Dichloro-2-butene	2.5	U J3	40.0	27.1	J3	ug/L		68	70 - 130
Trichloroethene	0.50	U	20.0	20.2		ug/L		101	63 - 139
Trichlorofluoromethane	2.5	U	20.0	22.9		ug/L		114	62 - 146
Vinyl acetate	1.5	U	20.0	23.7		ug/L		119	31 - 146
Vinyl chloride	0.50	U	20.0	20.8		ug/L		104	48 - 147

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 640-39513-D-1 DU
Matrix: Water
Analysis Batch: 126988

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.63	U	0.63	U	ug/L		NC	30
1,1,1-Trichloroethane	0.46	U	0.46	U	ug/L		NC	30
1,1,2,2-Tetrachloroethane	0.15	U	0.15	U	ug/L		NC	30
1,1,2-Trichloroethane	0.47	U	0.47	U	ug/L		NC	30
1,1-Dichloroethane	0.52	U	0.52	U	ug/L		NC	30
1,1-Dichloroethene	0.45	U	0.45	U	ug/L		NC	30
1,2,3-Trichloropropane	0.18	U	0.18	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
1,2-Dichlorobenzene	0.44	U	0.44	U	ug/L		NC	30
1,2-Dichloroethane	0.57	U	0.57	U	ug/L		NC	30
1,2-Dichloropropane	0.52	U	0.52	U	ug/L		NC	30
1,4-Dichlorobenzene	0.52	U	0.52	U	ug/L		NC	30
2-Butanone	8.4	U	8.4	U	ug/L		NC	30
2-Hexanone	4.4	U	4.4	U	ug/L		NC	30
Acetone	9.9	U	9.9	U	ug/L		NC	30
Acrylonitrile	1.2	U	1.2	U	ug/L		NC	30
Benzene	0.50	U	0.50	U	ug/L		NC	30
Bromochloromethane	0.58	U	0.58	U	ug/L		NC	30
Bromodichloromethane	0.35	U	0.35	U	ug/L		NC	30
Bromoform	0.58	U	0.58	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
Carbon disulfide	1.0	U	1.0	U	ug/L		NC	30
Carbon tetrachloride	0.42	U	0.42	U	ug/L		NC	30
Chlorobenzene	0.63	U	0.63	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.90	U	0.90	U	ug/L		NC	30
Chloromethane	1.0	U	1.0	U	ug/L		NC	30
cis-1,2-Dichloroethene	8.1		7.68		ug/L		5	30
cis-1,3-Dichloropropene	0.14	U	0.14	U	ug/L		NC	30
Dibromochloromethane	0.34	U	0.34	U	ug/L		NC	30
Dibromomethane	0.41	U	0.41	U	ug/L		NC	30
Ethylbenzene	0.44	U	0.44	U	ug/L		NC	30
Ethylene Dibromide	0.50	U	0.50	U	ug/L		NC	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 640-39513-D-1 DU
Matrix: Water
Analysis Batch: 126988

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Iodomethane	2.5	U	2.5	U	ug/L		NC	30
Methyl isobutyl ketone (MIBK)	3.8	U	3.8	U	ug/L		NC	30
Methylene Chloride	4.0	U	4.0	U	ug/L		NC	30
Styrene	0.98	U	0.98	U	ug/L		NC	30
Tetrachloroethene	0.50	U	0.50	U	ug/L		NC	30
Toluene	0.51	U	0.51	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.58	I	0.492	I	ug/L		17	30
trans-1,3-Dichloropropene	0.14	U	0.14	U	ug/L		NC	30
trans-1,4-Dichloro-2-butene	2.5	U	2.5	U	ug/L		NC	30
Trichloroethene	0.50	U	0.50	U	ug/L		NC	30
Trichlorofluoromethane	2.5	U	2.5	U	ug/L		NC	30
Vinyl acetate	1.5	U	1.5	U	ug/L		NC	30
Vinyl chloride	14		13.9		ug/L		0.5	30
Xylenes, Total	0.50	U	0.50	U	ug/L		NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

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

Lab Sample ID: MB 640-94426/10-A
Matrix: Water
Analysis Batch: 94454

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 94426

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0061	U	0.020	0.0061	ug/L		07/24/12 10:15	07/24/12 18:06	1
1,2-Dibromo-3-Chloropropano	0.0061	U	0.020	0.0061	ug/L		07/24/12 10:15	07/24/12 18:06	1
Ethylene Dibromide	0.0065	U	0.020	0.0065	ug/L		07/24/12 10:15	07/24/12 18:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,1,1,2-Tetrachloroethane	*93*		*56 - 144*	*07/24/12 10:15*	*07/24/12 18:06*	*1*

Lab Sample ID: LCS 640-94426/11-A
Matrix: Water
Analysis Batch: 94454

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 94426

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.250	0.249		ug/L		99	89 - 132
1,2-Dibromo-3-Chloropropano	0.250	0.249		ug/L		99	89 - 132
Ethylene Dibromide	0.250	0.224		ug/L		90	85 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*104*		*56 - 144*

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

Lab Sample ID: LCSD 640-94426/12-A
Matrix: Water
Analysis Batch: 94454

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 94426

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.250	0.247		ug/L		99	89 - 132	1	11
1,2-Dibromo-3-Chloropropano			0.250	0.247		ug/L		99	89 - 132	1	11
Ethylene Dibromide			0.250	0.234		ug/L		94	85 - 118	5	12

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*97*		*56 - 144*

Lab Sample ID: 640-39544-G-2-A MS
Matrix: Water
Analysis Batch: 94454

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 94426

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.0057	U	0.500	0.496		ug/L		99	89 - 132
1,2-Dibromo-3-Chloropropano	0.0057		0.500	0.496		ug/L		99	89 - 132
Ethylene Dibromide	0.0061	U	0.500	0.462		ug/L		92	85 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*100*		*56 - 144*

Lab Sample ID: 640-39544-G-2-B MSD
Matrix: Water
Analysis Batch: 94454

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 94426

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.0057	U	0.500	0.465		ug/L		93	89 - 132	6	11
1,2-Dibromo-3-Chloropropano	0.0057		0.500	0.465		ug/L		93	89 - 132	6	11
Ethylene Dibromide	0.0061	U	0.500	0.454		ug/L		91	85 - 118	2	12

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,1,1,2-Tetrachloroethane	*92*		*56 - 144*

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 680-243876/1-A
Matrix: Water
Analysis Batch: 244183

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 243876

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/20/12 06:22	07/22/12 12:52	1
Arsenic	1.3	U	2.5	1.3	ug/L		07/20/12 06:22	07/22/12 12:52	1
Barium	1.3	U	5.0	1.3	ug/L		07/20/12 06:22	07/22/12 12:52	1
Beryllium	0.25	U	0.50	0.25	ug/L		07/20/12 06:22	07/22/12 12:52	1
Cadmium	0.095	U	0.50	0.095	ug/L		07/20/12 06:22	07/22/12 12:52	1
Chromium	2.5	U	5.0	2.5	ug/L		07/20/12 06:22	07/22/12 12:52	1
Cobalt	0.15	U	0.50	0.15	ug/L		07/20/12 06:22	07/22/12 12:52	1
Copper	1.1	U	5.0	1.1	ug/L		07/20/12 06:22	07/22/12 12:52	1
Iron	33	U	100	33	ug/L		07/20/12 06:22	07/22/12 12:52	1
Lead	0.20	U	1.5	0.20	ug/L		07/20/12 06:22	07/22/12 12:52	1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-243876/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 244183 — **Prep Batch: 243876**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	2.0	U	5.0	2.0	ug/L		07/20/12 06:22	07/22/12 12:52	1
Selenium	1.0	U	2.5	1.0	ug/L		07/20/12 06:22	07/22/12 12:52	1
Silver	0.25	U	1.0	0.25	ug/L		07/20/12 06:22	07/22/12 12:52	1
Sodium	0.25	U	0.50	0.25	mg/L		07/20/12 06:22	07/22/12 12:52	1
Thallium	0.50	U	1.0	0.50	ug/L		07/20/12 06:22	07/22/12 12:52	1
Vanadium	3.8	U	10	3.8	ug/L		07/20/12 06:22	07/22/12 12:52	1
Zinc	8.3	U	20	8.3	ug/L		07/20/12 06:22	07/22/12 12:52	1

Lab Sample ID: LCS 680-243876/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 244183 — **Prep Batch: 243876**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	59.1		ug/L		118	75 - 125
Arsenic	100	107		ug/L		107	75 - 125
Barium	100	103		ug/L		103	75 - 125
Beryllium	50.0	52.0		ug/L		104	75 - 125
Cadmium	50.0	52.7		ug/L		105	75 - 125
Chromium	100	103		ug/L		103	75 - 125
Cobalt	50.0	52.9		ug/L		106	75 - 125
Copper	100	105		ug/L		105	75 - 125
Iron	5000	5350		ug/L		107	75 - 125
Lead	50.0	53.3		ug/L		107	75 - 125
Nickel	100	105		ug/L		105	75 - 125
Selenium	100	106		ug/L		106	75 - 125
Silver	50.0	52.4		ug/L		105	75 - 125
Sodium	5.00	5.22		mg/L		104	75 - 125
Thallium	40.0	42.0		ug/L		105	75 - 125
Vanadium	100	103		ug/L		103	75 - 125
Zinc	100	104		ug/L		104	75 - 125

Lab Sample ID: 640-39473-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 244183 — **Prep Batch: 243876**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	2.3	U	50.0	58.8		ug/L		118	75 - 125
Arsenic	1.3	U	100	107		ug/L		107	75 - 125
Barium	24		100	127		ug/L		103	75 - 125
Beryllium	0.25	U	50.0	51.7		ug/L		103	75 - 125
Cadmium	0.095	U	50.0	53.4		ug/L		107	75 - 125
Chromium	4.0	I	100	108		ug/L		104	75 - 125
Cobalt	1.2		50.0	54.6		ug/L		107	75 - 125
Copper	1.1	I	100	107		ug/L		106	75 - 125
Iron	94	I	5000	5670		ug/L		112	75 - 125
Lead	0.20	U	50.0	54.0		ug/L		108	75 - 125
Nickel	4.3	I	100	109		ug/L		104	75 - 125
Selenium	1.0	U	100	107		ug/L		107	75 - 125
Silver	0.25	U	50.0	53.2		ug/L		106	75 - 125
Sodium	7.0		5.00	12.4		mg/L		107	75 - 125

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 640-39473-A-1-B MS
Matrix: Water
Analysis Batch: 244183

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 243876

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	0.50	U	40.0	42.2		ug/L		106	75 - 125
Vanadium	3.8	U	100	104		ug/L		104	75 - 125
Zinc	8.3	U	100	107		ug/L		107	75 - 125

Lab Sample ID: 640-39473-A-1-C MSD
Matrix: Water
Analysis Batch: 244183

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 243876

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	2.3	U	50.0	57.8		ug/L		116	75 - 125	2	20
Arsenic	1.3	U	100	106		ug/L		106	75 - 125	1	20
Barium	24		100	126		ug/L		101	75 - 125	1	20
Beryllium	0.25	U	50.0	51.3		ug/L		103	75 - 125	1	20
Cadmium	0.095	U	50.0	51.9		ug/L		104	75 - 125	3	20
Chromium	4.0	I	100	106		ug/L		102	75 - 125	2	20
Cobalt	1.2		50.0	53.8		ug/L		105	75 - 125	1	20
Copper	1.1	I	100	105		ug/L		104	75 - 125	2	20
Iron	94	I	5000	5520		ug/L		108	75 - 125	3	20
Lead	0.20	U	50.0	53.0		ug/L		106	75 - 125	2	20
Nickel	4.3	I	100	107		ug/L		103	75 - 125	1	20
Selenium	1.0	U	100	105		ug/L		105	75 - 125	2	20
Silver	0.25	U	50.0	52.1		ug/L		104	75 - 125	2	20
Sodium	7.0		5.00	12.2		mg/L		105	75 - 125	1	20
Thallium	0.50	U	40.0	41.6		ug/L		104	75 - 125	2	20
Vanadium	3.8	U	100	103		ug/L		103	75 - 125	2	20
Zinc	8.3	U	100	105		ug/L		105	75 - 125	2	20

Lab Sample ID: MB 680-244068/1-A
Matrix: Water
Analysis Batch: 244418

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 244068

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/23/12 07:51	07/25/12 03:15	1
Arsenic	1.3	U	2.5	1.3	ug/L		07/23/12 07:51	07/25/12 03:15	1
Barium	1.3	U	5.0	1.3	ug/L		07/23/12 07:51	07/25/12 03:15	1
Beryllium	0.25	U	0.50	0.25	ug/L		07/23/12 07:51	07/25/12 03:15	1
Cadmium	0.095	U	0.50	0.095	ug/L		07/23/12 07:51	07/25/12 03:15	1
Chromium	2.5	U	5.0	2.5	ug/L		07/23/12 07:51	07/25/12 03:15	1
Cobalt	0.15	U	0.50	0.15	ug/L		07/23/12 07:51	07/25/12 03:15	1
Copper	1.1	U	5.0	1.1	ug/L		07/23/12 07:51	07/25/12 03:15	1
Iron	33	U	100	33	ug/L		07/23/12 07:51	07/25/12 03:15	1
Lead	0.20	U	1.5	0.20	ug/L		07/23/12 07:51	07/25/12 03:15	1
Nickel	2.0	U	5.0	2.0	ug/L		07/23/12 07:51	07/25/12 03:15	1
Selenium	1.90	I	2.5	1.0	ug/L		07/23/12 07:51	07/25/12 03:15	1
Silver	0.25	U	1.0	0.25	ug/L		07/23/12 07:51	07/25/12 03:15	1
Sodium	0.25	U	0.50	0.25	mg/L		07/23/12 07:51	07/25/12 03:15	1
Thallium	0.50	U	1.0	0.50	ug/L		07/23/12 07:51	07/25/12 03:15	1
Vanadium	3.8	U	10	3.8	ug/L		07/23/12 07:51	07/25/12 03:15	1
Zinc	8.3	U	20	8.3	ug/L		07/23/12 07:51	07/25/12 03:15	1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-244068/2-A
Matrix: Water
Analysis Batch: 244418

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 244068

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	54.0		ug/L		108	75 - 125
Arsenic	100	105		ug/L		105	75 - 125
Barium	100	105		ug/L		105	75 - 125
Beryllium	50.0	50.8		ug/L		102	75 - 125
Cadmium	50.0	51.6		ug/L		103	75 - 125
Chromium	100	103		ug/L		103	75 - 125
Cobalt	50.0	52.0		ug/L		104	75 - 125
Copper	100	103		ug/L		103	75 - 125
Iron	5000	5190		ug/L		104	75 - 125
Lead	50.0	53.3		ug/L		107	75 - 125
Nickel	100	106		ug/L		106	75 - 125
Selenium	100	91.5		ug/L		91	75 - 125
Silver	50.0	52.6		ug/L		105	75 - 125
Sodium	5.00	5.26		mg/L		105	75 - 125
Thallium	40.0	42.4		ug/L		106	75 - 125
Vanadium	100	100		ug/L		100	75 - 125
Zinc	100	102		ug/L		102	75 - 125

Lab Sample ID: 640-39517-A-2-B MS
Matrix: Water
Analysis Batch: 244418

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 244068

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	2.3	U	50.0	56.8		ug/L		114	75 - 125
Arsenic	1.8	I	100	104		ug/L		103	75 - 125
Barium	250		100	353		ug/L		104	75 - 125
Beryllium	0.25	U	50.0	51.7		ug/L		103	75 - 125
Cadmium	0.095	U	50.0	50.8		ug/L		102	75 - 125
Chromium	3.8	I	100	104		ug/L		101	75 - 125
Cobalt	1.8		50.0	53.3		ug/L		103	75 - 125
Copper	1.1	U	100	104		ug/L		104	75 - 125
Iron	59000	J3	5000	62700	J3	ug/L		70	75 - 125
Lead	0.20	U	50.0	51.4		ug/L		103	75 - 125
Nickel	3.9	I	100	114		ug/L		110	75 - 125
Selenium	1.0	U	100	102		ug/L		102	75 - 125
Silver	0.25	U	50.0	52.8		ug/L		106	75 - 125
Sodium	88	J3	5.00	88.8	J3	mg/L		15	75 - 125
Thallium	0.50	U	40.0	39.8		ug/L		99	75 - 125
Vanadium	3.8	U	100	102		ug/L		102	75 - 125
Zinc	8.3	U	100	112		ug/L		112	75 - 125

Lab Sample ID: 640-39517-A-2-C MSD
Matrix: Water
Analysis Batch: 244418

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 244068

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	2.3	U	50.0	57.0		ug/L		114	75 - 125	0	20
Arsenic	1.8	I	100	108		ug/L		106	75 - 125	3	20
Barium	250		100	361		ug/L		113	75 - 125	2	20
Beryllium	0.25	U	50.0	53.2		ug/L		106	75 - 125	3	20

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 640-39517-A-2-C MSD
Matrix: Water
Analysis Batch: 244418

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 244068

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.095	U	50.0	54.1		ug/L		108	75 - 125	6	20
Chromium	3.8	I	100	107		ug/L		103	75 - 125	2	20
Cobalt	1.8		50.0	53.4		ug/L		103	75 - 125	0	20
Copper	1.1	U	100	107		ug/L		107	75 - 125	3	20
Iron	59000	J3	5000	63900		ug/L		94	75 - 125	2	20
Lead	0.20	U	50.0	52.8		ug/L		106	75 - 125	3	20
Nickel	3.9	I	100	107		ug/L		103	75 - 125	6	20
Selenium	1.0	U	100	105		ug/L		105	75 - 125	2	20
Silver	0.25	U	50.0	53.2		ug/L		106	75 - 125	1	20
Sodium	88	J3	5.00	93.7		mg/L		113	75 - 125	5	20
Thallium	0.50	U	40.0	40.0		ug/L		100	75 - 125	1	20
Vanadium	3.8	U	100	102		ug/L		102	75 - 125	0	20
Zinc	8.3	U	100	112		ug/L		112	75 - 125	1	20

Lab Sample ID: MB 680-244171/1-A
Matrix: Water
Analysis Batch: 244418

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 244171

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		07/23/12 15:08	07/24/12 22:19	1
Arsenic	1.3	U	2.5	1.3	ug/L		07/23/12 15:08	07/24/12 22:19	1
Barium	1.3	U	5.0	1.3	ug/L		07/23/12 15:08	07/24/12 22:19	1
Beryllium	0.25	U	0.50	0.25	ug/L		07/23/12 15:08	07/24/12 22:19	1
Cadmium	0.095	U	0.50	0.095	ug/L		07/23/12 15:08	07/24/12 22:19	1
Chromium	2.5	U	5.0	2.5	ug/L		07/23/12 15:08	07/24/12 22:19	1
Cobalt	0.15	U	0.50	0.15	ug/L		07/23/12 15:08	07/24/12 22:19	1
Copper	1.1	U	5.0	1.1	ug/L		07/23/12 15:08	07/24/12 22:19	1
Iron	33	U	100	33	ug/L		07/23/12 15:08	07/24/12 22:19	1
Lead	0.20	U	1.5	0.20	ug/L		07/23/12 15:08	07/24/12 22:19	1
Nickel	2.0	U	5.0	2.0	ug/L		07/23/12 15:08	07/24/12 22:19	1
Selenium	1.0	U	2.5	1.0	ug/L		07/23/12 15:08	07/24/12 22:19	1
Silver	0.25	U	1.0	0.25	ug/L		07/23/12 15:08	07/24/12 22:19	1
Sodium	0.25	U	0.50	0.25	mg/L		07/23/12 15:08	07/24/12 22:19	1
Thallium	0.50	U	1.0	0.50	ug/L		07/23/12 15:08	07/24/12 22:19	1
Vanadium	3.8	U	10	3.8	ug/L		07/23/12 15:08	07/24/12 22:19	1
Zinc	8.3	U	20	8.3	ug/L		07/23/12 15:08	07/24/12 22:19	1

Lab Sample ID: LCS 680-244171/2-A
Matrix: Water
Analysis Batch: 244418

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 244171

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	54.4		ug/L		109	75 - 125
Arsenic	100	107		ug/L		107	75 - 125
Barium	100	102		ug/L		102	75 - 125
Beryllium	50.0	54.2		ug/L		108	75 - 125
Cadmium	50.0	52.9		ug/L		106	75 - 125
Chromium	100	103		ug/L		103	75 - 125
Cobalt	50.0	52.6		ug/L		105	75 - 125
Copper	100	106		ug/L		106	75 - 125

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-244171/2-A
Matrix: Water
Analysis Batch: 244418

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 244171

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	5320		ug/L		106	75 - 125
Lead	50.0	55.3		ug/L		111	75 - 125
Nickel	100	107		ug/L		107	75 - 125
Selenium	100	109		ug/L		109	75 - 125
Silver	50.0	54.8		ug/L		110	75 - 125
Sodium	5.00	5.21		mg/L		104	75 - 125
Thallium	40.0	41.6		ug/L		104	75 - 125
Vanadium	100	99.3		ug/L		99	75 - 125
Zinc	100	108		ug/L		108	75 - 125

Lab Sample ID: 660-48949-1 MS
Matrix: Ground Water
Analysis Batch: 244418

Client Sample ID: MW-6
Prep Type: Total Recoverable
Prep Batch: 244171

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	2.3	U	50.0	56.7		ug/L		113	75 - 125
Arsenic	1.3	U	100	103		ug/L		103	75 - 125
Barium	72		100	183		ug/L		111	75 - 125
Beryllium	0.34	I	50.0	50.8		ug/L		101	75 - 125
Cadmium	0.21	I	50.0	51.6		ug/L		103	75 - 125
Chromium	2.5	U	100	104		ug/L		104	75 - 125
Cobalt	1.9		50.0	53.1		ug/L		102	75 - 125
Copper	8.3		100	109		ug/L		101	75 - 125
Iron	2400		5000	7250		ug/L		97	75 - 125
Lead	3.8		50.0	53.6		ug/L		100	75 - 125
Nickel	26		100	124		ug/L		98	75 - 125
Selenium	1.0	U	100	107		ug/L		107	75 - 125
Silver	0.25	U	50.0	50.7		ug/L		101	75 - 125
Sodium	120	J3	5.00	125	J3	mg/L		27	75 - 125
Thallium	0.50	U	40.0	38.7		ug/L		97	75 - 125
Vanadium	3.8	U	100	101		ug/L		101	75 - 125
Zinc	13	I	100	114		ug/L		102	75 - 125

Lab Sample ID: 660-48949-1 MSD
Matrix: Ground Water
Analysis Batch: 244418

Client Sample ID: MW-6
Prep Type: Total Recoverable
Prep Batch: 244171

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	2.3	U	50.0	54.0		ug/L		108	75 - 125	5	20
Arsenic	1.3	U	100	100		ug/L		100	75 - 125	3	20
Barium	72		100	172		ug/L		100	75 - 125	6	20
Beryllium	0.34	I	50.0	53.4		ug/L		106	75 - 125	5	20
Cadmium	0.21	I	50.0	49.8		ug/L		99	75 - 125	4	20
Chromium	2.5	U	100	97.4		ug/L		97	75 - 125	6	20
Cobalt	1.9		50.0	51.8		ug/L		100	75 - 125	3	20
Copper	8.3		100	109		ug/L		101	75 - 125	0	20
Iron	2400		5000	7690		ug/L		105	75 - 125	6	20
Lead	3.8		50.0	55.0		ug/L		102	75 - 125	3	20
Nickel	26		100	123		ug/L		97	75 - 125	1	20
Selenium	1.0	U	100	111		ug/L		111	75 - 125	4	20

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: 660-48949-1 MSD — **Client Sample ID: MW-6**
Matrix: Ground Water — **Prep Type: Total Recoverable**
Analysis Batch: 244418 — **Prep Batch: 244171**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	0.25	U	50.0	52.0		ug/L		104	75 - 125	2	20
Sodium	120	J3	5.00	128		mg/L		82	75 - 125	2	20
Thallium	0.50	U	40.0	42.4		ug/L		106	75 - 125	9	20
Vanadium	3.8	U	100	98.2		ug/L		98	75 - 125	3	20
Zinc	13	I	100	115		ug/L		102	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-243844/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 244136 — **Prep Batch: 243844**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		07/19/12 14:53	07/20/12 13:54	1

Lab Sample ID: LCS 680-243844/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 244136 — **Prep Batch: 243844**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.47		ug/L		99	80 - 120

Lab Sample ID: 640-39475-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 244136 — **Prep Batch: 243844**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.091	U	1.00	1.01		ug/L		101	80 - 120

Lab Sample ID: 640-39475-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 244136 — **Prep Batch: 243844**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.091	U	1.00	0.828		ug/L		83	80 - 120	20	20

Lab Sample ID: MB 680-244288/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 244836 — **Prep Batch: 244288**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		07/24/12 14:35	07/26/12 20:11	1

Lab Sample ID: LCS 680-244288/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 244836 — **Prep Batch: 244288**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.70		ug/L		108	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 640-39520-A-1-C MS
Matrix: Water
Analysis Batch: 244836

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 244288

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.49	J3	1.00	1.21	J3	ug/L		72	80 - 120

Lab Sample ID: 640-39520-A-1-D MSD
Matrix: Water
Analysis Batch: 244836

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 244288

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.49	J3	1.00	1.32		ug/L		83	80 - 120	8	20

Method: 300.0 - Chloride

Lab Sample ID: 660-48922-2 MS
Matrix: Ground Water
Analysis Batch: 127099

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	5.0		10.0	15.2		mg/L		102	90 - 110

Lab Sample ID: 660-48922-2 MSD
Matrix: Ground Water
Analysis Batch: 127099

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	5.0		10.0	15.2		mg/L		103	90 - 110	0	30

Lab Sample ID: MB 660-127122/13
Matrix: Water
Analysis Batch: 127122

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			07/27/12 11:39	1

Lab Sample ID: LCS 660-127122/14
Matrix: Water
Analysis Batch: 127122

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	9.88		mg/L		99	90 - 110

Lab Sample ID: 660-48963-1 MS
Matrix: Water
Analysis Batch: 127122

Client Sample ID: MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	4.0		10.0	14.3		mg/L		103	90 - 110

Method: 300.0 - Chloride (Continued)

Lab Sample ID: 660-48963-1 MSD
Matrix: Water
Analysis Batch: 127122

Client Sample ID: MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4.0		10.0	14.3		mg/L		102	90 - 110	0	30

Lab Sample ID: 660-48974-1 MS
Matrix: Ground Water
Analysis Batch: 127122

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	13		10.0	23.3		mg/L		107	90 - 110

Lab Sample ID: 660-48974-1 MSD
Matrix: Ground Water
Analysis Batch: 127122

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	13		10.0	23.2		mg/L		107	90 - 110	0	30

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 660-127099/4
Matrix: Water
Analysis Batch: 127099

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			07/26/12 08:51	1

Lab Sample ID: LCS 660-127099/5
Matrix: Water
Analysis Batch: 127099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	9.81		mg/L		98	90 - 110

Lab Sample ID: 660-48922-7 MS
Matrix: Ground Water
Analysis Batch: 127099

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3.6		10.0	13.6		mg/L		100	90 - 110

Lab Sample ID: 660-48922-7 MSD
Matrix: Ground Water
Analysis Batch: 127099

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3.6		10.0	13.6		mg/L		100	90 - 110	0	30

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 660-127025/3
Matrix: Water
Analysis Batch: 127025

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	0.010	U	0.060	0.010	mg/L			07/25/12 20:14	1

Lab Sample ID: LCS 660-127025/4
Matrix: Water
Analysis Batch: 127025

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia as N			0.500	0.533		mg/L		107	90 - 110		

Lab Sample ID: 660-48922-2 MS
Matrix: Ground Water
Analysis Batch: 127025

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia as N	0.35		1.00	1.41		mg/L		106	90 - 110		

Lab Sample ID: 660-48922-2 MSD
Matrix: Ground Water
Analysis Batch: 127025

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia as N	0.35		1.00	1.41		mg/L		106	90 - 110	0	30

Lab Sample ID: 660-48922-7 MS
Matrix: Ground Water
Analysis Batch: 127025

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ammonia as N	0.16		1.00	1.19		mg/L		103	90 - 110		

Lab Sample ID: 660-48922-7 MSD
Matrix: Ground Water
Analysis Batch: 127025

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia as N	0.16		1.00	1.18		mg/L		102	90 - 110	1	30

Method: 353.2 - Nitrate

Lab Sample ID: MB 660-126761/37
Matrix: Water
Analysis Batch: 126761

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.10	U	0.50	0.10	mg/L			07/18/12 14:56	1

Method: 353.2 - Nitrate (Continued)

Lab Sample ID: LCS 660-126761/13
Matrix: Water
Analysis Batch: 126761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.00	1.02		mg/L		102	90 - 110
Nitrite as N	0.500	0.492	I	mg/L		98	90 - 110

Lab Sample ID: 660-48922-2 MS
Matrix: Ground Water
Analysis Batch: 126761

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.1		1.00	1.89	J3	mg/L		82	90 - 110
Nitrite as N	0.10		0.500	0.514		mg/L		103	90 - 110

Lab Sample ID: 660-48922-2 MSD
Matrix: Ground Water
Analysis Batch: 126761

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	1.1		1.00	1.89	J3	mg/L		82	90 - 110	0	30
Nitrite as N	0.10		0.500	0.514		mg/L		103	90 - 110	0	30

Lab Sample ID: MB 660-126841/12
Matrix: Water
Analysis Batch: 126841

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.10	U	0.50	0.10	mg/L			07/19/12 14:12	1

Lab Sample ID: LCS 660-126841/13
Matrix: Water
Analysis Batch: 126841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.00	0.920		mg/L		92	90 - 110

Lab Sample ID: LCS 660-126841/8
Matrix: Water
Analysis Batch: 126841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	1.00	0.985		mg/L		99	90 - 110

Lab Sample ID: 660-48957-C-1 MS
Matrix: Water
Analysis Batch: 126841

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.10	U J3	1.00	0.872	J3	mg/L		87	90 - 110
Nitrite as N	0.10	U	0.500	0.517		mg/L		103	90 - 110

Method: 353.2 - Nitrate (Continued)

Lab Sample ID: 660-48957-C-1 MSD
Matrix: Water
Analysis Batch: 126841

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.10	U J3	1.00	0.863	J3	mg/L		86	90 - 110	1	30
Nitrite as N	0.10	U	0.500	0.516		mg/L		103	90 - 110	0	30

Lab Sample ID: MB 660-126864/12
Matrix: Water
Analysis Batch: 126864

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.10	U	0.50	0.10	mg/L			07/20/12 15:34	1

Lab Sample ID: LCS 660-126864/13
Matrix: Water
Analysis Batch: 126864

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.00	1.00		mg/L		100	90 - 110
Nitrite as N	0.500	0.492	I	mg/L		98	90 - 110

Lab Sample ID: 660-48974-2 MS
Matrix: Ground Water
Analysis Batch: 126864

Client Sample ID: MW-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.10		1.00	0.829	J3	mg/L		83	90 - 110
Nitrite as N	0.10		0.500	0.490	I	mg/L		98	90 - 110

Lab Sample ID: 660-48974-2 MSD
Matrix: Ground Water
Analysis Batch: 126864

Client Sample ID: MW-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.10		1.00	0.818	J3	mg/L		82	90 - 110	1	30
Nitrite as N	0.10		0.500	0.487	I	mg/L		97	90 - 110	1	30

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: 660-48955-C-1 MS
Matrix: Water
Analysis Batch: 126841

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.10	U J3	1.00	0.853	J3	mg/L		85	90 - 110
Nitrite as N	0.10	U	0.500	0.503		mg/L		101	90 - 110

Lab Sample ID: 660-48955-C-1 MSD
Matrix: Water
Analysis Batch: 126841

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.10	U J3	1.00	0.849	J3	mg/L		85	90 - 110	0	30
Nitrite as N	0.10	U	0.500	0.508		mg/L		102	90 - 110	1	30

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 660-126946/1
Matrix: Water
Analysis Batch: 126946

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			07/24/12 11:16	1

Lab Sample ID: LCS 660-126946/2
Matrix: Water
Analysis Batch: 126946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	10000	9860		mg/L		99	80 - 120

Lab Sample ID: 640-39521-B-2 DU
Matrix: Water
Analysis Batch: 126946

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	370		424		mg/L		13	20

Lab Sample ID: MB 660-127000/1
Matrix: Water
Analysis Batch: 127000

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			07/25/12 12:55	1

Lab Sample ID: LCS 660-127000/2
Matrix: Water
Analysis Batch: 127000

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	10000	9960		mg/L		100	80 - 120

Lab Sample ID: 640-39551-A-1 DU
Matrix: Water
Analysis Batch: 127000

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	400		404		mg/L		1	20

Lab Sample ID: 660-48963-2 DU
Matrix: Water
Analysis Batch: 127000

Client Sample ID: MW-20
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	180		188		mg/L		4	20

Lab Sample ID: MB 660-127054/1
Matrix: Water
Analysis Batch: 127054

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			07/26/12 11:29	1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 660-127054/2
Matrix: Water
Analysis Batch: 127054

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			10000	9920		mg/L		99	80 - 120		

Lab Sample ID: 640-39551-A-2 DU
Matrix: Water
Analysis Batch: 127054

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	400			416		mg/L				3	20

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Lab Sample ID: MB 660-127022/1
Matrix: Water
Analysis Batch: 127022

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	1.0	U	1.0	1.0	CFU/100mL			07/18/12 18:15	1

Lab Sample ID: 660-48949-1 DU
Matrix: Ground Water
Analysis Batch: 127022

Client Sample ID: MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Coliform, Fecal	2.0			2.00		CFU/100mL				0	50

GC/MS VOA

Analysis Batch: 126904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48974-4	MW-18	Total/NA	Ground Water	8260B	
660-48974-5	MW-19	Total/NA	Ground Water	8260B	
660-48974-C-1 DU	660-48974-C-1 DU	Total/NA	Ground Water	8260B	
660-48974-D-2 MS	660-48974-D-2 MS	Total/NA	Ground Water	8260B	
LCS 660-126904/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-126904/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 126907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48922-1	Field Blank	Total/NA	Ground Water	8260B	
660-48922-2	MW-11	Total/NA	Ground Water	8260B	
660-48922-2 DU	MW-11	Total/NA	Ground Water	8260B	
660-48922-3	MW-17	Total/NA	Ground Water	8260B	
660-48922-3 MS	MW-17	Total/NA	Ground Water	8260B	
660-48922-4	MW-15	Total/NA	Ground Water	8260B	
660-48922-5	MW-12	Total/NA	Ground Water	8260B	
660-48922-6	MW-13	Total/NA	Ground Water	8260B	
660-48922-7	MW-14	Total/NA	Ground Water	8260B	
660-48922-8	Trip Blank Assessment	Total/NA	Ground Water	8260B	
660-48949-1	MW-6	Total/NA	Ground Water	8260B	
660-48963-1	MW-7	Total/NA	Water	8260B	
660-48963-2	MW-20	Total/NA	Water	8260B	
660-48963-3	Trip Blank	Total/NA	Water	8260B	
LCS 660-126907/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-126907/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 126988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-39513-A-2 MS	Matrix Spike	Total/NA	Water	8260B	
640-39513-D-1 DU	Duplicate	Total/NA	Water	8260B	
660-48974-1	MW-3	Total/NA	Ground Water	8260B	
660-48974-2	MW-21	Total/NA	Ground Water	8260B	
660-48974-3	MW-10	Total/NA	Ground Water	8260B	
LCS 660-126988/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-126988/5	Method Blank	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 94426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-39544-G-2-A MS	Matrix Spike	Total/NA	Water	8011	
640-39544-G-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	8011	
660-48922-1	Field Blank	Total/NA	Ground Water	8011	
660-48922-2	MW-11	Total/NA	Ground Water	8011	
660-48922-3	MW-17	Total/NA	Ground Water	8011	
660-48922-4	MW-15	Total/NA	Ground Water	8011	
660-48922-5	MW-12	Total/NA	Ground Water	8011	
660-48922-6	MW-13	Total/NA	Ground Water	8011	
660-48922-7	MW-14	Total/NA	Ground Water	8011	
660-48949-1	MW-6	Total/NA	Ground Water	8011	
660-48963-1	MW-7	Total/NA	Water	8011	
660-48963-2	MW-20	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 94426 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48974-1	MW-3	Total/NA	Ground Water	8011	
660-48974-2	MW-21	Total/NA	Ground Water	8011	
660-48974-3	MW-10	Total/NA	Ground Water	8011	
LCS 640-94426/11-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 640-94426/12-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 640-94426/10-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 94454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-39544-G-2-A MS	Matrix Spike	Total/NA	Water	8011	94426
640-39544-G-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	8011	94426
660-48922-1	Field Blank	Total/NA	Ground Water	8011	94426
660-48922-2	MW-11	Total/NA	Ground Water	8011	94426
660-48922-3	MW-17	Total/NA	Ground Water	8011	94426
660-48922-4	MW-15	Total/NA	Ground Water	8011	94426
660-48922-5	MW-12	Total/NA	Ground Water	8011	94426
660-48922-6	MW-13	Total/NA	Ground Water	8011	94426
660-48922-7	MW-14	Total/NA	Ground Water	8011	94426
660-48949-1	MW-6	Total/NA	Ground Water	8011	94426
660-48963-1	MW-7	Total/NA	Water	8011	94426
660-48963-2	MW-20	Total/NA	Water	8011	94426
660-48974-1	MW-3	Total/NA	Ground Water	8011	94426
660-48974-2	MW-21	Total/NA	Ground Water	8011	94426
660-48974-3	MW-10	Total/NA	Ground Water	8011	94426
LCS 640-94426/11-A	Lab Control Sample	Total/NA	Water	8011	94426
LCSD 640-94426/12-A	Lab Control Sample Dup	Total/NA	Water	8011	94426
MB 640-94426/10-A	Method Blank	Total/NA	Water	8011	94426

Metals

Prep Batch: 243844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-39475-A-1-C MS	Matrix Spike	Total/NA	Water	7470A	
640-39475-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
660-48922-1	Field Blank	Total/NA	Ground Water	7470A	
660-48922-2	MW-11	Total/NA	Ground Water	7470A	
660-48922-3	MW-17	Total/NA	Ground Water	7470A	
660-48922-4	MW-15	Total/NA	Ground Water	7470A	
660-48922-5	MW-12	Total/NA	Ground Water	7470A	
660-48922-5	MW-12	Dissolved	Ground Water	7470A	
660-48922-6	MW-13	Total/NA	Ground Water	7470A	
660-48922-7	MW-14	Total/NA	Ground Water	7470A	
LCS 680-243844/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-243844/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 243876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-39473-A-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
640-39473-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
660-48922-1	Field Blank	Total Recoverable	Ground Water	3005A	
660-48922-2	MW-11	Total Recoverable	Ground Water	3005A	
660-48922-3	MW-17	Total Recoverable	Ground Water	3005A	

Metals (Continued)

Prep Batch: 243876 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48922-4	MW-15	Total Recoverable	Ground Water	3005A	
660-48922-5	MW-12	Total Recoverable	Ground Water	3005A	
660-48922-5	MW-12	Dissolved	Ground Water	3005A	
660-48922-6	MW-13	Total Recoverable	Ground Water	3005A	
660-48922-7	MW-14	Total Recoverable	Ground Water	3005A	
LCS 680-243876/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-243876/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 244068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-39517-A-2-B MS	Matrix Spike	Total Recoverable	Water	3005A	
640-39517-A-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
660-48974-2	MW-21	Total Recoverable	Ground Water	3005A	
660-48974-3	MW-10	Total Recoverable	Ground Water	3005A	
LCS 680-244068/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-244068/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 244136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-39475-A-1-C MS	Matrix Spike	Total/NA	Water	7470A	243844
640-39475-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	243844
660-48922-1	Field Blank	Total/NA	Ground Water	7470A	243844
660-48922-2	MW-11	Total/NA	Ground Water	7470A	243844
660-48922-3	MW-17	Total/NA	Ground Water	7470A	243844
660-48922-4	MW-15	Total/NA	Ground Water	7470A	243844
660-48922-5	MW-12	Total/NA	Ground Water	7470A	243844
660-48922-5	MW-12	Dissolved	Ground Water	7470A	243844
660-48922-6	MW-13	Total/NA	Ground Water	7470A	243844
660-48922-7	MW-14	Total/NA	Ground Water	7470A	243844
LCS 680-243844/2-A	Lab Control Sample	Total/NA	Water	7470A	243844
MB 680-243844/1-A	Method Blank	Total/NA	Water	7470A	243844

Prep Batch: 244171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48949-1	MW-6	Total Recoverable	Ground Water	3005A	
660-48949-1 MS	MW-6	Total Recoverable	Ground Water	3005A	
660-48949-1 MSD	MW-6	Total Recoverable	Ground Water	3005A	
660-48963-1	MW-7	Total Recoverable	Water	3005A	
660-48963-2	MW-20	Total Recoverable	Water	3005A	
660-48974-1	MW-3	Total Recoverable	Ground Water	3005A	
660-48974-2	MW-21	Dissolved	Ground Water	3005A	
660-48974-3	MW-10	Dissolved	Ground Water	3005A	
LCS 680-244171/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-244171/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 244183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-39473-A-1-B MS	Matrix Spike	Total Recoverable	Water	6020	243876
640-39473-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020	243876
660-48922-1	Field Blank	Total Recoverable	Ground Water	6020	243876
660-48922-2	MW-11	Total Recoverable	Ground Water	6020	243876
660-48922-3	MW-17	Total Recoverable	Ground Water	6020	243876

Metals (Continued)

Analysis Batch: 244183 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48922-4	MW-15	Total Recoverable	Ground Water	6020	243876
660-48922-5	MW-12	Total Recoverable	Ground Water	6020	243876
660-48922-5	MW-12	Dissolved	Ground Water	6020	243876
660-48922-6	MW-13	Total Recoverable	Ground Water	6020	243876
660-48922-7	MW-14	Total Recoverable	Ground Water	6020	243876
LCS 680-243876/2-A	Lab Control Sample	Total Recoverable	Water	6020	243876
MB 680-243876/1-A	Method Blank	Total Recoverable	Water	6020	243876

Prep Batch: 244288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-39520-A-1-C MS	Matrix Spike	Total/NA	Water	7470A	
640-39520-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
660-48949-1	MW-6	Total/NA	Ground Water	7470A	
660-48963-1	MW-7	Total/NA	Water	7470A	
660-48963-2	MW-20	Total/NA	Water	7470A	
660-48974-1	MW-3	Total/NA	Ground Water	7470A	
660-48974-2	MW-21	Total/NA	Ground Water	7470A	
660-48974-2	MW-21	Dissolved	Ground Water	7470A	
660-48974-3	MW-10	Total/NA	Ground Water	7470A	
660-48974-3	MW-10	Dissolved	Ground Water	7470A	
LCS 680-244288/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-244288/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 244418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-39517-A-2-B MS	Matrix Spike	Total Recoverable	Water	6020	244068
640-39517-A-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020	244068
660-48949-1	MW-6	Total Recoverable	Ground Water	6020	244171
660-48949-1 MS	MW-6	Total Recoverable	Ground Water	6020	244171
660-48949-1 MSD	MW-6	Total Recoverable	Ground Water	6020	244171
660-48963-1	MW-7	Total Recoverable	Water	6020	244171
660-48963-2	MW-20	Total Recoverable	Water	6020	244171
660-48974-1	MW-3	Total Recoverable	Ground Water	6020	244171
660-48974-2	MW-21	Total Recoverable	Ground Water	6020	244068
660-48974-2	MW-21	Dissolved	Ground Water	6020	244171
660-48974-3	MW-10	Total Recoverable	Ground Water	6020	244068
660-48974-3	MW-10	Dissolved	Ground Water	6020	244171
LCS 680-244068/2-A	Lab Control Sample	Total Recoverable	Water	6020	244068
LCS 680-244171/2-A	Lab Control Sample	Total Recoverable	Water	6020	244171
MB 680-244068/1-A	Method Blank	Total Recoverable	Water	6020	244068
MB 680-244171/1-A	Method Blank	Total Recoverable	Water	6020	244171

Analysis Batch: 244836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-39520-A-1-C MS	Matrix Spike	Total/NA	Water	7470A	244288
640-39520-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	244288
660-48949-1	MW-6	Total/NA	Ground Water	7470A	244288
660-48963-1	MW-7	Total/NA	Water	7470A	244288
660-48963-2	MW-20	Total/NA	Water	7470A	244288
660-48974-1	MW-3	Total/NA	Ground Water	7470A	244288
660-48974-2	MW-21	Total/NA	Ground Water	7470A	244288
660-48974-2	MW-21	Dissolved	Ground Water	7470A	244288

Metals (Continued)

Analysis Batch: 244836 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48974-3	MW-10	Total/NA	Ground Water	7470A	244288
660-48974-3	MW-10	Dissolved	Ground Water	7470A	244288
LCS 680-244288/2-A	Lab Control Sample	Total/NA	Water	7470A	244288
MB 680-244288/1-A	Method Blank	Total/NA	Water	7470A	244288

General Chemistry

Analysis Batch: 126761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48922-1	Field Blank	Total/NA	Ground Water	353.2	
660-48922-2	MW-11	Total/NA	Ground Water	353.2	
660-48922-2 MS	MW-11	Total/NA	Ground Water	353.2	
660-48922-2 MSD	MW-11	Total/NA	Ground Water	353.2	
660-48922-3	MW-17	Total/NA	Ground Water	353.2	
660-48922-4	MW-15	Total/NA	Ground Water	353.2	
660-48922-5	MW-12	Total/NA	Ground Water	353.2	
660-48922-6	MW-13	Total/NA	Ground Water	353.2	
660-48922-7	MW-14	Total/NA	Ground Water	353.2	
LCS 660-126761/13	Lab Control Sample	Total/NA	Water	353.2	
MB 660-126761/37	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 126841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48949-1 - DL	MW-6	Total/NA	Ground Water	353.2	
660-48955-C-1 MS	Matrix Spike	Total/NA	Water	353.2	
660-48955-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	353.2	
660-48957-C-1 MS	Matrix Spike	Total/NA	Water	353.2	
660-48957-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	353.2	
660-48963-1	MW-7	Total/NA	Water	353.2	
660-48963-2	MW-20	Total/NA	Water	353.2	
LCS 660-126841/13	Lab Control Sample	Total/NA	Water	353.2	
LCS 660-126841/8	Lab Control Sample	Total/NA	Water	353.2	
MB 660-126841/12	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 126864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48974-1 - DL	MW-3	Total/NA	Ground Water	353.2	
660-48974-2	MW-21	Total/NA	Ground Water	353.2	
660-48974-2 MS	MW-21	Total/NA	Ground Water	353.2	
660-48974-2 MSD	MW-21	Total/NA	Ground Water	353.2	
660-48974-3	MW-10	Total/NA	Ground Water	353.2	
LCS 660-126864/13	Lab Control Sample	Total/NA	Water	353.2	
MB 660-126864/12	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 126946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-39521-B-2 DU	Duplicate	Total/NA	Water	SM 2540C	
660-48922-1	Field Blank	Total/NA	Ground Water	SM 2540C	
660-48922-2	MW-11	Total/NA	Ground Water	SM 2540C	
660-48922-3	MW-17	Total/NA	Ground Water	SM 2540C	
660-48922-4	MW-15	Total/NA	Ground Water	SM 2540C	
660-48922-5	MW-12	Total/NA	Ground Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 126946 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48922-6	MW-13	Total/NA	Ground Water	SM 2540C	
660-48922-7	MW-14	Total/NA	Ground Water	SM 2540C	
LCS 660-126946/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-126946/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 127000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-39551-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	
660-48949-1	MW-6	Total/NA	Ground Water	SM 2540C	
660-48963-1	MW-7	Total/NA	Water	SM 2540C	
660-48963-2	MW-20	Total/NA	Water	SM 2540C	
660-48963-2 DU	MW-20	Total/NA	Water	SM 2540C	
660-48974-3	MW-10	Total/NA	Ground Water	SM 2540C	
LCS 660-127000/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-127000/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 127025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48922-1	Field Blank	Total/NA	Ground Water	350.1	
660-48922-2	MW-11	Total/NA	Ground Water	350.1	
660-48922-2 MS	MW-11	Total/NA	Ground Water	350.1	
660-48922-2 MSD	MW-11	Total/NA	Ground Water	350.1	
660-48922-3	MW-17	Total/NA	Ground Water	350.1	
660-48922-4	MW-15	Total/NA	Ground Water	350.1	
660-48922-5	MW-12	Total/NA	Ground Water	350.1	
660-48922-6	MW-13	Total/NA	Ground Water	350.1	
660-48922-7	MW-14	Total/NA	Ground Water	350.1	
660-48922-7 MS	MW-14	Total/NA	Ground Water	350.1	
660-48922-7 MSD	MW-14	Total/NA	Ground Water	350.1	
660-48949-1	MW-6	Total/NA	Ground Water	350.1	
660-48963-1	MW-7	Total/NA	Water	350.1	
660-48963-2	MW-20	Total/NA	Water	350.1	
660-48974-1	MW-3	Total/NA	Ground Water	350.1	
660-48974-2	MW-21	Total/NA	Ground Water	350.1	
660-48974-3	MW-10	Total/NA	Ground Water	350.1	
LCS 660-127025/4	Lab Control Sample	Total/NA	Water	350.1	
MB 660-127025/3	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 127054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-39551-A-2 DU	Duplicate	Total/NA	Water	SM 2540C	
660-48974-1	MW-3	Total/NA	Ground Water	SM 2540C	
660-48974-2	MW-21	Total/NA	Ground Water	SM 2540C	
LCS 660-127054/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-127054/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 127099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48922-1	Field Blank	Total/NA	Ground Water	300.0	
660-48922-2	MW-11	Total/NA	Ground Water	300.0	
660-48922-2 MS	MW-11	Total/NA	Ground Water	300.0	
660-48922-2 MSD	MW-11	Total/NA	Ground Water	300.0	

General Chemistry (Continued)

Analysis Batch: 127099 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48922-3	MW-17	Total/NA	Ground Water	300.0	
660-48922-4	MW-15	Total/NA	Ground Water	300.0	
660-48922-5	MW-12	Total/NA	Ground Water	300.0	
660-48922-6	MW-13	Total/NA	Ground Water	300.0	
660-48922-7	MW-14	Total/NA	Ground Water	300.0	
660-48922-7 MS	MW-14	Total/NA	Ground Water	300.0	
660-48922-7 MSD	MW-14	Total/NA	Ground Water	300.0	
660-48949-1	MW-6	Total/NA	Ground Water	300.0	
LCS 660-127099/5	Lab Control Sample	Total/NA	Water	300.0	
MB 660-127099/4	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 127122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48963-1	MW-7	Total/NA	Water	300.0	
660-48963-1 MS	MW-7	Total/NA	Water	300.0	
660-48963-1 MSD	MW-7	Total/NA	Water	300.0	
660-48963-2	MW-20	Total/NA	Water	300.0	
660-48974-1	MW-3	Total/NA	Ground Water	300.0	
660-48974-1 MS	MW-3	Total/NA	Ground Water	300.0	
660-48974-1 MSD	MW-3	Total/NA	Ground Water	300.0	
660-48974-2	MW-21	Total/NA	Ground Water	300.0	
660-48974-3	MW-10	Total/NA	Ground Water	300.0	
LCS 660-127122/14	Lab Control Sample	Total/NA	Water	300.0	
MB 660-127122/13	Method Blank	Total/NA	Water	300.0	

Biology

Analysis Batch: 127022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48949-1	MW-6	Total/NA	Ground Water	SM 9222D	
660-48949-1 DU	MW-6	Total/NA	Ground Water	SM 9222D	
MB 660-127022/1	Method Blank	Total/NA	Water	SM 9222D	

Field Service / Mobile Lab

Analysis Batch: 126888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48922-5	MW-12	Total/NA	Ground Water	Field Sampling	
660-48922-6	MW-13	Total/NA	Ground Water	Field Sampling	
660-48922-7	MW-14	Total/NA	Ground Water	Field Sampling	
660-48949-1	MW-6	Total/NA	Ground Water	Field Sampling	
660-48963-2	MW-20	Total/NA	Water	Field Sampling	
660-48974-1	MW-3	Total/NA	Ground Water	Field Sampling	
660-48974-5	MW-19	Total/NA	Ground Water	Field Sampling	

Analysis Batch: 127159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48922-2	MW-11	Total/NA	Ground Water	Field Sampling	
660-48922-3	MW-17	Total/NA	Ground Water	Field Sampling	
660-48922-4	MW-15	Total/NA	Ground Water	Field Sampling	
660-48963-1	MW-7	Total/NA	Water	Field Sampling	
660-48974-2	MW-21	Total/NA	Ground Water	Field Sampling	

Field Service / Mobile Lab (Continued)

Analysis Batch: 127159 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-48974-3	MW-10	Total/NA	Ground Water	Field Sampling	
660-48974-4	MW-18	Total/NA	Ground Water	Field Sampling	

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: Field Blank

Lab Sample ID: 660-48922-1

Date Collected: 07/17/12 10:07

Matrix: Ground Water

Date Received: 07/17/12 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126907	07/20/12 12:48	EC	TAL TAM
Total/NA	Prep	8011			94426	07/24/12 10:15	JPB	TAL TAL
Total/NA	Analysis	8011		1	94454	07/24/12 21:04	JPB	TAL TAL
Total/NA	Prep	7470A			243844	07/19/12 14:53	UU	TAL SAV
Total/NA	Analysis	7470A		1	244136	07/20/12 14:13	RAM	TAL SAV
Total Recoverable	Prep	3005A			243876	07/20/12 06:22	VHB	TAL SAV
Total Recoverable	Analysis	6020		1	244183	07/22/12 14:20	BR	TAL SAV
Total/NA	Analysis	353.2		1	126761	07/18/12 14:48	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	126946	07/24/12 11:16	TO	TAL TAM
Total/NA	Analysis	350.1		1	127025	07/25/12 20:20	TO	TAL TAM
Total/NA	Analysis	300.0		1	127099	07/26/12 15:49	KW	TAL TAM

Client Sample ID: MW-11

Lab Sample ID: 660-48922-2

Date Collected: 07/17/12 11:05

Matrix: Ground Water

Date Received: 07/17/12 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126907	07/20/12 10:03	EC	TAL TAM
Total/NA	Prep	8011			94426	07/24/12 10:15	JPB	TAL TAL
Total/NA	Analysis	8011		1	94454	07/24/12 21:19	JPB	TAL TAL
Total/NA	Prep	7470A			243844	07/19/12 14:53	UU	TAL SAV
Total/NA	Analysis	7470A		1	244136	07/20/12 14:16	RAM	TAL SAV
Total Recoverable	Prep	3005A			243876	07/20/12 06:22	VHB	TAL SAV
Total Recoverable	Analysis	6020		1	244183	07/22/12 14:26	BR	TAL SAV
Total/NA	Analysis	353.2		1	126761	07/18/12 14:45	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	126946	07/24/12 11:16	TO	TAL TAM
Total/NA	Analysis	350.1		1	127025	07/25/12 20:17	TO	TAL TAM
Total/NA	Analysis	300.0		1	127099	07/26/12 13:15	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	127159	07/17/12 11:05		TAL TAM

Client Sample ID: MW-17

Lab Sample ID: 660-48922-3

Date Collected: 07/17/12 12:17

Matrix: Ground Water

Date Received: 07/17/12 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126907	07/20/12 10:26	EC	TAL TAM
Total/NA	Prep	8011			94426	07/24/12 10:15	JPB	TAL TAL
Total/NA	Analysis	8011		1	94454	07/24/12 21:33	JPB	TAL TAL
Total/NA	Prep	7470A			243844	07/19/12 14:53	UU	TAL SAV
Total/NA	Analysis	7470A		1	244136	07/20/12 14:26	RAM	TAL SAV
Total Recoverable	Prep	3005A			243876	07/20/12 06:22	VHB	TAL SAV
Total Recoverable	Analysis	6020		1	244183	07/22/12 14:33	BR	TAL SAV
Total/NA	Analysis	353.2		1	126761	07/18/12 14:49	KW	TAL TAM

Client Sample ID: MW-17

Lab Sample ID: 660-48922-3

Date Collected: 07/17/12 12:17

Matrix: Ground Water

Date Received: 07/17/12 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	126946	07/24/12 11:16	TO	TAL TAM
Total/NA	Analysis	350.1		1	127025	07/25/12 20:22	TO	TAL TAM
Total/NA	Analysis	300.0		1	127099	07/26/12 14:01	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	127159	07/17/12 12:17		TAL TAM

Client Sample ID: MW-15

Lab Sample ID: 660-48922-4

Date Collected: 07/17/12 15:23

Matrix: Ground Water

Date Received: 07/17/12 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126907	07/20/12 13:10	EC	TAL TAM
Total/NA	Prep	8011			94426	07/24/12 10:15	JPB	TAL TAL
Total/NA	Analysis	8011		1	94454	07/24/12 21:48	JPB	TAL TAL
Total/NA	Prep	7470A			243844	07/19/12 14:53	UU	TAL SAV
Total/NA	Analysis	7470A		1	244136	07/20/12 14:30	RAM	TAL SAV
Total Recoverable	Prep	3005A			243876	07/20/12 06:22	VHB	TAL SAV
Total Recoverable	Analysis	6020		1	244183	07/22/12 14:40	BR	TAL SAV
Total/NA	Analysis	353.2		1	126761	07/18/12 14:51	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	126946	07/24/12 11:16	TO	TAL TAM
Total/NA	Analysis	350.1		1	127025	07/25/12 20:23	TO	TAL TAM
Total/NA	Analysis	300.0		1	127099	07/26/12 14:16	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	127159	07/17/12 15:23		TAL TAM

Client Sample ID: MW-12

Lab Sample ID: 660-48922-5

Date Collected: 07/17/12 11:11

Matrix: Ground Water

Date Received: 07/17/12 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126907	07/20/12 13:33	EC	TAL TAM
Total/NA	Prep	8011			94426	07/24/12 10:15	JPB	TAL TAL
Total/NA	Analysis	8011		1	94454	07/24/12 22:03	JPB	TAL TAL
Total/NA	Prep	7470A			243844	07/19/12 14:53	UU	TAL SAV
Total/NA	Analysis	7470A		1	244136	07/20/12 14:33	RAM	TAL SAV
Dissolved	Prep	7470A			243844	07/19/12 14:53	UU	TAL SAV
Dissolved	Analysis	7470A		1	244136	07/20/12 14:36	RAM	TAL SAV
Total Recoverable	Prep	3005A			243876	07/20/12 06:22	VHB	TAL SAV
Total Recoverable	Analysis	6020		1	244183	07/22/12 14:47	BR	TAL SAV
Dissolved	Prep	3005A			243876	07/20/12 06:22	VHB	TAL SAV
Dissolved	Analysis	6020		1	244183	07/22/12 14:53	BR	TAL SAV
Total/NA	Analysis	353.2		1	126761	07/18/12 14:52	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	126946	07/24/12 11:16	TO	TAL TAM
Total/NA	Analysis	350.1		1	127025	07/25/12 20:24	TO	TAL TAM
Total/NA	Analysis	300.0		1	127099	07/26/12 14:32	KW	TAL TAM

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-12

Lab Sample ID: 660-48922-5

Date Collected: 07/17/12 11:11

Matrix: Ground Water

Date Received: 07/17/12 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1	126888	07/17/12 11:11		TAL TAM

Client Sample ID: MW-13

Lab Sample ID: 660-48922-6

Date Collected: 07/17/12 12:25

Matrix: Ground Water

Date Received: 07/17/12 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126907	07/20/12 13:55	EC	TAL TAM
Total/NA	Prep	8011			94426	07/24/12 10:15	JPB	TAL TAL
Total/NA	Analysis	8011		1	94454	07/24/12 22:17	JPB	TAL TAL
Total/NA	Prep	7470A			243844	07/19/12 14:53	UU	TAL SAV
Total/NA	Analysis	7470A		1	244136	07/20/12 14:39	RAM	TAL SAV
Total Recoverable	Prep	3005A			243876	07/20/12 06:22	VHB	TAL SAV
Total Recoverable	Analysis	6020		1	244183	07/22/12 15:00	BR	TAL SAV
Total/NA	Analysis	353.2		1	126761	07/18/12 14:53	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	126946	07/24/12 11:16	TO	TAL TAM
Total/NA	Analysis	350.1		1	127025	07/25/12 20:25	TO	TAL TAM
Total/NA	Analysis	300.0		1	127099	07/26/12 14:47	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	126888	07/17/12 12:25		TAL TAM

Client Sample ID: MW-14

Lab Sample ID: 660-48922-7

Date Collected: 07/17/12 15:17

Matrix: Ground Water

Date Received: 07/17/12 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126907	07/20/12 14:18	EC	TAL TAM
Total/NA	Prep	8011			94426	07/24/12 10:15	JPB	TAL TAL
Total/NA	Analysis	8011		1	94454	07/24/12 22:32	JPB	TAL TAL
Total/NA	Prep	7470A			243844	07/19/12 14:53	UU	TAL SAV
Total/NA	Analysis	7470A		1	244136	07/20/12 14:43	RAM	TAL SAV
Total Recoverable	Prep	3005A			243876	07/20/12 06:22	VHB	TAL SAV
Total Recoverable	Analysis	6020		1	244183	07/22/12 15:07	BR	TAL SAV
Total/NA	Analysis	353.2		1	126761	07/18/12 14:54	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	126946	07/24/12 11:16	TO	TAL TAM
Total/NA	Analysis	350.1		1	127025	07/25/12 20:36	TO	TAL TAM
Total/NA	Analysis	300.0		1	127099	07/26/12 12:28	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	126888	07/17/12 15:17		TAL TAM

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: Trip Blank Assessment

Lab Sample ID: 660-48922-8

Date Collected: 07/17/12 00:00
Matrix: Ground Water
Date Received: 07/17/12 17:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126907	07/20/12 14:40	EC	TAL TAM

Client Sample ID: MW-6

Lab Sample ID: 660-48949-1

Date Collected: 07/18/12 15:08
Matrix: Ground Water
Date Received: 07/18/12 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126907	07/20/12 15:03	EC	TAL TAM
Total/NA	Prep	8011			94426	07/24/12 10:15	JPB	TAL TAL
Total/NA	Analysis	8011		1	94454	07/24/12 22:47	JPB	TAL TAL
Total Recoverable	Prep	3005A			244171	07/23/12 15:08	VHB	TAL SAV
Total Recoverable	Analysis	6020		1	244418	07/24/12 22:30	BR	TAL SAV
Total/NA	Prep	7470A			244288	07/24/12 14:35	UU	TAL SAV
Total/NA	Analysis	7470A		1	244836	07/26/12 21:00	BCB	TAL SAV
Total/NA	Analysis	353.2	DL	2	126841	07/19/12 14:49	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	127000	07/25/12 12:55	TO	TAL TAM
Total/NA	Analysis	350.1		1	127025	07/25/12 20:30	TO	TAL TAM
Total/NA	Analysis	300.0		10	127099	07/26/12 11:27	KW	TAL TAM
Total/NA	Analysis	SM 9222D		2	127022		TO	TAL TAM
						(Start) 07/18/12 18:15		
						(End) 07/19/12 16:40		
Total/NA	Analysis	Field Sampling		1	126888	07/18/12 15:08		TAL TAM

Client Sample ID: MW-7

Lab Sample ID: 660-48963-1

Date Collected: 07/18/12 09:47
Matrix: Water
Date Received: 07/18/12 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126907	07/20/12 15:25	EC	TAL TAM
Total/NA	Prep	8011			94426	07/24/12 10:15	JPB	TAL TAL
Total/NA	Analysis	8011		1	94454	07/24/12 23:16	JPB	TAL TAL
Total Recoverable	Prep	3005A			244171	07/23/12 15:08	VHB	TAL SAV
Total Recoverable	Analysis	6020		1	244418	07/24/12 22:56	BR	TAL SAV
Total/NA	Prep	7470A			244288	07/24/12 14:35	UU	TAL SAV
Total/NA	Analysis	7470A		1	244836	07/26/12 20:31	BCB	TAL SAV
Total/NA	Analysis	353.2		1	126841	07/19/12 14:40	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	127000	07/25/12 12:55	TO	TAL TAM
Total/NA	Analysis	350.1		1	127025	07/25/12 20:40	TO	TAL TAM
Total/NA	Analysis	300.0		1	127122	07/27/12 12:09	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	127159	07/18/12 09:47		TAL TAM

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-20

Lab Sample ID: 660-48963-2

Date Collected: 07/18/12 10:12

Matrix: Water

Date Received: 07/18/12 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126907	07/20/12 15:48	EC	TAL TAM
Total/NA	Prep	8011			94426	07/24/12 10:15	JPB	TAL TAL
Total/NA	Analysis	8011		1	94454	07/24/12 23:31	JPB	TAL TAL
Total Recoverable	Prep	3005A			244171	07/23/12 15:08	VHB	TAL SAV
Total Recoverable	Analysis	6020		1	244418	07/24/12 23:01	BR	TAL SAV
Total/NA	Prep	7470A			244288	07/24/12 14:35	UU	TAL SAV
Total/NA	Analysis	7470A		1	244836	07/26/12 20:34	BCB	TAL SAV
Total/NA	Analysis	353.2		1	126841	07/19/12 14:41	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	127000	07/25/12 12:55	TO	TAL TAM
Total/NA	Analysis	350.1		1	127025	07/25/12 20:41	TO	TAL TAM
Total/NA	Analysis	300.0		1	127122	07/27/12 12:56	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	126888	07/18/12 10:12		TAL TAM

Client Sample ID: Trip Blank

Lab Sample ID: 660-48963-3

Date Collected: 07/18/12 00:00

Matrix: Water

Date Received: 07/18/12 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126907	07/20/12 16:10	EC	TAL TAM

Client Sample ID: MW-3

Lab Sample ID: 660-48974-1

Date Collected: 07/19/12 08:59

Matrix: Ground Water

Date Received: 07/19/12 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126988	07/24/12 13:27	EC	TAL TAM
Total/NA	Prep	8011			94426	07/24/12 10:15	JPB	TAL TAL
Total/NA	Analysis	8011		1	94454	07/24/12 23:45	JPB	TAL TAL
Total Recoverable	Prep	3005A			244171	07/23/12 15:08	VHB	TAL SAV
Total Recoverable	Analysis	6020		1	244418	07/24/12 23:06	BR	TAL SAV
Total/NA	Prep	7470A			244288	07/24/12 14:35	UU	TAL SAV
Total/NA	Analysis	7470A		1	244836	07/26/12 20:37	BCB	TAL SAV
Total/NA	Analysis	353.2	DL	5	126864	07/20/12 15:46	KW	TAL TAM
Total/NA	Analysis	350.1		1	127025	07/25/12 20:42	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	127054	07/26/12 11:29	TO	TAL TAM
Total/NA	Analysis	300.0		1	127122	07/27/12 15:45	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	126888	07/19/12 08:59		TAL TAM

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-21

Date Collected: 07/19/12 10:53
Date Received: 07/19/12 13:45

Lab Sample ID: 660-48974-2
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126988	07/24/12 13:50	EC	TAL TAM
Total/NA	Prep	8011			94426	07/24/12 10:15	JPB	TAL TAL
Total/NA	Analysis	8011		1	94454	07/25/12 00:00	JPB	TAL TAL
Total Recoverable	Prep	3005A			244068	07/23/12 07:51	VHB	TAL SAV
Total Recoverable	Analysis	6020		1	244418	07/25/12 05:25	BR	TAL SAV
Dissolved	Prep	3005A			244171	07/23/12 15:08	VHB	TAL SAV
Dissolved	Analysis	6020		1	244418	07/24/12 23:22	BR	TAL SAV
Total/NA	Prep	7470A			244288	07/24/12 14:35	UU	TAL SAV
Total/NA	Analysis	7470A		1	244836	07/26/12 20:47	BCB	TAL SAV
Dissolved	Prep	7470A			244288	07/24/12 14:35	UU	TAL SAV
Dissolved	Analysis	7470A		1	244836	07/26/12 20:51	BCB	TAL SAV
Total/NA	Analysis	353.2		1	126864	07/20/12 15:42	KW	TAL TAM
Total/NA	Analysis	350.1		1	127025	07/25/12 20:43	TO	TAL TAM
Total/NA	Analysis	SM 2540C		1	127054	07/26/12 11:29	TO	TAL TAM
Total/NA	Analysis	300.0		1	127122	07/27/12 18:04	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	127159	07/19/12 10:53		TAL TAM

Client Sample ID: MW-10

Date Collected: 07/18/12 16:30
Date Received: 07/19/12 13:45

Lab Sample ID: 660-48974-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126988	07/24/12 14:12	EC	TAL TAM
Total/NA	Prep	8011			94426	07/24/12 10:15	JPB	TAL TAL
Total/NA	Analysis	8011		1	94454	07/25/12 00:15	JPB	TAL TAL
Total Recoverable	Prep	3005A			244068	07/23/12 07:51	VHB	TAL SAV
Total Recoverable	Analysis	6020		1	244418	07/25/12 05:30	BR	TAL SAV
Dissolved	Prep	3005A			244171	07/23/12 15:08	VHB	TAL SAV
Dissolved	Analysis	6020		1	244418	07/24/12 23:27	BR	TAL SAV
Total/NA	Prep	7470A			244288	07/24/12 14:35	UU	TAL SAV
Total/NA	Analysis	7470A		1	244836	07/26/12 20:54	BCB	TAL SAV
Dissolved	Prep	7470A			244288	07/24/12 14:35	UU	TAL SAV
Dissolved	Analysis	7470A		1	244836	07/26/12 20:57	BCB	TAL SAV
Total/NA	Analysis	353.2		1	126864	07/20/12 15:37	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	127000	07/25/12 12:55	TO	TAL TAM
Total/NA	Analysis	350.1		1	127025	07/25/12 20:44	TO	TAL TAM
Total/NA	Analysis	300.0		1	127122	07/27/12 18:19	KW	TAL TAM
Total/NA	Analysis	Field Sampling		1	127159	07/18/12 16:30		TAL TAM

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Client Sample ID: MW-18

Lab Sample ID: 660-48974-4

Date Collected: 07/17/12 17:02

Matrix: Ground Water

Date Received: 07/19/12 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126904	07/20/12 20:56	RM	TAL TAM
Total/NA	Analysis	Field Sampling		1	127159	07/17/12 17:02		TAL TAM

Client Sample ID: MW-19

Lab Sample ID: 660-48974-5

Date Collected: 07/19/12 11:10

Matrix: Ground Water

Date Received: 07/19/12 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126904	07/20/12 21:13	RM	TAL TAM
Total/NA	Analysis	Field Sampling		1	126888	07/19/12 11:10		TAL TAM

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAL = TestAmerica Tallahassee, 2846 Industrial Plaza Drive, Tallahassee, FL 32301, TEL (850)878-3994

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Method Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	TAL TAL
6020	Metals (ICP/MS)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV
300.0	Chloride	40CFR136A	TAL TAM
300.0	Anions, Ion Chromatography	MCAWW	TAL TAM
350.1	Nitrogen, Ammonia	MCAWW	TAL TAM
353.2	Nitrate	MCAWW	TAL TAM
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL TAM
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL TAM
SM 9222D	Coliforms, Fecal (Membrane Filter)	SM	TAL TAM
Field Sampling	Field Sampling	EPA	TAL TAM

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
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.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858
TAL TAL = TestAmerica Tallahassee, 2846 Industrial Plaza Drive, Tallahassee, FL 32301, TEL (850)878-3994
TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Laboratory: TestAmerica Tampa

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40610	06-30-13
Florida	NELAC	4	E84282	06-30-13
Georgia	State Program	4	905	07-31-12
USDA	Federal		P330-11-00177	04-20-14

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		0399-01	02-28-13
A2LA	ISO/IEC 17025		399.01	02-28-13
Alabama	State Program	4	41450	08-15-12
Alaska (UST)	State Program	10	UST-104	06-19-13
Arkansas DEQ	State Program	6	88-0692	02-01-13
California	NELAC	9	3217CA	07-31-13
Colorado	State Program	8	N/A	12-31-12
Connecticut	State Program	1	PH-0161	03-31-13
Florida	NELAC	4	E87052	06-30-13
GA Dept. of Agriculture	State Program	4	N/A	12-31-12
Georgia	State Program	4	N/A	06-30-13
Georgia	State Program	4	803	06-30-12
Guam	State Program	9	09-005r	04-17-12
Hawaii	State Program	9	N/A	06-30-13
Illinois	NELAC	5	200022	11-30-12
Indiana	State Program	5	N/A	06-30-12
Iowa	State Program	7	353	07-01-13
Kentucky	State Program	4	90084	12-31-12
Kentucky (UST)	State Program	4	18	02-28-13
Louisiana	NELAC	6	30690	06-30-13
Louisiana	NELAC	6	LA100015	12-31-12
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-12
Massachusetts	State Program	1	M-GA006	06-30-13
Michigan	State Program	5	9925	06-30-12
Mississippi	State Program	4	N/A	06-30-13
Montana	State Program	8	CERT0081	12-31-12
Nebraska	State Program	7	TestAmerica-Savannah	06-30-13
New Jersey	NELAC	2	GA769	06-30-13
New Mexico	State Program	6	N/A	06-30-13
New York	NELAC	2	10842	04-01-13
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-13
Oklahoma	State Program	6	9984	08-31-12
Pennsylvania	NELAC	3	68-00474	06-30-13
Puerto Rico	State Program	2	GA00006	01-01-13
Rhode Island	State Program	1	LAO00244	12-30-12
South Carolina	State Program	4	98001	06-30-12
Tennessee	State Program	4	TN02961	06-30-13
Texas	NELAC	6	T104704185-08-TX	11-30-12
USDA	Federal		SAV 3-04	04-07-14
Vermont	State Program	1	87052	11-16-12
Virginia	NELAC	3	460161	06-14-13
Washington	State Program	10	C1794	06-10-13

Certification Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County Landfill

TestAmerica Job ID: 660-48922-1

Laboratory: TestAmerica Savannah (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
West Virginia	State Program	3	9950C	12-31-12
West Virginia DEP	State Program	3	94	06-30-13
Wisconsin	State Program	5	999819810	08-31-12
Wyoming	State Program	8	8TMS-Q	06-30-12

Laboratory: TestAmerica Tallahassee

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Florida	NELAC	4	E81005	06-30-13
Louisiana	NELAC	6	30663	06-30-13
New Jersey	NELAC	2	FL012	06-30-13
Oklahoma	State Program	6	9986	08-31-12
Texas	NELAC	6	T104704459-11-2	03-31-13
USDA	Federal		P330-08-00158	08-05-14

TestAmerica Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Shawn Victory/Jason Fink	Lab PM: Beato, Judith	Carrier Tracking No(s):	COC No: 660-33699.1
Client Contact: Mr. Aamod Sonawane	Phone: 407-399-3348	E-Mail: judith.beato@testamericainc.com		Page: Page 1 of 1
Company: Camp Dresser & McKee Inc				Job #: 660-48982
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: SonawaneAS@cdm.com	WO #: 71138-79196-Task 2			
Project Name: Background & compliance wells	Project #: 66002518			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastes/oil, BT=Tissue, A=Air)	350.1 - Ammonia (as N)	6020 - Appendix 1 Metals + Iron, and Na, 7470 Hg	8260B - 8260 Appendix I Compounds	300.0_28D Chloride, 353.2 Nitrate	2540C - Total Dissolved Solids	8011 - EDB, DBCP	6020 - Dissolved Appendix 1 Metals + Fe & Na, 7470 Diss Hg	Total Number of containers	Special Instructions/Note:
Field Blank	7-17-12	1007	G	Water	X	X	X	X	X	X			filter metals only if turb >5
MW-11		1105		Water	X	X	X	X	X	X			
MW-17		1217		Water	X	X	X	X	X	X			
MW-15		1323		Water	X	X	X	X	X	X			
MW-12		1111		Water	X	X	X	X	X	X			1 F. filter metals
MW-13		1225		Water	X	X	X	X	X	X			
MW-14		1514		Water	X	X	X	X	X	X			
				Water	X	X	X	X	X	X			
				Water	X	X	X	X	X	X			
				Water	X	X	X	X	X	X			
				Water	X	X	X	X	X	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:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	7-17-12 1000	TA Tampa		7/17/12 1000	TA Tampa
Relinquished by:	7/17/12 1725	TA Tampa	Received by: Emily Edwards	7/17/12 1725	TA Tampa
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 2.9, 3.2 °C IR-07

8/14/2012

TestAmerica Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

8/14/2012

Client Information	Sampler:	Lab PM: Beato, Judith	Carrier Tracking No(s):
Client Contact: Mr. Aamod Sonawane	Phone:	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 #:		
Email: SonawaneAS@cdm.com	WO #: 71138-79196-Task2		
Project Name: Intermediate Well MW-6	Project #: 66002518		
Site: Citrus County Landfill	SSOW#:		

COC No:	660-30112.1
Page:	Page 1 of 1
Job #:	660-48949

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 & Sodium, 7470 Hg	9222D - Coliform, Fecal	8260B - 8260 Appendix I Compounds	Nitrate, Chloride	2540C - Total Dissolved Solids	8011 - EDB, DBCP	6020 - Dissolved Appendix 1 Metals + Fe & Na, 7470 Diss Hg	Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X	S	D	N	N	N	N	N	D	X	
MW-6	7/18/12	1500	G	Water			X	X	X	X	X	X	X			run dissolved metals only if turbidity greater than 5

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: 7/18/12 1720	Company: TAT Tampa	Received by:	Date/Time: 7/18/12 1720	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 4.6° C CM07

TestAmerica Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

660-48963

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

8/14/2012

Client Information	Sampler: Shawn Vickery	Lab PM: Beato, Judith	Carrier Tracking No(s):
Client Contact: Mr. Aamod Sonawane	Phone: 407-399-3348	E-Mail: judith.beato@testamericainc.com	COC No: 660-33699.1
Company: Camp Dresser & McKee Inc			Page: Page 1 of 1
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: SonawaneAS@cdm.com	WO #: 71138-79196-Task 2		
Project Name: Background & compliance wells	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, and Na, 7470 Hg	8260B - 8260 Appendix I Compounds	300.0_28D Chloride, 353.2 Nitrate	2540C - Total Dissolved Solids	8011 - EDB, DBCP	6020 - Dissolved Appendix 1 Metals + Fe & Na, 7470 Diss Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	S - H2SO4	D	N	N	N	N	D		
MW-7	7-18-12	947	G	Water			X	X	X	X	X	X			filter metals only if turb >5
MW 22	"	1012	"	Water			X	X	X	X	X	X			
				Water			X	X	X	X	X	X			
				Water			X	X	X	X	X	X			
				Water			X	X	X	X	X	X			
				Water			X	X	X	X	X	X			
				Water			X	X	X	X	X	X			
				Water			X	X	X	X	X	X			
				Water			X	X	X	X	X	X			
				Water			X	X	X	X	X	X			
				Water			X	X	X	X	X	X			
				Water			X	X	X	X	X	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: 7-18-12 1617	Company TAL	Received by:		Date/Time: 7/18/12 1552	Company TAL Tampa	
Relinquished by:	Date/Time: 7/18/12 2120	Company TAL Tampa	Received by:		Date/Time: 7/19/12 1220	Company	
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company	
Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		2.5°C (U-07		

TestAmerica Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

660-48974

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

8/14/2012

Client Information	Sampler: Shawn Dietary	Lab PM: Beato, Judith	Carrier Tracking No(s):	COC No: 660-33699.1
Client Contact: Mr. Aamod Sonawane	Phone: 407-399-3348	E-Mail: judith.beato@testamericainc.com		Page: Page 1 of 1
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: SonawaneAS@cdm.com	WO #: 71136-79196-Task 2			
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, and Na, 7470 Hg	8260B - 8260 Appendix I Compounds	300.0_28D Chloride, 353.2 Nitrate	2540C - Total Dissolved Solids	8011 - EDB, DBCP	6020 - Dissolved Appendix 1 Metals + Fe & Na, 7470 Diss Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	D	N	N	N	N	D		
MW-3	7-19-12	0859	G	Water			X	X	X	X	X	X			filter metals only if turb >5
~~MW~~				Water			X	X	X	X	X	X			
MW-21	7-19-12	1053	G	Water			X	X	X	X	X	X	X		
MW-10	7/18/12	1630	G	Water			X	X	X	X	X	X	X		
				Water			X	X	X	X	X	X			
				Water			X	X	X	X	X	X			
				Water			X	X	X	X	X	X			
				Water			X	X	X	X	X	X			
				Water			X	X	X	X	X	X			
				Water			X	X	X	X	X	X			
				Water			X	X	X	X	X	X			

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: 7-19-12 1120	Company TAORC	Received by: Date/Time: 7/19/12 1120 Company TA-TPA
Relinquished by:	Date/Time: 7/19/12 1345	Company TA TPA	Received by: Date/Time: 7-19-12 1345 Company TA TPA
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: 4.2 CV-07

TestAmerica Orlando
8010 Sunport Drive Suite 116
Orlando, FL 32809
Phone (800) 851-2560 Fax (407) 856-0886

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

8/14/2012

Client Information	Sampler: Shawn Victory	Lab PM: Hornsby, Jess	Carrier Tracking No(s):	COC No: 660-41867-12681.1
Client Contact: Mr. Aamod Sonawane	Phone: 407-399-3348	E-Mail: jess.hornsby@testamericainc.com		Page: Page 1 of 1
Company: CDM Smith, 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: sonawaneas@cdmsmith.com	WO #: 71138-79196-TASK1			
Project Name: Citrus Co Assessment Wells MW-18 & 19	Project #: 66003335			
Site: Florida	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)	8260B - Benzene, Meth. Chloride, Vinyl Chloride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
MW-18	7-17-12	1702	G	Water			X		
MW-19	7/19/12	1110	G	Water			X		

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
1		7-18-12 1120	TAORL		7/19/12 1120	TA TPA
2		7/19/12 1345	TA TPA		7-19-12 1345	TA TPA
3	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: 4.2 CU-07

YSI 556 07910035
Hach 21009 010500029303

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: _____

Meters: ~~HACH 04100034256~~ / YSI 08H100611

SITE NAME: Cotton Creek Landfill	SITE LOCATION: Lecanto FL	
WELL NO:	SAMPLE ID: MW 3	DATE: 7/19/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 104 feet to 119 feet	STATIC DEPTH TO WATER (feet): 109.62	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)
= (119.0 feet – 109.62 (9.38) feet) X 1.6 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): 117	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 117	PURGING INITIATED AT: 0823	PURGING ENDED AT: 0859	TOTAL VOLUME PURGED (gallons): 1.80

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) uS/cm	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)		COLOR describe	ODOR
0823	1.50	1.50	.05	113.33	4.68	23.2	108	3.30	1.48		clear	no
0856	.15	1.65	.05	113.48	4.69	23.2	108	3.31	1.00		clear	no
0859	.15	1.80	.05	113.60	4.69	23.2	107	3.34	.94		clear	no

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./FL): 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
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Joseph Lee TA Tampa	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0908	SAMPLING ENDED AT: 0916
PUMP OR TUBING DEPTH IN WELL (feet): 117	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW3	6	PE	40 mL	COOL	0	4.69	8260/8011	BP	100
	pH 1	PE	1 LR	—		6	TDS		210
	1		250	HNO3		ND	200.7/6020		
	2		250/125	H2SO4		6	353.2/350.1		
	2		250	COOL		4.69	353.2/a		

REMARKS:
2 CBM 15 Recall 15 Discharge Water level measured 75° of Red clay

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

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); 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)

1/SF 556 6731 0035
Acon 2100 p 0105 0002 5303

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: _____

Meters: ~~HACH 04100034256~~ / YSI 08H100611

SITE NAME: Citrus County landfill		SITE LOCATION: Lecanto FL	
WELL NO:	SAMPLE ID: MW-6		DATE: 7/18/12

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	1/4"	112 feet to 122 feet	110.95	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)
= (124.20 feet – 110.95 (13.25) feet) X .16 gallons/foot = 2.20 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	1420	1508	3.360

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µS/cm	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)		COLOR describe	ODOR
1452	2.24	2.24	.07	113.62	3.98	24.8	782	.39	1.07		clear	no
1500	1.56	2.80	.07	113.62	4.00	24.7	783	.32	.75		clear	no
1508	.56	3.36	.07	113.48	3.99	24.7	782	.30	.60		clear	no

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
[illegible] TA Tampa	[signature]	1402	1526

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
118			

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-6	1	PE	250	H2SO4			350.1	BP	300
	1		250	HNO3			6020		
	1		130	cool			9222D		
	4	CG	40ml	cool			8260/8011		100
	1	PE	1 L	cool			TDS		300
	1		250/100	cool			nitrate/Cl		

REMARKS:
2 pm 15.0 cal. II 79 of cloudy

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

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); 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)

48963-1

TESTAMERICA ORLANDO FIELD SAMPLING LOG –
DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

PAGE: 1 of 1

Meter #'s: M-1 / T-3

SITE NAME: Citrus County Landfill | SITE LOCATION: 240 W. Gulf to Lake Hwy, Crystal River, FL

WELL NO: MW-7 | SAMPLE ID: MW-7 | DATE: 7-18-12

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 1/4 | WELL SCREEN INTERVAL DEPTH: 117 feet to 137 feet | STATIC DEPTH TO WATER (feet): 121.60 | PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) 17.416 = (139.06 feet – 121.60 feet) X .16 gallons/foot = 2.79 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: 907 | PURGING ENDED AT: 942 | TOTAL VOLUME PURGED (gallons): 4.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
930	2.79	2.79	.12	130.24	5.05	22.8	90	.24	1.51	clear	ND	—
936	.70	3.49	.12	132.70	4.98	23.2	83	.21	1.46	↓	↓	
942	.70	4.19	.12	134.90	4.94	23.7	80	.22	1.40			

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
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shaun Victory / Test America | SAMPLER(S) SIGNATURE(S): | SAMPLING INITIATED AT: 942 | SAMPLING ENDED AT: 947

PUMP OR TUBING DEPTH IN WELL (feet): 138 | TUBING MATERIAL CODE: PE | FIELD-FILTERED: Y (N) Filtration Equipment Type: | FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-7	1	PE	1000	UNP	Ø	5.0	TDS	BP	480
	2		250	UNP	Ø	5.0	353.2/300.0(28)		
	2		125/250	H2SO4	Ø	<2	350.1/353.2		
	1		250	HNO3	Ø	<2	7470A/6020		
	3	CG	40	UNP	—	—	8011		<150
	3	CG	40	UNP	—	—	8260B		<150

REMARKS: purged @ 2 cpm 5/15 50 psi

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

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); 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)

Revision Date: February 12, 2009

48974-3

TESTAMERICA ORLANDO FIELD SAMPLING LOG –
DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

PAGE: 1 of 1

Meter #'s: M-1 / T-3

SITE NAME: Citrus County Landfill	SITE LOCATION: 240 W. Gulf to Lake Hwy.		
WELL NO: MW-10	SAMPLE ID: MW-10	DATE: 7-18-12	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 100.5 feet to 120.5 feet	STATIC DEPTH TO WATER (feet): 105.38	PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) 15.12 = (120.50 feet – 105.38 feet) X .16 gallons/foot = 2.42 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): 118.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 118.50	PURGING INITIATED AT: 1421	PURGING ENDED AT: 1610	TOTAL VOLUME PURGED (gallons): 5.8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/l or % saturation	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
1510	2.42	2.42	.05	106.50	4.48	24.0	50	.41	77.6	cloudy	NO	—
1522	.60	3.02	.05	106.50	4.51	24.0	50	.32	70.3			—
1534	.60	3.62	.05	106.50	4.49	23.9	50	.27	57.0			—
1546	.60	4.22	.05	106.50	4.47	23.8	50	.26	43.0			—
1558	.60	4.82	.05	106.50	4.49	23.8	50	.28	40.2			—
1610	.60	5.42	.05	106.50	4.47	23.7	51	.31	38.7			—
				Turbidity after filtration —					3.04			

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
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shawn Victory / Test America	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1610	SAMPLING ENDED AT: 1630
PUMP OR TUBING DEPTH IN WELL (feet): 118.50	TUBING MATERIAL CODE: PE	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 1.0 µm Disposable
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-10	1	PE	1000	UNP	0	4.5	TDS	BP	200
	2		250	UNP	0	4.5	353.2/300.0 28D		
	2		125/250	H_2SO_4	0	<2	350.1/353.2		
	2		250	HNO_3	0	<2	7470A/6020		
	3	CG	40	UNP	—	—	8011		<150
	3	CG	40	UNP	—	—	8260B		<150

REMARKS: purged @ 2 gpm 16/13 45 pvl

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

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); 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)

Revision Date: February 12, 2009

48922-2

TESTAMERICA ORLANDO FIELD SAMPLING LOG –
DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

Meter #'s: M-1 / T-3 PAGE: 1 of 1

PROJECT NO: Citrus County Landfill SITE LOCATION: 240 W. Gulf to Lake Hwy, Lecanto, FL

WELL NO: MW-11 SAMPLE ID: MW-11 DATE: 7-17-12

PURGING DATA

WELL DIAMETER (inches): 2 TUBING DIAMETER (inches): 1/4 WELL SCREEN INTERVAL DEPTH: 92 feet to 112 feet STATIC DEPTH TO WATER (feet): 97.62 PURGE PUMP TYPE OR BAILER: BP

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

14.38 = (112.0 feet – 97.62 feet) X .16 gallons/foot = 2.30 gallons

1 EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (circle 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: 1032 PURGING ENDED AT: 1100 TOTAL VOLUME PURGED (gallons): 4.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) ~~mg/L~~ or % saturation	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
1048	2.30	2.30	.14	97.65	6.73	23.4	383	1.02	2.71	clear	NO	—
1052	.58	2.88	.14	97.65	6.74	23.4	383	.75	1.52	"	"	—
1056	.58	3.46	.14	97.65	6.75	23.3	383	.45	1.26	"	"	
1100	.58	4.04	.14	97.65	6.75	23.3	383	.41	.66			

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shawn Victory / TestAmerica SAMPLER(S) SIGNATURE(S): SAMPLING INITIATED AT: 1100 SAMPLING ENDED AT: 1105

PUMP OR TUBING DEPTH IN WELL (feet): 109 TUBING MATERIAL CODE: PE FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW11	1	PE	1000	UNP	Ø	6.7	TDS	BP	560
	2	PE	250	UNP	Ø	6.7	353.2/300.2D		
	2	PE	125/250	H2SO4	Ø	<2	350.1/353.2		
	1	PE	250	HNO3	Ø	<2	7470A/6020		
	3	CG	40	UNP	Ø	—	8011		<150
	3	CG	40	UNP	Ø	—	8260B		<150

REMARKS:

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

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); 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)

Revision Date: February 12, 2009

YSI 556 OG100135 TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
Hach 2100P 0105000293C3 DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: _____

Meters: ~~HACH 04100034256 / YSI 08H100619~~

SITE NAME: Citrus Cnty landfill	SITE LOCATION: Lecanto FL		
WELL NO:	SAMPLE ID: mw-12	DATE: 7/11/12	

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: 90 feet to 110 feet	STATIC DEPTH TO WATER (feet): 96.24	PURGE PUMP TYPE OR BAILER: BP

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)
= (110.0 feet - 96.24 (13.76) feet) X .16 gallons/foot = 2.20 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):
107	107	1007	1111	7.68

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µS/cm	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)		COLOR describe	ODOR
1024	2.28	2.28	.12	96.30	6.60	24.9	553	.48	8.43		clear	yes
1031	.60	2.88	.12	96.30	6.63	25.0	554	.48	10.7		clear	yes
1036	.60	3.48	.12	96.30	6.65	24.9	550	.43	23.7	cloudy	cloudy	yes
1041	.60	4.08	.12	96.30	6.68	24.7	548	.40	50.6		cloudy	yes
1051	1.20	5.28	.12	96.30	6.73	24.7	548	.36	25.0		cloudy	yes
1101	1.20	6.48	.12	96.30	6.72	24.5	544	.33	17.9		clear	yes
1106	.60	7.08	.12	96.30	6.76	24.6	545	.33	14.1		clear	yes
1111	.60	7.68	.12	96.30	6.76	24.6	544	.32	11.3		clear	yes

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Christine Hartlange	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0950	SAMPLING ENDED AT: 1176
PUMP OR TUBING DEPTH IN WELL (feet): 107	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: 1.0 µm
FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) Replaced		DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
mw12	6	CG	40ml	HCl		6.76	8260/8011	BP	100
	1	PE	1 HR	HCl			TDS		450
	1		250ml	H2SO4			7470/6020		
	2		250/125	H2SO4			353.2/350.1		
	2	4	250ml	HCl			353.2/CL		
	1		250ml	HNO3	Filtered		7470/6020		

REMARKS:
7/pm 14 16.14 50 PSI 1.8 Filtered 87.8 JNT Clay
1st discrete longer purge between regens due to turn.

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

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); 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)

YSI 3560 076 10035 TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
Hach 2100P 0105000293 03 DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: _____

Meters: ~~HACH 04100034256 / YSI 08H100611~~

SITE NAME: Citrus Cnty landfill	SITE LOCATION: Lecanto fl	
WELL NO:	SAMPLE ID: MW-13	DATE: 7/2/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: 20 feet to 125 feet	STATIC DEPTH TO WATER (feet): 105.19	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)
= (119.50 feet - 105.19 (14.31 feet) X .16 gallons/foot = 2.28 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: 1155	PURGING ENDED AT: 1225	TOTAL VOLUME PURGED (gallons): 3.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µS/cm	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)		COLOR describe	ODOR
1215	2.40	2.40	.12	105.62	5.34	24.0	84	.33	10.68		clear	yes
1220	.60	3.0	.12	105.62	5.30	24.0	82	.30	7.75		clear	yes
1225	.60	3.60	.12	105.62	5.29	23.9	~~82~~ 82	.26	4.77		clear	yes

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
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Josephine TA Tampa	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1145	SAMPLING ENDED AT: 1245
PUMP OR TUBING DEPTH IN WELL (feet): 117	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW13	6	CG	40mL	cool	0	5.29	8260/8021	BP	100
	1		1 L				TDS		400
	1		250mL	HNO3		pH	7470/6020		
	2		250/125	H2SO4			3532/350.1		
	2		40mL	cool		5.29	7470/6020		

REMARKS: 1/4 sec refill
2pm 1/4 sec discharge
Many DUP

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); 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)

YSI 556 07E10035
Hach 2100P 0105000293053

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: _____

Meters ~~HACH 04100034256 / YSI 08H100611~~

SITE NAME: Citrus County Landfill	SITE LOCATION: Lecanto FL	
WELL NO:	SAMPLE ID: MW 14	DATE: 7/17/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 96 feet to 115 feet	STATIC DEPTH TO WATER (feet): 101.40	PURGE PUMP TYPE OR BAILER: BP

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)
= (116.0 feet - 101.40 (14.60 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): 115.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 115.0	PURGING INITIATED AT: 1437	PURGING ENDED AT: 1517	TOTAL VOLUME PURGED (gallons): 4.80

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) ~~S/cm~~	DISSOLVED OXYGEN (circle units) ~~mg/L~~	TURBIDITY (NTUs)		COLOR describe	ODOR
1437	2.40	2.40	.12	101.42	6.67	23.4	474	.30	10.5		clear	no
1502	.60	3.0	.12	101.42	6.71	23.4	473	.27	7.38		clear	no
1507	.60	3.60	.12	101.42	6.75	23.4	471	.25	7.05		clear	no
1512	.60	4.20	.12	101.42	6.78	23.4	468	.25	5.69		clear	no
1517	.60	4.80	.12	101.42	6.79	23.4	466	.23	4.85		clear	no

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jason Ford TA	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1425	SAMPLING ENDED AT: 1535
PUMP OR TUBING DEPTH IN WELL (feet): 115.0	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) ~~Replaced~~	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW 14	6	CG	40mL	cool		6.79	8260/8011	BP	100
	1	PE	1 Ltr	+		↓	TDS		450
			250mL	HNO3		AE	7470/6020		
	2		250/125	H2SO4			353.2/350.1		
↓	2	↓	250	cool		6.79	7470/6010	↓	↓

REMARKS:
2 gpm 15 min purge Discharge
Ramey 7 of

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

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); 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)

48922-4

TESTAMERICA ORLANDO FIELD SAMPLING LOG –
DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

Meter #'s: M-1 / T-3 PAGE: 1 of 1

SITE NAME: Citrus County Landfill	SITE LOCATION: 240 W.	
WELL NO: MW-15	SAMPLE ID: MW-15	DATE: 7-17-12

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 110 feet to 130 feet	STATIC DEPTH TO WATER (feet): 117.02	PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) 12.58 = (129.60 feet – 117.02 feet) X .16 gallons/foot = 2.01 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: 1448	PURGING ENDED AT: 1518	TOTAL VOLUME PURGED (gallons): 3.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
1508	2.01	2.01	.10	117.18	4.61	22.5	46	.19	5.68	clear	ND	=
1513	.50	2.51	.10	117.18	4.58	22.5	46	.18	3.90	↓	↓	~
1518	.50	3.01	.10	117.18	4.56	22.5	47	.15	3.91			

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shawn Vickery / TestAmerica	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1518	SAMPLING ENDED AT: 1523
PUMP OR TUBING DEPTH IN WELL (feet): 124	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW15	1	PE	1000	UNP	0	4.6	TDS	BP	400
↓	2	↓	250	UNP	0	4.6	353.2/300.0/410.4		↓
	2		125/250	H2SO4	0	<2	350.1/353.2		
	1		250	HNO3	0	<2	7470A/6020		
	3	CG	40	UNP	—	—	8011		<150
↓	3	CG	40	UNP	—	—	8260B		<150

REMARKS: purged @ 2 Comp 15/15 50 psi

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

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); 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)

Revision Date: February 12, 2009

48922-3

TESTAMERICA ORLANDO FIELD SAMPLING LOG –
DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

Meter #'s: M-1 / T-3 PAGE: 1 of 1

SITE NAME: Citrus County Landfill | SITE LOCATION: 240 W. Gulf to Lake Hwy - Lecanto, FL
WELL NO: MW-17 | SAMPLE ID: MW-17 | DATE: 7-17-12

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 1/4 | WELL SCREEN INTERVAL DEPTH: 98 feet to 118 feet | STATIC DEPTH TO WATER (feet): 103.47 | PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) 14.53 = (118.0 feet – 103.47 feet) X .16 gallons/foot = 2.32 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): 116 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 116 | PURGING INITIATED AT: 1142 | PURGING ENDED AT: 1213 | TOTAL VOLUME PURGED (gallons): 4.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
1203	2.32	2.32	.12	103.58	4.72	23.7	51	.30	2.90	Clear	NO	—
1208	.58	2.90	.12	103.58	4.71	23.7	50	.27	3.61	↓	↓	—
1213	.58	3.48	.12	103.58	4.69	23.7	50	.24	4.06			

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
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shawn Victory / TestAmerica | SAMPLER(S) SIGNATURE(S): | SAMPLING INITIATED AT: 1213 | SAMPLING ENDED AT: 1217
PUMP OR TUBING DEPTH IN WELL (feet): 116 | TUBING MATERIAL CODE: PE | FIELD-FILTERED: Y (N) Filtration Equipment Type: | FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-17	1	PE	1000	UNP	0	4.7	TDS	BP	150
	2		250	UNP	0	4.7	353.2 / 300.0 (28)		
	2	↓	125/250	H_2SO_4	0	<2	350.1 / 353.2		
	1		250	HNO_3	0	<2	7470A / 6020		
	3	CG	40	UNP	0	—	8011	↓	≤150
↓	3	↓	40	UNP	0	~	8260B		<150

REMARKS: purged at 2 cpm 15/15 50 psi

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); 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)
Revision Date: February 12, 2009

48974-4

TESTAMERICA ORLANDO FIELD SAMPLING LOG –
DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

Meter #'s: M-1 / T-3

SITE NAME: Citrus County Landfill | SITE LOCATION: 240 W. Gulf to Lake Hwy, Lecanto, FL

WELL NO: MW-18 | SAMPLE ID: MW-18 | DATE: 7-17-12

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 1/4 | WELL SCREEN INTERVAL DEPTH: 100 feet to 120 feet | STATIC DEPTH TO WATER (feet): 105.01 | PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) MW9 105.01 = (119.70 feet – 105.01 feet) X .16 gallons/foot = 2.35 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) MW 7-17-12
= 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: 1410 | PURGING ENDED AT: 1659 | TOTAL VOLUME PURGED (gallons): 3.6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
1643	2.35	2.35	.07	112.63	4.97	23.4	66	2.28	5.28	Clear	NO	–
1651	.59	2.94	.07	112.94	4.94	23.5	64	2.19	4.39	"	"	–
1659	.59	3.53	.07	113.42	4.90	23.5	61	2.04	7.16	"	"	–

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
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shaun Victory / Test America | SAMPLER(S) SIGNATURE(S): [signature] | SAMPLING INITIATED AT: 1659 | SAMPLING ENDED AT: 1702

PUMP OR TUBING DEPTH IN WELL (feet): 115 | TUBING MATERIAL CODE: PE | FIELD-FILTERED: Y (N) Filtration Equipment Type: | FILTER SIZE: ___ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-18	1	PE	1000	UNP	Ø	5.0	TDS	BP	250
	2		250	UNP	Ø	5.0	353.2 / 300.0 (28)		
	2		125/250	H_2SO_4	Ø	<2	350.1 / 353.2		
	1		250	HNO_3	Ø	<2	7470A / 6020		
	3	CG	40	UNP	—	—	8011		<150
	3	CG	40	UNP	—	—	8260B		<150

REMARKS: Purged @ 2 cmp 15/15 50 psi

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); 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)

Revision Date: February 12, 2009

YSI 556 09J10035 TestAmerica 8712 Benjamin Rd., Ste. 100, Tampa, FL 33634
Accon 2100g 01050029303 DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#: _____

Meters: ~~HACH 84100034256 / YSI 08FH90011~~

SITE NAME: Citrus County landfill	SITE LOCATION: Lecanto FL	
WELL NO:	SAMPLE ID: MW-19	DATE: 7/19/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: 130 feet to 140 feet	STATIC DEPTH TO WATER (feet): 105.50	PURGE PUMP TYPE OR BAILER: BP

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)
= (140.0 feet 105.50 (34.50 feet) X .16 gallons/foot = 5.52 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: 0950	PURGING ENDED AT: 1110	TOTAL VOLUME PURGED (gallons): 12.8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µS/cm	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)		COLOR describe	ODOR
1025	5.60	5.60	.14	106.50	5.42	23.7	61	1.77	5.77		clear	no
1034	1.44	7.04	.16	106.50	5.45	23.6	65	1.75	5.38		clear	no
1043	1.44	8.48	.16	106.50	5.35	23.7	76	1.82	5.45		clear	no
1052	1.44	9.92	.16	106.50	5.68	23.7	85	1.88	5.78		clear	no
1101	1.44	11.36	.14	106.50	5.70	23.8	86	1.90	5.13		clear	no
1110	1.44	12.8	.16	106.50	5.76	23.7	88	1.90	4.94		clear	no

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jason Wike TA Tampa	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0945	SAMPLING ENDED AT: 1119
PUMP OR TUBING DEPTH IN WELL (feet): 117	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW19	3	CG	40 mL	HCl	—	na	8260B	BP	100

REMARKS:
2 CDs 15 70 PSI 79° partly cldy

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

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); 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)

1/SESSC 079 10085
Hach 2100P 0105000293503

TestAmerica 6712 Benjamin Rd., Ste. 100, Tampa, FL 33634
DEP-SOP-001/01
FS 2200 Groundwater Sampling

GROUNDWATER SAMPLING LOG SET A

COC#:

Meter: ~~HACH 0410000034256 / YSI 08H100611~~ R

SITE NAME: Citrus Cnty Landfill	SITE LOCATION: Lecanto FL	
WELL NO:	SAMPLE ID: MW-20	DATE: 7/18/12

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 1/4"	WELL SCREEN INTERVAL DEPTH: 105 feet to 125 feet	STATIC DEPTH TO WATER (feet): 112.18	PURGE PUMP TYPE OR BAILER: BP

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)

= (125.70 feet - 112.18 (1352) feet) X .16 gallons/foot = 2.16 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: 1014	PURGING ENDED AT: 1138	TOTAL VOLUME PURGED (gallons): 6.23

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µS/cm	DISSOLVED OXYGEN (circle units) mg/L	TURBIDITY (NTUs)		COLOR describe	ODOR
1042	2.25	2.25	.08	112.50	5.49	24.7	373	.28	10.2		clear	no
1049	.56	2.81	.08	112.60	5.50	24.7	371	.27	8.59		clear	no
1056	.56	3.37	.08	112.60	5.50	24.8	370	.26	8.04		clear	no
1103	.56	3.93	.08	112.60	5.49	24.8	370	.25	7.68		clear	no
1110	.56	4.49	.08	112.60	5.48	24.8	369	.25	7.29		clear	no
1117	.56	5.05	.08	112.60	5.48	24.8	369	.23	6.45		clear	no
1124	.56	5.61	.08	112.60	5.49	24.8	369	.20	6.03		clear	no
1131	.56	6.17	.08	112.60	5.49	24.8	369	.21	5.82		clear	no
1138	.56	6.73	.08	112.60	5.49	24.8	369	.21	4.82		clear	no

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.66; 5" = 1.02; 6" = 1.47; 12" = 6.88
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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jason Hall CTA Tampa	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1012	SAMPLING ENDED AT: 1157
PUMP OR TUBING DEPTH IN WELL (feet): 122	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-20	10	CG	40mL	Cool	ø		8260/8011	BP	100
	11	PE	1L	~~HNO3~~			TDS		300
	1		250mL	HNO3			7470/6010		
	1		250/125	H2SO4			352.2/350.1		
	2		250	Cool			353.2/CL		

REMARKS:
2 CPM 16 sec refill
2 CPM 16 sec 25 PSI
75% Bailed

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

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); 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)

48974-2

TESTAMERICA ORLANDO FIELD SAMPLING LOG –
DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

PAGE: 1 of 1

Meter #'s: M-1 / T-3

SITE NAME: Citrus County Landfill	SITE LOCATION: 240 W. Gulf to Lake Hwy, Lecanto, FL		
WELL NO: MW-21	SAMPLE ID: MW-21	DATE: 7-19-12	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 105 feet to 125 feet	STATIC DEPTH TO WATER (feet): 107.80	PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) 18.10 = (125.90 feet – 107.80 feet) X .16 gallons/foot = 2.90 gallons
TUBING LENGTH) + FLOW CELL VOLUME

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY
(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):
121.5	121.5	820	1045	8.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
914	2.90	2.90	.05	108.03	4.41	23.9	64	.16	57.5	clear	No	–
927	.72	3.62	.05	108.03	4.42	24.1	64	.18	43.9			
940	.72	4.34	.05	108.03	4.45	24.2	65	.19	39.9			
953	.72	4.96	.05	108.03	4.44	24.2	65	.22	36.0			
1006	.72	5.68	.05	108.03	4.46	24.4	66	.25	36.0			
1019	.72	6.40	.05	108.03	4.46	24.4	65	.28	31.2			
1032	.72	7.12	.05	108.03	4.48	24.5	66	.35	27.4			
1045	.72	7.84	.05	108.03	4.48	24.5	66	.31	30.9			
				Turbidity after Filtration →					0.64			

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
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shawn Vickery/TestAmerica	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1046	SAMPLING ENDED AT: 1053
PUMP OR TUBING DEPTH IN WELL (feet): 121.5	TUBING MATERIAL CODE: PE	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 1.0 µm Disposable
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-21	1	PE	1000	UNP	Ø	4.5	TDS	BP	200
	2	PE	250	UNP	Ø	4.5	353.2/300.0/SM		
	2		125/250	H_2SO_4	Ø	<2	350.1/353.2		
	2		250	HNO_3	Ø	<2	7470A/6020		<150
	3	CG	40	UNP	—	—	8011		<150
	3	CG	40	UNP	—	—	8260B		

REMARKS: purged @ 2 amp 14/16 60 psi

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); 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)

Revision Date: February 12, 2009

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-48922-1

Login Number: 48922

List Number: 1

Creator: Edwards, Erricka

List Source: TestAmerica Tampa

Question	Answer	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	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-48922-1

Login Number: 48922
List Number: 1
Creator: Howard, Brandon L

List Source: TestAmerica Savannah
List Creation: 07/19/12 11:29 AM

Question	Answer	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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
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	
Sample Preservation Verified.	N/A	
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-48922-1

Login Number: 48922
List Number: 1
Creator: Delp, Eric

List Source: TestAmerica Tallahassee
List Creation: 07/19/12 12:16 PM

Question	Answer	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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	N/A	
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-48922-1

Login Number: 48949

List Number: 1

Creator: Snead, Joshua

List Source: TestAmerica Tampa

Question	Answer	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	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-48922-1

Login Number: 48949
List Number: 1
Creator: Howard, Brandon L

List Source: TestAmerica Savannah
List Creation: 07/20/12 02:46 PM

Question	Answer	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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
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	
Sample Preservation Verified.	N/A	
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-48922-1

Login Number: 48949
List Number: 1
Creator: Savoie, Noel

List Source: TestAmerica Tallahassee
List Creation: 07/20/12 03:07 PM

Question	Answer	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	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	N/A	
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	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-48922-1

Login Number: 48963

List Number: 1

Creator: McNulty, Carol

List Source: TestAmerica Tampa

Question	Answer	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	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-48922-1

Login Number: 48963
List Number: 1
Creator: Howard, Brandon L

List Source: TestAmerica Savannah
List Creation: 07/20/12 02:46 PM

Question	Answer	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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
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	
Sample Preservation Verified.	N/A	
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-48922-1

Login Number: 48963
List Number: 1
Creator: Savoie, Noel

List Source: TestAmerica Tallahassee
List Creation: 07/20/12 03:07 PM

Question	Answer	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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-48922-1

Login Number: 48974

List Number: 1

Creator: McNulty, Carol

List Source: TestAmerica Tampa

Question	Answer	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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-48922-1

Login Number: 48974
List Number: 1
Creator: Howard, Brandon L

List Source: TestAmerica Savannah
List Creation: 07/20/12 02:46 PM

Question	Answer	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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
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	
Sample Preservation Verified.	N/A	
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-48922-1

Login Number: 48974
List Number: 1
Creator: Savoie, Noel

List Source: TestAmerica Tallahassee
List Creation: 07/20/12 03:07 PM

Question	Answer	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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	N/A	
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	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

LABORATORY REPORT 49646

September 4, 2012

Contains Analytical Results for Re-Sampling of Monitor Wells:

- MW-20
- MW-21

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

TestAmerica Job ID: 660-49646-1

Client Project/Site: Citrus County LF Resample MW-20 and -21

For:

CDM Smith, Inc.
1715 North Westshore Blvd.
Suite 875
Tampa, Florida 33607

Attn: Mr. Aamod Sonawane

Authorized for release by:
9/4/2012 3:47:56 PM

Jess Hornsby
Project Manager I
jess.hornsby@testamericainc.com

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF Resample MW-20 and -21

TestAmerica Job ID: 660-49646-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-49646-1	MW-21	Ground Water	08/24/12 10:55	08/24/12 13:50
660-49646-2	MW-20	Ground Water	08/24/12 09:08	08/24/12 13:50
660-49646-3	Trip Blank Assessment	Ground Water	08/24/12 00:00	08/24/12 13:50

Definitions/Glossary

Client: CDM Smith, Inc. TestAmerica Job ID: 660-49646-1
Project/Site: Citrus County LF Resample MW-20 and -21

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: CDM Smith, Inc.
Project/Site: Citrus County LF Resample MW-20 and -21

TestAmerica Job ID: 660-49646-1

Job ID: 660-49646-1

Laboratory: TestAmerica Tampa

Narrative

Receipt

The samples were received on 8/24/2012 1:50 PM; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 3.3ºC.

GC/MS VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

Detection Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF Resample MW-20 and -21

TestAmerica Job ID: 660-49646-1

Client Sample ID: MW-21 — Lab Sample ID: 660-49646-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.5		1.0	0.50	ug/L	1		8260B	Total/NA
Iron	1000		100	33	ug/L	1		6020	Total Recoverable
Iron	1000		100	33	ug/L	1		6020	Dissolved
Color	Cloudy				Color Units	1		Field Sampling	Total/NA
Field pH	4.86				SU	1		Field Sampling	Total/NA
Field Temperature	23.9				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.30				mg/L	1		Field Sampling	Total/NA
Specific Conductance	71				umhos/cm	1		Field Sampling	Total/NA
Turbidity	32.2				NTU	1		Field Sampling	Total/NA
Water Level	107.05				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-20 — Lab Sample ID: 660-49646-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	74000		100	33	ug/L	1		6020	Total Recoverable
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	6.02				SU	1		Field Sampling	Total/NA
Field Temperature	24.8				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.17				mg/L	1		Field Sampling	Total/NA
Specific Conductance	500				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.83				NTU	1		Field Sampling	Total/NA
Water Level	110.76				ft	1		Field Sampling	Total/NA

Client Sample ID: Trip Blank Assessment — Lab Sample ID: 660-49646-3

No Detections

Client Sample ID: MW-21

Lab Sample ID: 660-49646-1

Date Collected: 08/24/12 10:55
Matrix: Ground Water
Date Received: 08/24/12 13:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.5		1.0	0.50	ug/L			08/26/12 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*08/26/12 13:53*	*1*
Dibromofluoromethane	*95*		*70 - 130*		*08/26/12 13:53*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*08/26/12 13:53*	*1*

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1000		100	33	ug/L		08/27/12 09:49	08/27/12 22:36	1

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1000		100	33	ug/L		08/27/12 09:49	08/27/12 22:43	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Cloudy				Color Units			08/24/12 10:55	1
Field pH	4.86				SU			08/24/12 10:55	1
Field Temperature	23.9				Degrees C			08/24/12 10:55	1
Oxygen, Dissolved	0.30				mg/L			08/24/12 10:55	1
Specific Conductance	71				umhos/cm			08/24/12 10:55	1
Turbidity	32.2				NTU			08/24/12 10:55	1
Water Level	107.05				ft			08/24/12 10:55	1

Client Sample ID: MW-20

Lab Sample ID: 660-49646-2

Date Collected: 08/24/12 09:08
Matrix: Ground Water
Date Received: 08/24/12 13:50

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	74000		100	33	ug/L		08/27/12 09:49	08/27/12 22:50	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			08/24/12 09:08	1
Field pH	6.02				SU			08/24/12 09:08	1
Field Temperature	24.8				Degrees C			08/24/12 09:08	1
Oxygen, Dissolved	0.17				mg/L			08/24/12 09:08	1
Specific Conductance	500				umhos/cm			08/24/12 09:08	1
Turbidity	3.83				NTU			08/24/12 09:08	1
Water Level	110.76				ft			08/24/12 09:08	1

Client Sample ID: Trip Blank Assessment

Lab Sample ID: 660-49646-3

Date Collected: 08/24/12 00:00
Matrix: Ground Water
Date Received: 08/24/12 13:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.50	U	1.0	0.50	ug/L			08/26/12 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*08/26/12 13:17*	*1*

Client: CDM Smith, Inc.
Project/Site: Citrus County LF Resample MW-20 and -21

TestAmerica Job ID: 660-49646-1

Client Sample ID: Trip Blank Assessment
Date Collected: 08/24/12 00:00
Date Received: 08/24/12 13:50

Lab Sample ID: 660-49646-3
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*97*		*70 - 130*		*08/26/12 13:17*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*08/26/12 13:17*	*1*

Surrogate Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF Resample MW-20 and -21

TestAmerica Job ID: 660-49646-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Ground Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-49646-1	MW-21	97	95	101
660-49646-1 MS	MW-21	93	99	101
660-49646-3	Trip Blank Assessment	100	97	99

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
660-49645-G-1 DU	Duplicate	101	98	98
LCS 660-128255/3	Lab Control Sample	97	100	99
MB 660-128255/5	Method Blank	100	96	97

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 660-128255/5
Matrix: Water
Analysis Batch: 128255

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.50	U	1.0	0.50	ug/L			08/26/12 12:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*08/26/12 12:33*	*1*
Dibromofluoromethane	*96*		*70 - 130*		*08/26/12 12:33*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/26/12 12:33*	*1*

Lab Sample ID: LCS 660-128255/3
Matrix: Water
Analysis Batch: 128255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			20.0	18.4		ug/L		92	68 - 134		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: 660-49646-1 MS
Matrix: Ground Water
Analysis Batch: 128255

Client Sample ID: MW-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	1.5		20.0	21.5		ug/L		100	68 - 134		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 660-49645-G-1 DU
Matrix: Water
Analysis Batch: 128255

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Benzene	0.53	I		0.539	I	ug/L				2	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Client: CDM Smith, Inc.
Project/Site: Citrus County LF Resample MW-20 and -21

TestAmerica Job ID: 660-49646-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 680-247813/1-A
Matrix: Water
Analysis Batch: 248069

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 247813

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	33	U	100	33	ug/L		08/27/12 09:49	08/27/12 19:16	1

Lab Sample ID: LCS 680-247813/2-A
Matrix: Water
Analysis Batch: 248069

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 247813

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	5810		ug/L		116	75 - 125

Lab Sample ID: 660-49618-I-1-B MS
Matrix: Water
Analysis Batch: 248069

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 247813

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	69	I	5000	5770		ug/L		114	75 - 125

Lab Sample ID: 660-49618-I-1-C MSD
Matrix: Water
Analysis Batch: 248069

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 247813

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	69	I	5000	5670		ug/L		112	75 - 125	2	20

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF Resample MW-20 and -21

TestAmerica Job ID: 660-49646-1

GC/MS VOA

Analysis Batch: 128255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-49645-G-1 DU	Duplicate	Total/NA	Water	8260B	
660-49646-1	MW-21	Total/NA	Ground Water	8260B	
660-49646-1 MS	MW-21	Total/NA	Ground Water	8260B	
660-49646-3	Trip Blank Assessment	Total/NA	Ground Water	8260B	
LCS 660-128255/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-128255/5	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 247813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-49618-I-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
660-49618-I-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
660-49646-1	MW-21	Total Recoverable	Ground Water	3005A	
660-49646-1	MW-21	Dissolved	Ground Water	3005A	
660-49646-2	MW-20	Total Recoverable	Ground Water	3005A	
LCS 680-247813/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-247813/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 248069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-49618-I-1-B MS	Matrix Spike	Total Recoverable	Water	6020	247813
660-49618-I-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020	247813
660-49646-1	MW-21	Total Recoverable	Ground Water	6020	247813
660-49646-1	MW-21	Dissolved	Ground Water	6020	247813
660-49646-2	MW-20	Total Recoverable	Ground Water	6020	247813
LCS 680-247813/2-A	Lab Control Sample	Total Recoverable	Water	6020	247813
MB 680-247813/1-A	Method Blank	Total Recoverable	Water	6020	247813

Field Service / Mobile Lab

Analysis Batch: 128457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-49646-1	MW-21	Total/NA	Ground Water	Field Sampling	
660-49646-2	MW-20	Total/NA	Ground Water	Field Sampling	

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Citrus County LF Resample MW-20 and -21

TestAmerica Job ID: 660-49646-1

Client Sample ID: MW-21

Lab Sample ID: 660-49646-1

Date Collected: 08/24/12 10:55

Matrix: Ground Water

Date Received: 08/24/12 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	128255	08/26/12 13:53	EC	TAL TAM
Total Recoverable	Prep	3005A			247813	08/27/12 09:49	VHB	TAL SAV
Total Recoverable	Analysis	6020		1	248069	08/27/12 22:36	BR	TAL SAV
Dissolved	Prep	3005A			247813	08/27/12 09:49	VHB	TAL SAV
Dissolved	Analysis	6020		1	248069	08/27/12 22:43	BR	TAL SAV
Total/NA	Analysis	Field Sampling		1	128457	08/24/12 10:55		TAL TAM

Client Sample ID: MW-20

Lab Sample ID: 660-49646-2

Date Collected: 08/24/12 09:08

Matrix: Ground Water

Date Received: 08/24/12 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			247813	08/27/12 09:49	VHB	TAL SAV
Total Recoverable	Analysis	6020		1	248069	08/27/12 22:50	BR	TAL SAV
Total/NA	Analysis	Field Sampling		1	128457	08/24/12 09:08		TAL TAM

Client Sample ID: Trip Blank Assessment

Lab Sample ID: 660-49646-3

Date Collected: 08/24/12 00:00

Matrix: Ground Water

Date Received: 08/24/12 13:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	128255	08/26/12 13:17	EC	TAL TAM

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Method Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF Resample MW-20 and -21

TestAmerica Job ID: 660-49646-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
6020	Metals (ICP/MS)	SW846	TAL SAV
Field Sampling	Field Sampling	EPA	TAL TAM

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Certification Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF Resample MW-20 and -21

TestAmerica Job ID: 660-49646-1

Laboratory: TestAmerica Tampa

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40610	06-30-13
Florida	NELAC	4	E84282	06-30-13
Georgia	State Program	4	905	07-31-12
USDA	Federal		P330-11-00177	04-20-14

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		0399-01	02-28-13
A2LA	ISO/IEC 17025		399.01	02-28-13
Alabama	State Program	4	41450	06-30-13
Alaska (UST)	State Program	10	UST-104	06-19-13
Arkansas DEQ	State Program	6	88-0692	02-01-13
California	NELAC	9	3217CA	07-31-13
Colorado	State Program	8	N/A	12-31-12
Connecticut	State Program	1	PH-0161	03-31-13
Florida	NELAC	4	E87052	06-30-13
GA Dept. of Agriculture	State Program	4	N/A	12-31-12
Georgia	State Program	4	N/A	06-30-13
Georgia	State Program	4	803	06-30-13
Guam	State Program	9	09-005r	04-17-13
Hawaii	State Program	9	N/A	06-30-13
Illinois	NELAC	5	200022	11-30-12
Indiana	State Program	5	N/A	06-30-13
Iowa	State Program	7	353	07-01-13
Kentucky	State Program	4	90084	12-31-12
Kentucky (UST)	State Program	4	18	02-28-13
Louisiana	NELAC	6	30690	06-30-13
Louisiana	NELAC	6	LA100015	12-31-12
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-12
Massachusetts	State Program	1	M-GA006	06-30-13
Michigan	State Program	5	9925	06-30-13
Mississippi	State Program	4	N/A	06-30-13
Montana	State Program	8	CERT0081	12-31-12
Nebraska	State Program	7	TestAmerica-Savannah	06-30-13
New Jersey	NELAC	2	GA769	06-30-13
New Mexico	State Program	6	N/A	06-30-13
New York	NELAC	2	10842	04-01-13
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-13
Oklahoma	State Program	6	9984	08-31-13
Pennsylvania	NELAC	3	68-00474	06-30-13
Puerto Rico	State Program	2	GA00006	01-01-13
Rhode Island	State Program	1	LAO00244	12-30-12
South Carolina	State Program	4	98001	06-30-13
Tennessee	State Program	4	TN02961	06-30-13
Texas	NELAC	6	T104704185-08-TX	11-30-12
USDA	Federal		SAV 3-04	04-07-14
Vermont	State Program	1	87052	11-16-12
Virginia	NELAC	3	460161	06-14-13
Washington	State Program	10	C1794	06-10-13

Certification Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF Resample MW-20 and -21

TestAmerica Job ID: 660-49646-1

Laboratory: TestAmerica Savannah (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
West Virginia	State Program	3	9950C	12-31-12
West Virginia DEP	State Program	3	94	06-30-13
Wisconsin	State Program	5	999819810	08-31-13
Wyoming	State Program	8	8TMS-Q	06-30-13

TestAmerica Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

660-49646

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Shan Mottary	Lab PM: Hornsby, Jess	Carrier Tracking No(s):	COC No: 660-42978-14064.1
Client Contact: Mr. Aamod Sonawane	Phone: 407-399-3348	E-Mail: jess.hornsby@testamericainc.com		Page: Page 1 of 1
Company: CDM Smith, 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: sonawaneas@cdmsmith.com	WO #: 71138-79196-TASK1			
Project Name: Citrus County Landfill resample	Project #: 66003335			
Site: Florida	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)	8260B - Benzene	6020 - Iron	6020 - Dissolved Iron	350.1 - Ammonia as N	353.2 - Nitrate; 300.0 - Chloride	2540C - Total Dissolved Solids	6020, 7470A	8260B - 8260 Appendix I Compounds	6011 - EDB, DBCP	9222D - Coliform, Fecal	8260B - Benzene, Vinyl Chloride	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	B	O	S	N	N	D	N	R	R	N		
MW-21	8-24-12	1055	G	Water			X	X	X										
MW-20	8-24-12	908	G	Water				X											
~~MW-6~~				Water															
Trip Blank	8-24-12			Water			X												

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: Evelyn Edwards	Date: 8/22/12	Time: 1305	Method of Shipment: Courier			
Relinquished by:	Date/Time: 8-24-12 1225	Company: TAT	Received by: David Rogers	Date/Time: 8-24-12 1225	Company: CDM Smith	
Relinquished by: David Rogers	Date/Time: 8-24-12 1350	Company: CDM Smith	Received by: Carol McMurtry	Date/Time: 8/24/12 1350	Company: TA-tampa	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

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

Cooler Temperature(s) °C and Other Remarks: 3.3°C ice

9/4/2012

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DEP-SOP-001/01

TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: M-1 / T-3 PAGE: 1 of 1

FS 2200 Groundwater Sampling

SITE NAME: Citrus County Landfill	SITE LOCATION: Lecanto, FL	
WELL NO: MW-21	SAMPLE ID: MW-21	DATE: 8-24-12

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 105 feet to 125 feet	STATIC DEPTH TO WATER (feet): 107.05	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) 18.85 = (125.90 feet – 107.05 feet) X .16 gallons/foot = 3.02 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): 121.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 121.5	PURGING INITIATED AT: 928	PURGING ENDED AT: 1053	TOTAL VOLUME PURGED (gallons): 6.1

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
1011	3.02	3.02	.07	107.20	4.84	23.7	71	.22	49.9	Cloudy	NO	–
1022	.75	3.77	.07	107.20	4.86	23.7	71	.23	42.3			
1033	.75	4.52	.07	107.20	4.81	23.8	71	.28	35.2			
1043	.75	5.27	.07	107.20	4.85	23.8	72	.29	34.0			
1053	.75	6.02	.07	107.20	4.86	23.9	71	.30	32.2			
							After Filtration	–	.98			

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 Victory / TestAmerica	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1053	SAMPLING ENDED AT: 1055
PUMP OR TUBING DEPTH IN WELL (feet): 121.5	SAMPLE PUMP FLOW RATE (mL per minute): 280	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: (Y) N FILTER SIZE: 1.0 µm Filtration Equipment Type: Disposable	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-21	3	CG	40	HNP	0	5.0	8260	BP
V	2	PE	250	HNO3	2.0	2.0	Iron	BP

REMARKS: Purged at 2 gpm 15 sec Reset
15 sec Discharge 60 psi

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 / T-3 PAGE: 1 of 1

FS 2200 Groundwater Sampling

SITE NAME: Citrus County Landfill	SITE LOCATION: Lecanto, FL	
WELL NO: MW-20	SAMPLE ID: MW-20	DATE: 8-24-12

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 105 feet to 125 feet	STATIC DEPTH TO WATER (feet): 110.76	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) 14.94 = (125.70 feet – 110.76 feet) X .16 gallons/foot = 2.40 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: 807	PURGING ENDED AT: 905	TOTAL VOLUME PURGED (gallons): 3.6

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
845	2.40	2.40	.06	110.80	6.02	24.8	499	.20	4.04	clear	mothlie	
855	.60	3.00	.06	110.80	6.02	24.8	498	.16	3.73	↓	↓	
905	.60	3.60	.06	110.80	6.02	24.8	500	.17	3.83	↓	↓	

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 / TestAmerica	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 905	SAMPLING ENDED AT: 908
PUMP OR TUBING DEPTH IN WELL (feet): 122	SAMPLE PUMP FLOW RATE (mL per minute): 240	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-20~~	~~3~~	~~CG~~	~~40~~	~~UNP~~	~~0~~		~~8260~~	~~BP~~ 8-24-12
↓	1	PE	250	HNO3	0	<2.0	Iron	BP

REMARKS: Purging @ 2 cmp 1.5/15 Sec Refill See Discharge 60 psi

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)

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-49646-1

Login Number: 49646

List Source: TestAmerica Tampa

List Number: 1

Creator: McNulty, Carol

Question	Answer	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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-49646-1

Login Number: 49646
List Number: 1
Creator: Barnett, Eddie T

List Source: TestAmerica Savannah
List Creation: 08/25/12 11:41 AM

Question	Answer	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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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	
Sample Preservation Verified.	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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	