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March 6, 2012

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

Subject: First 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 December 20, 2010, CDM Smith is providing the following report documenting the groundwater analytical results from the First Semi-Annual groundwater sampling event in 2012 at the Citrus County Central Class I Landfill. The routine sampling event was performed from January 17 to January 18, 2012 and a re-sampling event was performed on February 9, 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.

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

Sincerely,

Aamod Sonawane, P.E., BCEE.
Senior Project Manager
CDM Smith Inc.

Attachments

c: Casey Stephens, Citrus County SW Management Director w/attachments
David Rojas, CDM Smith w/attachments

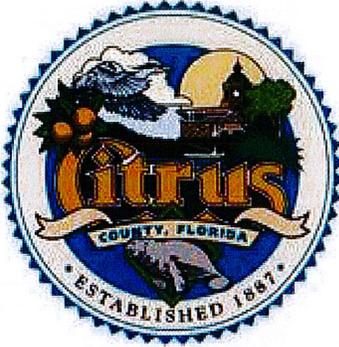




**Citrus County, Florida
Citrus County Central Class I Landfill
Facility WACS #SWD/09/39859
Permit # 21375-018-SO/01
First Semi-Annual Groundwater
Monitoring Report 2012
CDM Smith PN: 71138-85191**

March 2012

**CDM
Smith**



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

March 2012

David R. Rojas 3-5-12

David R. Rojas, P.G.
Florida Professional Geologist No. 2362



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 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@CDM.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.

3-1-12 (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

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Appendices

- Appendix A - CD Containing ADaPT Files, PDF of First Semi-Annual Groundwater Monitoring Report 2012
- Appendix B - Laboratory Reports

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Section 1

Summary

The first semi-annual groundwater sampling event for 2012 was performed on January 17 and January 18, 2012. A re-sampling event was performed on February 9, 2012 to re-collect groundwater samples from three of the monitor wells sampled in January 2012 (MW-19, MW-20, & MW-21). Personnel from TestAmerica Laboratories, Inc. (TestAmerica) collected and analyzed all of the groundwater samples. Samples collected during the January 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 February 9, 2012 from monitor wells MW-19, MW-20, & MW-21 during the re-sampling event were analyzed for specific parameters to verify the results obtained from the sampling performed in January 2012. The sample collected from MW-19 was analyzed for the volatile organic compound (VOC) vinyl chloride. The sample collected from MW-20 was analyzed for total iron. The sample collected from MW-21 was analyzed for total and dissolved iron, and the VOCs benzene and vinyl chloride.

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, 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. January 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 January 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	101.36	4.75	NS	NS
MW-B	WL only	4	113.46	108.46	5.00	NS	NS
MW-E	WL only	2	109.51	104.81	4.70	NS	NS
MW-1R	GW Sample & WL	2	118.08	113.43	4.65	NS	NS
MW-2	WL only	2	136.19	129.91	6.28	NS	NS
MW-3	GW Sample & WL	2	120.47	114.65	5.82	114.75	5.72
MW-4R	None - P&A'ed	2	116.21	NS	NS	NS	NS
MW-5	WL only	2	121.14	115.08	6.06	NS	NS
MW-6	GW Sample & WL	2	118.48	112.08	6.40	112.55	5.93
MW-7	GW Sample & WL	2	128.66	122.74	5.92	122.80	5.86
MW-8R	WL only	2	118.08	113.38	4.70	NS	NS
MW-9	WL only	2	113.46	108.85	4.61	NS	NS
MW-10	GW Sample & WL	2	114.20	108.05	6.15	108.05	6.15
MW-11	GW Sample & WL	2	105.21	100.23	4.98	100.31	4.90
MW-12	GW Sample & WL	2	104.01	98.88	5.13	98.98	5.03
MW-13	GW Sample & WL	2	112.61	107.25	5.36	107.26	5.35
MW-14	GW Sample & WL	2	109.12	104.04	5.08	104.04	5.08
MW-15	GW Sample & WL	2	124.21	118.68	5.53	118.73	5.48
MW-16	WL only	2	120.31	115.00	5.31	NS	NS
MW-17	GW Sample & WL	2	111.55	106.24	5.31	106.24	5.31
MW-18	GW Sample & WL	2	116.41	110.48	5.93	110.49	5.92
MW-19	GW Sample & WL	2	114.16	108.14	6.02	108.14	6.02
MW-20	GW Sample & WL	2	119.74	114.18	5.56	114.20	5.54
MW-21	GW Sample & WL	2	115.63	110.30	5.33	110.30	5.33
PZ-1	WL only	2	111.56	106.49	5.07	NS	NS
PZ-2	WL only	2	117.32	112.48	4.84	NS	NS

NOTES:

WL - Water Level

GW - Groundwater

NS - Not Sampled

Initial Round of Water Levels¹ - Static WLs collected from 9:30 to 16:20 on 1/17/12

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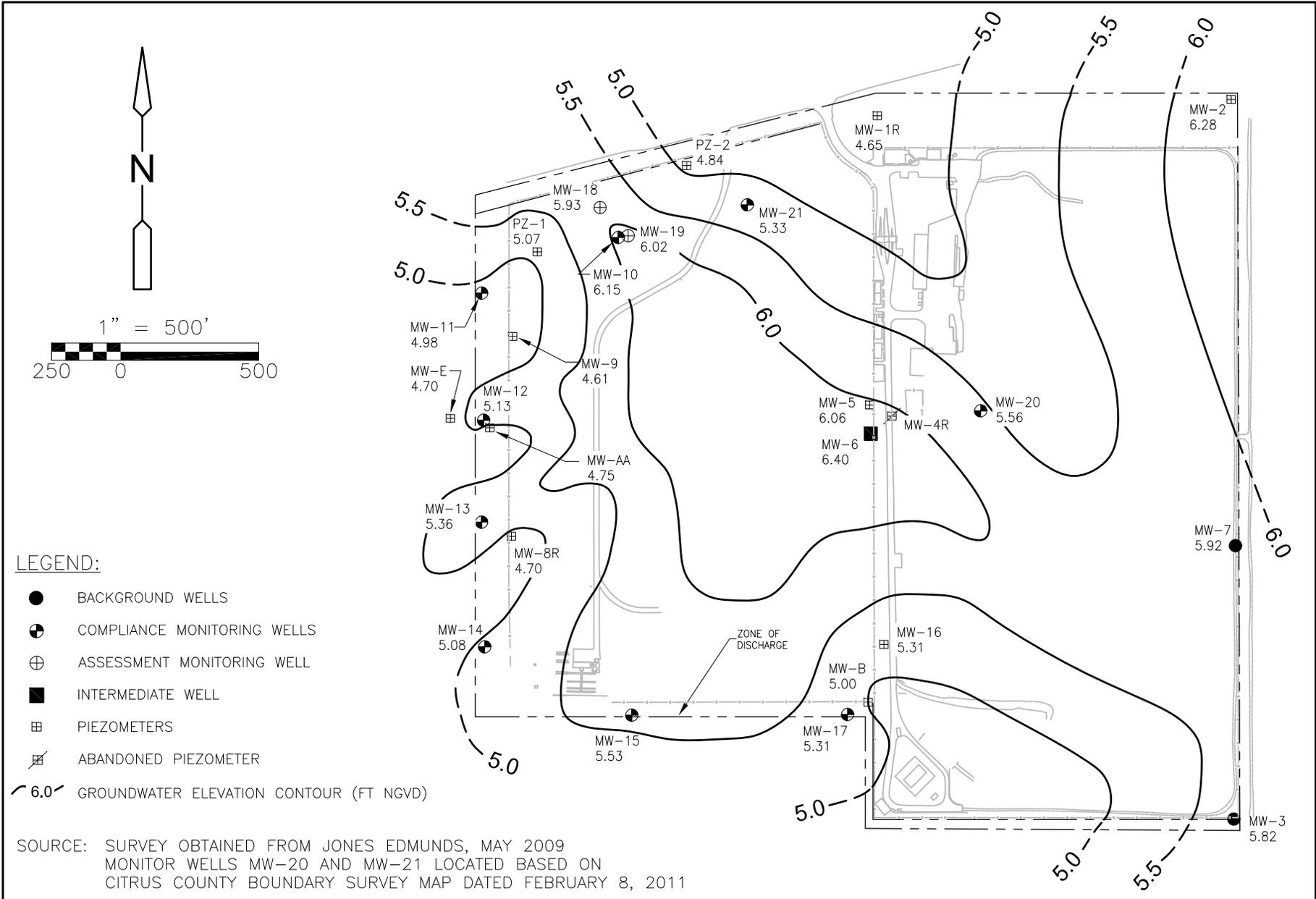


Figure No. 2-1
 Groundwater Contour Map of Floridan Aquifer
 Citrus County Central Landfill
 Water Level Data Collected January 17, 2012

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 first semi-annual sampling event for 2012.

Table 3-1. Analytical Results of Detected Parameters Compared to Groundwater Standards and/or Guidance Concentrations

WELL ID	Date Sampled	PARAMETER STANDARD	FIELD READINGS							VOLATILE ORGANICS											GENERAL CHEMISTRY									
			Color NS - Color Unit	pH 6.5 - 8.5 S.U.**	Temperature NS - C*	Dissolved Oxygen NS - mg/L	Specific Conductance NS - umhos/cm	Turbidity NS - NTU Unfiltered Filtered	Water Level ft btop	Acetone 6.3 mg/L***	Benzene 1.0 ug/L*	Bromodichloromethane 0.6*** ug/L	Trihalomethanes 80 ug/L*	Chlorobenzene 100 ug/L*	Chloroform 70 ug/L**	Dibromochloromethane 0.4*** ug/L	1,4-Dichlorobenzene 75 ug/L*	1,1-Dichloroethane 70 ug/L***	cis-1,2-Dichloroethene 70 ug/L***	Ethylbenzene 30 ug/L**	Methylene Chloride 5 ug/L*	Trichloroethene 3.0 ug/L*	Vinyl Chloride 1.0 ug/L*	Xylenes, Total 20 ug/L**	Chloride 250 mg/L**	Ammonia (as N) 2.8 mg/L***	Nitrate (as N) 10 mg/L*	Fecal Coliform 1 CFU/100 ml	Total Dissolved Solids 500 mg/L**	
Background																														
MW-3	1/18/2012		Clear	4.65	20.3	5.13	48	0.90	NA	114.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.0	0.026	0.84	NA	ND	
MW-7	1/18/2012		Clear	5.10	22.8	0.22	86	2.50	NA	122.80	ND	0.81 I	ND	ND	ND	ND	ND	9.0	ND	ND	ND	1.3 I	4.0	ND	ND	ND	NA	44		
Compliance																														
MW-10	1/17/2012		Cloudy	4.51	22.6	0.37	53	75.1	0.67	108.05	ND	2.5	ND	ND	ND	ND	ND	ND	ND	5.3	ND	2.8	5.6	6.4	0.041	0.10 I	NA	22		
MW-11	1/18/2012		Clear	7.04	22.8	0.38	389	1.80	NA	100.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.8	ND	0.23 I	NA	220		
MW-12	1/18/2012		Clear	6.58	23.1	0.12	679	1.74	NA	98.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.0	0.20	ND	NA	280		
MW-13	1/17/2012		Clear	5.14	23.2	0.46	77	4.71	NA	107.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.91 I	ND	6.2	ND	ND	NA	36		
MW-14	1/17/2012		Clear	6.72	23.0	0.36	471	2.18	NA	104.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.4 J3	ND	ND	NA	230		
MW-15	1/17/2012		Clear	4.29	22.1	0.14	41	1.06	NA	118.73	ND	0.54 I	ND	ND	ND	ND	ND	ND	ND	ND	0.94 I	0.59 I	ND	3.0	0.025 J3	ND	NA	6.0		
MW-17	1/17/2012		Clear	4.92	23.3	0.12	55	3.53	NA	106.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND	ND	3.5	0.047	ND	NA	22		
MW-20	1/18/2012		Clear	5.58	22.0	0.22	411	4.85	NA	114.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25	1.2	ND	NA	150		
MW-20	2/9/2012		Clear	5.67	22.0	0.47	338	4.9	NA	114.53	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
MW-21	1/17/2012		Cloudy	4.56	23.1	0.41	79	55.9	8.88	110.30	ND	2.8	ND	ND	ND	ND	ND	1.7	ND	ND	1.1	ND	4.1	1.7	ND	NA	24			
MW-21	2/9/2012		Cloudy	4.52	22.5	0.39	77	73.6	1.25	110.50	NA	2.5	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	
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	
MW-8R	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-9	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-AA	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-B	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-C	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-D	Not Sampled		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
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	
Intermediate																														
MW-6	1/18/2012		Clear	4.15	23.3	0.21	792	1.22	NA	112.55	ND	0.69 I	0.75 I	2.85	ND	1.3	0.51 I	0.66 I	0.57 I	0.86 I	ND	ND	ND	2.0	ND	250 J3	0.96	2.2	ND	350
Assessment																														
MW-18	1/17/2012		Clear	4.92	22.7	1.08	59	13.1	NA	110.49	NA	ND	NA	NA	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	
MW-19	1/17/2012		Clear	5.25	22.8	0.82	64	4.07	NA	108.14	NA	ND	NA	NA	NA	NA	NA	NA	NA	ND	NA	1.1	NA	NA	NA	NA	NA	NA	NA	
MW-19	2/9/2012		Clear	5.16	22.8	0.77	63	3.87	NA	108.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6	NA	NA	NA	NA	NA	NA	NA	
QA/QC																														
Eq Blank 45734	1/17/2012		NA	NA	NA	NA	NA	NA	NA	NA	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.026	ND	NA	ND	
Fid Blank 46113	2/9/2012		NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	
Trip Blank 45734	1/17/2012		NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	
Trip Blank 45786	1/17/2012		NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	
Trip Blank 46113	2/9/2012		NA	NA	NA	NA	NA	NA	NA	NA	NA	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
 I - Reported value is between the MDL and the laboratory practical quantitation limit (PQL)
 btop - below top of dedicated bladder pump

Table 3-2. Analytical Results of Parameters Exceeding Groundwater Standards and/or Guidance Concentrations

WELL ID	Date Sampled	PARAMETER STANDARD	FIELD READINGS	VOLATILE ORGANICS					METALS - Total Recoverable	METALS - Dissolved
			pH 6.5 - 8.5 S.U.**	Benzene 1.0 ug/L*	Bromodichloromethane 0.6*** ug/L	Dibromochloromethane 0.4*** ug/L	Methylene Chloride 5 ug/L*	Vinyl Chloride 1.0 ug/L*	Iron 300 ug/L**	Iron 300 ug/L**
Background										
MW-3	1/18/2012		4.65	ND	ND	ND	ND	ND	80 I	ND
MW-7	1/18/2012		5.10	0.81 I	ND	ND	ND	ND	840	NA
Compliance										
MW-10	1/17/2012		4.51	2.5	ND	ND	5.3	2.8	6,300	6,200
MW-11	1/18/2012		7.04	ND	ND	ND	ND	ND	33 I	NA
MW-12	1/18/2012		6.58	ND	ND	ND	ND	ND	4,700	NA
MW-13	1/17/2012		5.14	ND	ND	ND	ND	0.91 I	3,000	NA
MW-14	1/17/2012		6.72	ND	ND	ND	ND	ND	81 I	NA
MW-15	1/17/2012		4.29	0.54 I	ND	ND	ND	0.59 I	6,100	NA
MW-17	1/17/2012		4.92	ND	ND	ND	ND	ND	7,600	NA
MW-20	1/18/2012		5.58	ND	ND	ND	ND	ND	31,000	NA
MW-20	2/9/2012		5.67	NA	NA	NA	NA	NA	32,000	NA
MW-21	1/17/2012		4.56	2.8	ND	ND	ND	1.1	1,500	990
MW-21	2/9/2012		4.52	2.5	NA	NA	NA	1.3	2,100	1,100
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	1/18/2012		4.15	0.69 I	0.75 I	0.51 I	ND	2.0	700	NA
Assessment										
MW-18	1/17/2012		4.92	ND	NA	NA	ND	ND	NA	NA
MW-19	1/17/2012		5.25	ND	NA	NA	ND	1.1	NA	NA
MW-19	2/9/2012		5.16	NA	NA	NA	NA	1.6	NA	NA
QA/QC										
Eq Blank 45734	1/17/2012		NA	ND	ND	ND	ND	ND	38 I	NA
Fld Blank 46113	2/9/2012		NA	ND	NA	NA	NA	ND	ND	NA
Trip Blank 45734	1/17/2012		NA	ND	ND	ND	ND	ND	NA	NA
Trip Blank 45786	1/17/2012		NA	ND	ND	ND	ND	ND	NA	NA
Trip Blank 46113	2/9/2012		NA	ND	NA	NA	NA	ND	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

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 2011 by Well

MW-3 – designated as a background monitoring well

pH – 4.65 S.U.

- The pH of all of the samples collected from 2002 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 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 an intermediate monitoring well

pH – 4.15 S.U.

- The pH of all of the samples collected from 2002 to January 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 – 700 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).
- Only four of the eleven samples collected from this well during the period from 2007 to 2012 had concentrations of iron above the 300 µg/L criterion (range = 1,400 → 91.4 µg/L)
- Although the concentration of iron detected in the sample collected from this well during this sampling event is significantly higher than the concentration detected in July 2011 (130 µg/L), it is significantly lower than the concentration detected in July 2010 (1,400 µg/L) and similar to the concentration detected in January 2011 (710 µg/L).
- Because it is not uncommon for iron to exceed the 300 µg/L criterion in this well, the concentration of iron detected is not considered to be significant.

Bromodichloromethane – 0.75 µg/L

- All of the samples collected from 2002 to January 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 lower than the concentrations detected in this well in 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 (0.75 µg/L) is the lowest concentration 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 – 0.51 µg/L

- All of the samples collected from 2002 to January 2012 had concentrations of dibromochloromethane above the 0.4 µg/L GCTL criterion established in Chapter 62-777, F.A.C.
- 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 both 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 – 2.0 µg/L

- All of the samples collected from 2002 to January 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 this sampling event is lower than the concentration detected in July 2011 (2.1 µg/L) and only slightly higher than the concentrations detected in January 2011 - 1.9 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.

MW-7 – designated as a background monitoring well**pH – 5.10 S.U.**

- The pH of all of the samples collected from 2002 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 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 – 840 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 have been increasing over the last few years.
- 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), and the concentration detected in 2011 were 340 µg/L (January) and 510 µg/L (July).
- Although this is the second 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 – 4.51 S.U.

- The pH of all of the samples collected from 2005 to January 2012 has been below the 6.5 S.U. criterion.
- Because pH reading of 4.51 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 & 6,200 µg/L dissolved

- All of the samples collected from 2005 to July 2011 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 – 2.5 µg/L

- Although only 0.59 µg/L benzene was detected in the sample collected from this well in July 2011, 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 2.5 µg/L concentration detected during this sampling event is slightly lower than the concentration detected in this well in January 2010 (2.7 µg/L).

Methylene Chloride – 5.3 µg/L

- The concentration of methylene chloride detected in this sample slightly exceeds the 5.0 µg/L MCL criterion established in Chapter 62-550, F.A.C.
- Methylene chloride was detected during nine of the eleven monitoring periods between 2005 and January 2012, and the concentrations detected in all but one of the samples collected since January 2009 have exceeded the 5.0 µg/L criterion.
- Based on historical results, a concentration of methylene chloride exceeding the 5.0 µg/L criterion is not considered to be significant.

Vinyl Chloride – 2.8 µg/L

- All but two of the samples collected from 2005 to January 2011 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 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 – 4,700 µg/L total

- All of the samples collected from 2005 to January 2012 had concentrations of iron above the 300 µg/L criterion (range = 9,470 µg/L → 4,200 µg/L and average = 6,409 µg/L).
- The concentration of total iron detected in the recent sampling event is one of the lowest concentrations 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 – 5.14 S.U.

- The pH of all of the samples collected from 2005 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.

Iron – 3,000 µg/L total

- All of the samples collected from 2005 to January 2012 had concentrations of iron above the 300 µg/L criterion (range = 3,000 → 583 µg/L).
- Although the concentration of total iron detected in the recent sampling event is just slightly higher than recent historical values, 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 – 4.29 S.U.

- The pH of all of the samples collected from 2005 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.

Iron – 6,100 µg/L total

- Historically, all of the samples collected from 2005 to January 2012 had concentrations of iron above the 300 µg/L criterion (range = 6,200 → 640 µg/L).
- Although the concentration of total iron detected in this event and 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) are slightly high compared to historical concentrations detected in samples collected from this well, 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 – 4.92 S.U.

- The pH of all of the samples collected from 2005 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.

Iron – 7,600 µg/L total

- All of the samples collected from 2005 to January 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 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 2011 (range = 7,960 → 5,800 µg/L and average = 7,130 µg/L). Therefore, it is not considered to be significant.

MW-18 – designated as an assessment monitoring well

pH – 4.92 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 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 – 5.25 S.U. & 5.16 S.U. when re-sampled

- 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.

Vinyl Chloride – 1.1 µg/L & 1.6 µg/L when re-sampled

- Vinyl chloride was not detected in any of the samples collected from this well from 2007 to July 2011 and the detection limits for vinyl chloride were below the 1.0 µg/L Maximum Contaminant Level (MCL) criterion established in Chapter 62-550, F.A.C. for all of these analyses.
- The concentrations of vinyl chloride detected in both the sample collected during the initial sampling event conducted in January 2012, and the sample collected during the re-sampling event performed on February 9, 2012, were above the MCL.
- Since vinyl chloride has historically not been detected in this well, the fact that it was detected at concentrations above the 1.0 µg/L criterion in the sample collected in January 2012 and the sample collected in February 2012, this situation should be evaluated closely as routine monitoring continues.

MW-20 – designated as a compliance monitoring well

pH – 5.58 S.U. & 5.67 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 – 31,000 µg/L total & 32,000 µg/L total when re-sampled

- The concentrations of iron detected in the samples collected during this event are similar to the concentrations detected in the samples collected 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 four of the five samples.
- Because these concentrations of iron have represented the highest concentrations of iron detected in groundwater at the site during all three 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 – 4.56 S.U. & 4.52 S.U. when re-sampled

- The pH of the samples collected during this event is 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), but is similar to the pH of the samples collected for the 1st Semester of 2011 (4.53 & 4.82 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.

Benzene – 2.8 µg/L & 2.5 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.

- 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, this situation should be evaluated closely as routine monitoring continues.

Vinyl Chloride – 1.1 µg/L & 1.3 µg/L when re-sampled

- The concentrations of vinyl chloride detected these samples are slightly above the 1.0 µg/L MCL criterion established in Chapter 62-550, F.A.C.
- All of the samples collected from this well in 2011 also had concentrations of vinyl chloride slightly above the 1.0 µg/L MCL criterion [(1.2 µg/L (January), 1.2 µg/L (when re-sampled in February), 1.3 µg/L (July), and 1.2 µg/L when re-sampled in August)]; therefore, this situation should be evaluated closely as routine monitoring continues.

Iron – 1,500 µg/L total & 990 µg/L dissolved; 2,100 µg/L total & 1,100 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 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 First 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 first semi-annual sampling event for 2012:

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 (840 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 first semi-annual sampling event for 2012 were significantly above this value. However, the concentrations of iron detected in wells that have been monitored over multiple semi-annual sampling events were consistent with historical detections, and therefore do not represent a significant concern. The concentration of iron detected in monitor well MW-20 represents the highest concentration of iron detected in groundwater at the site during the January 2012 semi-annual sampling event; therefore, this situation should be evaluated closely as routine monitoring continues. Monitor wells MW-20 and MW-21 were re-sampled in February 2012 and the iron

concentrations detected in these samples were similar to the concentrations detected in the samples collected in January 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 (7.04, 6.58, and 6.72, 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.

ORGANIC COMPOUNDS

Benzene (in MW-10 and MW-21), bromodichloromethane & dibromochloromethane (in MW-6), methylene chloride (in MW-10), and vinyl chloride (in MW-6, MW-10, MW-19 and MW-21) were the only organic compounds detected in concentrations that exceeded MCLs in the groundwater samples collected in January 2012. With the exception of vinyl chloride in MW-19, the concentrations detected are similar to the concentrations previously detected in these wells. However, in addition to re-sampling MW-19 for vinyl chloride, monitor well MW-21 was re-sampled to confirm the concentrations of benzene and vinyl chloride.

Although only 0.59 µg/L benzene was detected in the sample collected from MW-10 in July 2011, all of the samples collected from 2005 to January 2011 had concentrations of benzene at or above the 1.0 µg/L MCL criterion. In addition, the 2.5 µg/L concentration detected in the sample collected from MW-10 during this sampling event is slightly lower than the 2.7 µg/L detected in this well in January 2010. As stated in Section 3.1, 2.8 µg/L benzene was detected in the sample collected from MW-21 in January 2012 and 2.5 µg/L benzene was detected in the sample collected from this well 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 similar to the concentrations detected during the recent sampling events, they are not considered to be significant, but should continue to be evaluated as routine monitoring continues.

The concentration of methylene chloride detected in the sample collected from MW-10 slightly exceeds the MCL criterion. However, methylene chloride was detected in MW-10 during nine of the eleven monitoring periods between 2005 and January 2012, and the concentrations detected in all but one of the samples collected since January 2009 have exceeded the criterion. Based on historical results, a concentration of methylene chloride exceeding the 5.0 µg/L criterion is not considered to be significant.

In this semi-annual sampling event, vinyl chloride was detected at concentrations exceeding the 1.0 µg/L MCL criterion in four monitor wells (MW-6, MW-10, MW-19 and MW-21). 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. Although vinyl chloride was not detected in any of the samples collected from MW-19 from 2007 to July 2011, it was not only detected in January and February 2012, but was detected at concentrations exceeding the MCL criterion. Vinyl chloride was detected at 1.1 µg/L in the sample collected from monitor well MW-21 in January 2012 and at 1.3 µg/L when the well was re-sampled in February 2012. These concentrations are similar to the concentrations detected in all four groundwater samples collected from MW-21 last year. The concentrations of vinyl chloride in monitor wells MW-6, MW-10, MW-19 and MW-21 should continue to be evaluated as routine monitoring continues.

APPENDIX A

CD Containing:

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

APPENDIX B

Laboratory Reports

- **Report # 660-45734-1**
- **Report # 660-46113-1**

LABORATORY REPORT 45734

February 2, 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: 660-45734-1

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

Judith A Beato

Authorized for release by:
2/2/2012 12:55:11 PM

Judith Beato
Project Manager I
judith.beato@testamericainc.com

LINKS

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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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Definitions/Glossary

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

TestAmerica Job ID: 660-45734-1

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

General Chemistry

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.

OrlandoSVC

Qualifier	Qualifier Description
U	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 Landfill

TestAmerica Job ID: 660-45734-1

Job ID: 660-45734-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative 660-45734-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 624, 8260B: The initial calibration verification (ICV) for analytical batch 119140 exceeded control criteria for carbon disulfide and vinyl acetate. The data have been qualified and reported.

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 120079 had 1 analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The matrix spike (MS) recoveries for batch 120079 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 120153 had 1 analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No other analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

Metals

Method(s) 6020, 6020A: The laboratory control sample (LCS) for batch 227146 exceeded control limits for the following analytes: Sb. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No other analytical or quality issues were noted.

Field Service / Mobile Lab

No analytical or quality issues were noted.

General Chemistry

Method(s) 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 120356 was outside control limits for chloride. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 300.0: The matrix spike (MS) recovery for batch 120398 was outside control limits for chloride and sulfate. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 350.1: Due to the high concentration of ammonia, the matrix spike / matrix spike duplicate (MS/MSD) for batch 120299 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 120300 were outside control limits. The associated laboratory control sample (LCS) recovery met criteria.

Method(s) 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 120025 were outside control limits MW-10 (660-45734-2). The associated laboratory control sample (LCS) recovery met acceptance criteria.

Case Narrative

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

TestAmerica Job ID: 660-45734-1

Job ID: 660-45734-1 (Continued)

Laboratory: TestAmerica Tampa (Continued)

Method(s) 353.2: The reference method recommends samples with pH outside the range of 5-9 to be adjusted to pH 7. The pH for the following sample was outside the method defined range and was therefore adjusted by the lab to a pH of 7: MW-6 (660-45781-1). Batch: 120084

No other analytical or quality issues were noted.

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Detection Summary

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: Equipment Blank 45734

Lab Sample ID: 660-45734-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone - DL	1200	J3	200	99	ug/L	10		8260B	Total/NA
Iron	38	I	100	33	ug/L	1		6020	Total Recovera
Sodium	0.40	I	0.50	0.25	mg/L	1		6020	Total Recovera
Ammonia as N	0.026		0.020	0.010	mg/L	1		350.1	Total/NA

Client Sample ID: MW-10

Lab Sample ID: 660-45734-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.6		1.0	0.52	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	7.8		1.0	0.52	ug/L	1		8260B	Total/NA
Benzene	2.5		1.0	0.50	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	6.9		1.0	0.65	ug/L	1		8260B	Total/NA
Methylene Chloride	5.3		5.0	4.0	ug/L	1		8260B	Total/NA
Vinyl chloride	2.8		1.0	0.50	ug/L	1		8260B	Total/NA
Xylenes, Total	5.6		3.0	0.50	ug/L	1		8260B	Total/NA
Arsenic	2.8		2.5	1.3	ug/L	1		6020	Total Recovera
Barium	69		5.0	1.3	ug/L	1		6020	Total Recovera
Chromium	4.7	I	5.0	2.5	ug/L	1		6020	Total Recovera
Cobalt	0.61		0.50	0.15	ug/L	1		6020	Total Recovera
Iron	6300		100	33	ug/L	1		6020	Total Recovera
Lead	2.2		1.5	0.20	ug/L	1		6020	Total Recovera
Nickel	2.9	I	5.0	2.0	ug/L	1		6020	Total Recovera
Sodium	4.5		0.50	0.25	mg/L	1		6020	Total Recovera
Zinc	10	I	20	8.3	ug/L	1		6020	Total Recovera
Arsenic	2.4	I	2.5	1.3	ug/L	1		6020	Dissolved
Barium	4.0	I	5.0	1.3	ug/L	1		6020	Dissolved
Cobalt	0.61		0.50	0.15	ug/L	1		6020	Dissolved
Iron	6200		100	33	ug/L	1		6020	Dissolved
Nickel	2.9	I	5.0	2.0	ug/L	1		6020	Dissolved
Sodium	4.6		0.50	0.25	mg/L	1		6020	Dissolved
Zinc	10	I	20	8.3	ug/L	1		6020	Dissolved
Chloride	6.4		0.50	0.20	mg/L	1		300.0	Total/NA
Total Dissolved Solids	22		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Cloudy				Color Units	1		Field Sampling	Total/NA
Field pH	4.51				SU	1		Field Sampling	Total/NA
Field Temperature	22.6				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.37				mg/L	1		Field Sampling	Total/NA
Specific Conductance	53				umhos/cm	1		Field Sampling	Total/NA
Turbidity	75.1				NTU	1		Field Sampling	Total/NA
Water Level	108.05				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-13

Lab Sample ID: 660-45734-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.55	I	1.0	0.52	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	2.8		1.0	0.52	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.1		1.0	0.65	ug/L	1		8260B	Total/NA
Vinyl chloride	0.91	I	1.0	0.50	ug/L	1		8260B	Total/NA
Arsenic	4.0		2.5	1.3	ug/L	1		6020	Total Recovera
Barium	3.3	I	5.0	1.3	ug/L	1		6020	Total Recovera
Cadmium	0.11	I	0.50	0.095	ug/L	1		6020	Total Recovera
Chromium	2.7	I	5.0	2.5	ug/L	1		6020	Total Recovera
Cobalt	6.6		0.50	0.15	ug/L	1		6020	Total Recovera
Iron	3000		100	33	ug/L	1		6020	Total Recovera

Detection Summary

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-13 (Continued)

Lab Sample ID: 660-45734-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	4.4	I	5.0	2.0	ug/L	1		6020	Total Recovera
Sodium Chloride	3.1		0.50	0.25	mg/L	1		6020	Total Recovera
Total Dissolved Solids	6.2		0.50	0.20	mg/L	1		300.0	Total/NA
Color	36		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	Clear				Color Units	1		Field Sampling	Total/NA
Field Temperature	5.14				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	23.2				Degrees C	1		Field Sampling	Total/NA
Specific Conductance	0.46				mg/L	1		Field Sampling	Total/NA
Turbidity	77				umhos/cm	1		Field Sampling	Total/NA
Water Level	4.71				NTU	1		Field Sampling	Total/NA
	107.26				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-14

Lab Sample ID: 660-45734-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	15		5.0	1.3	ug/L	1		6020	Total Recovera
Cadmium	0.55		0.50	0.095	ug/L	1		6020	Total Recovera
Cobalt	0.89		0.50	0.15	ug/L	1		6020	Total Recovera
Iron	81	I	100	33	ug/L	1		6020	Total Recovera
Sodium Chloride	3.1		0.50	0.25	mg/L	1		6020	Total Recovera
Total Dissolved Solids	4.4	J3	0.50	0.20	mg/L	1		300.0	Total/NA
Color	230		10	10	mg/L	1		SM 2540C	Total/NA
Field pH	Clear				Color Units	1		Field Sampling	Total/NA
Field Temperature	6.72				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	23.0				Degrees C	1		Field Sampling	Total/NA
Specific Conductance	0.36				mg/L	1		Field Sampling	Total/NA
Turbidity	471				umhos/cm	1		Field Sampling	Total/NA
Water Level	2.18				NTU	1		Field Sampling	Total/NA
	104.04				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-15

Lab Sample ID: 660-45734-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.54	I	1.0	0.50	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	3.1		1.0	0.65	ug/L	1		8260B	Total/NA
Trichloroethene	0.94	I	1.0	0.50	ug/L	1		8260B	Total/NA
Vinyl chloride	0.59	I	1.0	0.50	ug/L	1		8260B	Total/NA
Arsenic	5.6		2.5	1.3	ug/L	1		6020	Total Recovera
Barium	2.0	I	5.0	1.3	ug/L	1		6020	Total Recovera
Cobalt	0.29	I	0.50	0.15	ug/L	1		6020	Total Recovera
Iron	6100		100	33	ug/L	1		6020	Total Recovera
Sodium Chloride	1.8		0.50	0.25	mg/L	1		6020	Total Recovera
Zinc	13	I	20	8.3	ug/L	1		6020	Total Recovera
Ammonia as N	3.0		0.50	0.20	mg/L	1		300.0	Total/NA
Total Dissolved Solids	0.025	J3	0.020	0.010	mg/L	1		350.1	Total/NA
Color	6.0		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Field pH	Clear				Color Units	1		Field Sampling	Total/NA
Field Temperature	4.29				SU	1		Field Sampling	Total/NA
Oxygen, Dissolved	22.1				Degrees C	1		Field Sampling	Total/NA
Specific Conductance	0.14				mg/L	1		Field Sampling	Total/NA
Turbidity	41				umhos/cm	1		Field Sampling	Total/NA
Water Level	1.06				NTU	1		Field Sampling	Total/NA
	118.73				ft	1		Field Sampling	Total/NA

Detection Summary

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-17

Lab Sample ID: 660-45734-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.7		2.5	1.3	ug/L	1		6020	Total Recovera
Barium	4.4	I	5.0	1.3	ug/L	1		6020	Total Recovera
Cobalt	5.8		0.50	0.15	ug/L	1		6020	Total Recovera
Iron	7600		100	33	ug/L	1		6020	Total Recovera
Nickel	2.5	I	5.0	2.0	ug/L	1		6020	Total Recovera
Sodium	3.1		0.50	0.25	mg/L	1		6020	Total Recovera
Chloride	3.5		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.047		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	22		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	4.92				SU	1		Field Sampling	Total/NA
Field Temperature	23.3				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.12				mg/L	1		Field Sampling	Total/NA
Specific Conductance	55				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.53				NTU	1		Field Sampling	Total/NA
Water Level	106.24				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-21

Lab Sample ID: 660-45734-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.53	I	1.0	0.52	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	13		1.0	0.52	ug/L	1		8260B	Total/NA
Benzene	2.8		1.0	0.50	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.2		1.0	0.65	ug/L	1		8260B	Total/NA
Ethylbenzene	1.7		1.0	0.44	ug/L	1		8260B	Total/NA
Vinyl chloride	1.1		1.0	0.50	ug/L	1		8260B	Total/NA
Arsenic	2.7		2.5	1.3	ug/L	1		6020	Total Recovera
Barium	35		5.0	1.3	ug/L	1		6020	Total Recovera
Beryllium	0.28	I	0.50	0.25	ug/L	1		6020	Total Recovera
Chromium	5.2		5.0	2.5	ug/L	1		6020	Total Recovera
Cobalt	0.77		0.50	0.15	ug/L	1		6020	Total Recovera
Copper	1.8	I	5.0	1.1	ug/L	1		6020	Total Recovera
Iron	1500		100	33	ug/L	1		6020	Total Recovera
Lead	1.9		1.5	0.20	ug/L	1		6020	Total Recovera
Sodium	1.8		0.50	0.25	mg/L	1		6020	Total Recovera
Arsenic	2.5		2.5	1.3	ug/L	1		6020	Dissolved
Barium	1.3	I	5.0	1.3	ug/L	1		6020	Dissolved
Cobalt	0.60		0.50	0.15	ug/L	1		6020	Dissolved
Iron	990		100	33	ug/L	1		6020	Dissolved
Sodium	1.8		0.50	0.25	mg/L	1		6020	Dissolved
Chloride	4.1		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	1.7		0.020	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	4.56				SU	1		Field Sampling	Total/NA
Field Temperature	23.1				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.41				mg/L	1		Field Sampling	Total/NA
Specific Conductance	79				umhos/cm	1		Field Sampling	Total/NA
Turbidity	55.9				NTU	1		Field Sampling	Total/NA
Water Level	110.30				ft	1		Field Sampling	Total/NA

Client Sample ID: Trip Blank 1 45734

Lab Sample ID: 660-45734-8

No Detections

Detection Summary

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: Trip Blank 2 45734

Lab Sample ID: 660-45734-9

No Detections

Client Sample ID: MW-6

Lab Sample ID: 660-45781-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.57	I	1.0	0.52	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	0.66	I	1.0	0.52	ug/L	1		8260B	Total/NA
Benzene	0.69	I	1.0	0.50	ug/L	1		8260B	Total/NA
Bromodichloromethane	0.75	I	1.0	0.35	ug/L	1		8260B	Total/NA
Chloroform	1.3		1.0	0.90	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.86	I	1.0	0.65	ug/L	1		8260B	Total/NA
Dibromochloromethane	0.51	I	1.0	0.34	ug/L	1		8260B	Total/NA
Vinyl chloride	2.0		1.0	0.50	ug/L	1		8260B	Total/NA
Barium	90		5.0	1.3	ug/L	1		6020	Total Recovera
Beryllium	0.53		0.50	0.25	ug/L	1		6020	Total Recovera
Lead	2.9		1.5	0.20	ug/L	1		6020	Total Recovera
Cadmium	0.34	I	0.50	0.095	ug/L	1		6020	Total Recovera
Nickel	28		5.0	2.0	ug/L	1		6020	Total Recovera
Cobalt	2.4		0.50	0.15	ug/L	1		6020	Total Recovera
Copper	9.5		5.0	1.1	ug/L	1		6020	Total Recovera
Iron	700		100	33	ug/L	1		6020	Total Recovera
Zinc	15	I	20	8.3	ug/L	1		6020	Total Recovera
Sodium	110		0.50	0.25	mg/L	1		6020	Total Recovera
Chloride	250	J3	5.0	2.0	mg/L	10		300.0	Total/NA
Ammonia as N	0.96		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	350		17	17	mg/L	1		SM 2540C	Total/NA
Nitrate as N - DL	2.2		1.0	0.20	mg/L	2		353.2	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	4.15				SU	1		Field Sampling	Total/NA
Field Temperature	23.3				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.21				mg/L	1		Field Sampling	Total/NA
Specific Conductance	792				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.22				NTU	1		Field Sampling	Total/NA
Water Level	112.55				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-11

Lab Sample ID: 660-45783-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	22		5.0	1.3	ug/L	1		6020	Total Recovera
Iron	33	I	100	33	ug/L	1		6020	Total Recovera
Sodium	3.3		0.50	0.25	mg/L	1		6020	Total Recovera
Thallium	0.71	I	1.0	0.50	ug/L	1		6020	Total Recovera
Chloride	4.8		0.50	0.20	mg/L	1		300.0	Total/NA
Nitrate as N	0.23	I	0.50	0.10	mg/L	1		353.2	Total/NA
Total Dissolved Solids	220		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	7.04				SU	1		Field Sampling	Total/NA
Field Temperature	22.8				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.38				mg/L	1		Field Sampling	Total/NA
Specific Conductance	389				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.80				NTU	1		Field Sampling	Total/NA
Water Level	100.34				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-12

Lab Sample ID: 660-45783-2

Detection Summary

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-12 (Continued)

Lab Sample ID: 660-45783-2

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	3.3		2.5	1.3	ug/L	1		6020	Total Recovera
Barium	16		5.0	1.3	ug/L	1		6020	Total Recovera
Cobalt	0.89		0.50	0.15	ug/L	1		6020	Total Recovera
Iron	4700		100	33	ug/L	1		6020	Total Recovera
Sodium	2.7		0.50	0.25	mg/L	1		6020	Total Recovera
Chloride	4.0		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.20		0.020	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	6.58				SU	1		Field Sampling	Total/NA
Field Temperature	23.1				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.12				mg/L	1		Field Sampling	Total/NA
Specific Conductance	679				umhos/cm	1		Field Sampling	Total/NA
Turbidity	1.74				NTU	1		Field Sampling	Total/NA
Water Level	98.98				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-20

Lab Sample ID: 660-45783-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.5		2.5	1.3	ug/L	1		6020	Total Recovera
Barium	9.5		5.0	1.3	ug/L	1		6020	Total Recovera
Cobalt	2.8		0.50	0.15	ug/L	1		6020	Total Recovera
Iron	31000		100	33	ug/L	1		6020	Total Recovera
Sodium	8.5		0.50	0.25	mg/L	1		6020	Total Recovera
Chloride	25		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	1.2		0.020	0.010	mg/L	1		350.1	Total/NA
Total Dissolved Solids	150		10	10	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	5.58				SU	1		Field Sampling	Total/NA
Field Temperature	22.0				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.22				mg/L	1		Field Sampling	Total/NA
Specific Conductance	411				umhos/cm	1		Field Sampling	Total/NA
Turbidity	4.85				NTU	1		Field Sampling	Total/NA
Water Level	114.20				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-3

Lab Sample ID: 660-45783-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	12		5.0	1.3	ug/L	1		6020	Total Recovera
Cadmium	0.13	I	0.50	0.095	ug/L	1		6020	Total Recovera
Cobalt	0.42	I	0.50	0.15	ug/L	1		6020	Total Recovera
Copper	22		5.0	1.1	ug/L	1		6020	Total Recovera
Iron	130		100	33	ug/L	1		6020	Total Recovera
Lead	5.6		1.5	0.20	ug/L	1		6020	Total Recovera
Nickel	2.8	I	5.0	2.0	ug/L	1		6020	Total Recovera
Sodium	4.3		0.50	0.25	mg/L	1		6020	Total Recovera
Zinc	42		20	8.3	ug/L	1		6020	Total Recovera
Chloride	6.0		0.50	0.20	mg/L	1		300.0	Total/NA
Ammonia as N	0.026		0.020	0.010	mg/L	1		350.1	Total/NA
Nitrate as N	0.84		0.50	0.10	mg/L	1		353.2	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	4.65				SU	1		Field Sampling	Total/NA
Field Temperature	20.3				Degrees C	1		Field Sampling	Total/NA

Detection Summary

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-3 (Continued)

Lab Sample ID: 660-45783-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Oxygen, Dissolved	5.13				mg/L	1		Field Sampling	Total/NA
Specific Conductance	48				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.90				NTU	1		Field Sampling	Total/NA
Water Level	114.75				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-7

Lab Sample ID: 660-45783-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.81	I	1.0	0.50	ug/L	1		8260B	Total/NA
Ethylbenzene	9.0		1.0	0.44	ug/L	1		8260B	Total/NA
Xylenes, Total	1.3	I	3.0	0.50	ug/L	1		8260B	Total/NA
Arsenic	8.7		2.5	1.3	ug/L	1		6020	Total Recovers
Barium	18		5.0	1.3	ug/L	1		6020	Total Recovers
Cadmium	0.19	I	0.50	0.095	ug/L	1		6020	Total Recovers
Cobalt	0.80		0.50	0.15	ug/L	1		6020	Total Recovers
Iron	840		100	33	ug/L	1		6020	Total Recovers
Lead	0.82	I	1.5	0.20	ug/L	1		6020	Total Recovers
Nickel	5.3		5.0	2.0	ug/L	1		6020	Total Recovers
Sodium	11		0.50	0.25	mg/L	1		6020	Total Recovers
Zinc	30		20	8.3	ug/L	1		6020	Total Recovers
Chloride	4.0		0.50	0.20	mg/L	1		300.0	Total/NA
Total Dissolved Solids	44		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	5.10				SU	1		Field Sampling	Total/NA
Field Temperature	22.8				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.22				mg/L	1		Field Sampling	Total/NA
Specific Conductance	86				umhos/cm	1		Field Sampling	Total/NA
Turbidity	2.50				NTU	1		Field Sampling	Total/NA
Water Level	122.8				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-18

Lab Sample ID: 660-45786-19

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	4.92				SU	1		Field Sampling	Total/NA
Field Temperature	22.7				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.08				mg/L	1		Field Sampling	Total/NA
Specific Conductance	59				umhos/cm	1		Field Sampling	Total/NA
Turbidity	13.1				NTU	1		Field Sampling	Total/NA
Water Level	110.49				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-19

Lab Sample ID: 660-45786-20

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1.1		1.0	0.50	ug/L	1		8260B	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	5.25				SU	1		Field Sampling	Total/NA
Field Temperature	22.8				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.82				mg/L	1		Field Sampling	Total/NA
Specific Conductance	64				umhos/cm	1		Field Sampling	Total/NA
Turbidity	4.07				NTU	1		Field Sampling	Total/NA
Water Level	108.14				ft	1		Field Sampling	Total/NA

Detection Summary

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: Trip Blank Assessment 45786

Lab Sample ID: 660-45786-21

No Detections

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: Equipment Blank 45734

Lab Sample ID: 660-45734-1

Date Collected: 01/17/12 11:00

Matrix: Ground Water

Date Received: 01/18/12 08:35

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			01/19/12 11:18	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/19/12 11:18	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/19/12 11:18	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/19/12 11:18	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/19/12 11:18	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/19/12 11:18	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/19/12 11:18	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/19/12 11:18	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/19/12 11:18	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/19/12 11:18	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/19/12 11:18	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/19/12 11:18	1
2-Butanone	8.4	U	10	8.4	ug/L			01/19/12 11:18	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/19/12 11:18	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/19/12 11:18	1
Benzene	0.50	U	1.0	0.50	ug/L			01/19/12 11:18	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/19/12 11:18	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/19/12 11:18	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/19/12 11:18	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/19/12 11:18	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/19/12 11:18	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/19/12 11:18	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/19/12 11:18	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/19/12 11:18	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/19/12 11:18	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/19/12 11:18	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/19/12 11:18	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 11:18	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/19/12 11:18	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/19/12 11:18	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/19/12 11:18	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/19/12 11:18	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/19/12 11:18	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/19/12 11:18	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/19/12 11:18	1
Styrene	0.98	U	2.0	0.98	ug/L			01/19/12 11:18	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 11:18	1
Toluene	0.51	U	1.0	0.51	ug/L			01/19/12 11:18	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/19/12 11:18	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 11:18	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/19/12 11:18	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 11:18	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/19/12 11:18	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/19/12 11:18	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/19/12 11:18	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/19/12 11:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130		01/19/12 11:18	1
Dibromofluoromethane	110		70 - 130		01/19/12 11:18	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: Equipment Blank 45734

Lab Sample ID: 660-45734-1

Date Collected: 01/17/12 11:00

Matrix: Ground Water

Date Received: 01/18/12 08:35

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130		01/19/12 11:18	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1200	J3	200	99	ug/L			01/19/12 15:16	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130		01/19/12 15:16	10
Dibromofluoromethane	111		70 - 130		01/19/12 15:16	10
Toluene-d8 (Surr)	101		70 - 130		01/19/12 15:16	10

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	0.010	U	0.020	0.010	ug/L		01/20/12 10:24	01/20/12 17:19	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		01/20/12 10:24	01/20/12 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	95		60 - 140		01/20/12 10:24	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U J3	5.0	2.3	ug/L		01/24/12 16:38	01/26/12 12:17	1
Arsenic	1.3	U	2.5	1.3	ug/L		01/24/12 16:38	01/26/12 12:17	1
Barium	1.3	U	5.0	1.3	ug/L		01/24/12 16:38	01/26/12 12:17	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/24/12 16:38	01/26/12 12:17	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/24/12 16:38	01/26/12 12:17	1
Chromium	2.5	U	5.0	2.5	ug/L		01/24/12 16:38	01/26/12 12:17	1
Cobalt	0.15	U	0.50	0.15	ug/L		01/24/12 16:38	01/26/12 12:17	1
Copper	1.1	U	5.0	1.1	ug/L		01/24/12 16:38	01/26/12 12:17	1
Iron	38	I	100	33	ug/L		01/24/12 16:38	01/26/12 12:17	1
Lead	0.20	U	1.5	0.20	ug/L		01/24/12 16:38	01/26/12 12:17	1
Nickel	2.0	U	5.0	2.0	ug/L		01/24/12 16:38	01/26/12 12:17	1
Selenium	1.0	U	2.5	1.0	ug/L		01/24/12 16:38	01/26/12 12:17	1
Silver	0.25	U	1.0	0.25	ug/L		01/24/12 16:38	01/26/12 12:17	1
Sodium	0.40	I	0.50	0.25	mg/L		01/24/12 16:38	01/26/12 12:17	1
Thallium	0.50	U	1.0	0.50	ug/L		01/24/12 16:38	01/26/12 12:17	1
Vanadium	3.8	U	10	3.8	ug/L		01/24/12 16:38	01/26/12 12:17	1
Zinc	8.3	U	20	8.3	ug/L		01/24/12 16:38	01/26/12 12:17	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		01/25/12 09:09	01/25/12 13:14	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			01/27/12 10:03	1
Ammonia as N	0.026		0.020	0.010	mg/L			01/25/12 20:55	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/18/12 13:25	1
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			01/20/12 14:51	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-10

Lab Sample ID: 660-45734-2

Date Collected: 01/17/12 12:05

Matrix: Ground Water

Date Received: 01/18/12 08:35

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			01/19/12 12:19	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/19/12 12:19	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/19/12 12:19	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/19/12 12:19	1
1,1-Dichloroethane	1.6		1.0	0.52	ug/L			01/19/12 12:19	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/19/12 12:19	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/19/12 12:19	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/19/12 12:19	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/19/12 12:19	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/19/12 12:19	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/19/12 12:19	1
1,4-Dichlorobenzene	7.8		1.0	0.52	ug/L			01/19/12 12:19	1
2-Butanone	8.4	U	10	8.4	ug/L			01/19/12 12:19	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/19/12 12:19	1
Acetone	9.9	U J3	20	9.9	ug/L			01/19/12 12:19	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/19/12 12:19	1
Benzene	2.5		1.0	0.50	ug/L			01/19/12 12:19	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/19/12 12:19	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/19/12 12:19	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/19/12 12:19	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/19/12 12:19	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/19/12 12:19	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/19/12 12:19	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/19/12 12:19	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/19/12 12:19	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/19/12 12:19	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/19/12 12:19	1
cis-1,2-Dichloroethene	6.9		1.0	0.65	ug/L			01/19/12 12:19	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 12:19	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/19/12 12:19	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/19/12 12:19	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/19/12 12:19	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/19/12 12:19	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/19/12 12:19	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/19/12 12:19	1
Methylene Chloride	5.3		5.0	4.0	ug/L			01/19/12 12:19	1
Styrene	0.98	U	2.0	0.98	ug/L			01/19/12 12:19	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 12:19	1
Toluene	0.51	U	1.0	0.51	ug/L			01/19/12 12:19	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/19/12 12:19	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 12:19	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/19/12 12:19	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 12:19	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/19/12 12:19	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/19/12 12:19	1
Vinyl chloride	2.8		1.0	0.50	ug/L			01/19/12 12:19	1
Xylenes, Total	5.6		3.0	0.50	ug/L			01/19/12 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		01/19/12 12:19	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-10

Lab Sample ID: 660-45734-2

Date Collected: 01/17/12 12:05

Matrix: Ground Water

Date Received: 01/18/12 08:35

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	109		70 - 130		01/19/12 12:19	1
Toluene-d8 (Surr)	101		70 - 130		01/19/12 12:19	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	0.0098	U	0.020	0.0098	ug/L		01/20/12 10:24	01/20/12 17:37	1
Ethylene Dibromide	0.0098	U	0.020	0.0098	ug/L		01/20/12 10:24	01/20/12 17:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	100		60 - 140	01/20/12 10:24	01/20/12 17:37	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		01/31/12 08:49	02/01/12 10:56	1
Arsenic	2.8		2.5	1.3	ug/L		01/31/12 08:49	02/01/12 10:56	1
Barium	69		5.0	1.3	ug/L		01/31/12 08:49	02/01/12 10:56	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/31/12 08:49	02/01/12 10:56	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/31/12 08:49	02/01/12 10:56	1
Chromium	4.7	I	5.0	2.5	ug/L		01/31/12 08:49	02/01/12 10:56	1
Cobalt	0.61		0.50	0.15	ug/L		01/31/12 08:49	02/01/12 10:56	1
Copper	1.1	U	5.0	1.1	ug/L		01/31/12 08:49	02/01/12 10:56	1
Iron	6300		100	33	ug/L		01/31/12 08:49	02/01/12 10:56	1
Lead	2.2		1.5	0.20	ug/L		01/31/12 08:49	02/01/12 10:56	1
Nickel	2.9	I	5.0	2.0	ug/L		01/31/12 08:49	02/01/12 10:56	1
Selenium	1.0	U	2.5	1.0	ug/L		01/31/12 08:49	02/01/12 10:56	1
Silver	0.25	U	1.0	0.25	ug/L		01/31/12 08:49	02/01/12 10:56	1
Sodium	4.5		0.50	0.25	mg/L		01/31/12 08:49	01/31/12 21:55	1
Thallium	0.50	U	1.0	0.50	ug/L		01/31/12 08:49	02/01/12 10:56	1
Vanadium	3.8	U	10	3.8	ug/L		01/31/12 08:49	02/01/12 10:56	1
Zinc	10	I	20	8.3	ug/L		01/31/12 08:49	02/01/12 10:56	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		01/31/12 08:49	02/01/12 10:33	1
Arsenic	2.4	I	2.5	1.3	ug/L		01/31/12 08:49	02/01/12 10:33	1
Barium	4.0	I	5.0	1.3	ug/L		01/31/12 08:49	02/01/12 10:33	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/31/12 08:49	02/01/12 10:33	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/31/12 08:49	02/01/12 10:33	1
Chromium	2.5	U	5.0	2.5	ug/L		01/31/12 08:49	02/01/12 10:33	1
Cobalt	0.61		0.50	0.15	ug/L		01/31/12 08:49	02/01/12 10:33	1
Copper	1.1	U	5.0	1.1	ug/L		01/31/12 08:49	02/01/12 10:33	1
Iron	6200		100	33	ug/L		01/31/12 08:49	02/01/12 10:33	1
Lead	0.20	U	1.5	0.20	ug/L		01/31/12 08:49	02/01/12 10:33	1
Nickel	2.9	I	5.0	2.0	ug/L		01/31/12 08:49	02/01/12 10:33	1
Selenium	1.0	U	2.5	1.0	ug/L		01/31/12 08:49	02/01/12 10:33	1
Silver	0.25	U	1.0	0.25	ug/L		01/31/12 08:49	02/01/12 10:33	1
Sodium	4.6		0.50	0.25	mg/L		01/31/12 08:49	01/31/12 21:33	1
Thallium	0.50	U	1.0	0.50	ug/L		01/31/12 08:49	02/01/12 10:33	1
Vanadium	3.8	U	10	3.8	ug/L		01/31/12 08:49	02/01/12 10:33	1
Zinc	10	I	20	8.3	ug/L		01/31/12 08:49	02/01/12 10:33	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-10

Date Collected: 01/17/12 12:05

Date Received: 01/18/12 08:35

Lab Sample ID: 660-45734-2

Matrix: Ground Water

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		01/20/12 08:57	01/20/12 14:49	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		01/20/12 08:57	01/20/12 14:56	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.4		0.50	0.20	mg/L			01/27/12 10:18	1
Ammonia as N	0.010	U	0.020	0.010	mg/L			01/25/12 20:56	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/18/12 13:21	1
Total Dissolved Solids	22		5.0	5.0	mg/L			01/20/12 14:51	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Cloudy				Color Units			01/17/12 12:05	1
Field pH	4.51				SU			01/17/12 12:05	1
Field Temperature	22.6				Degrees C			01/17/12 12:05	1
Oxygen, Dissolved	0.37				mg/L			01/17/12 12:05	1
Specific Conductance	53				umhos/cm			01/17/12 12:05	1
Turbidity	75.1				NTU			01/17/12 12:05	1
Water Level	108.05				ft			01/17/12 12:05	1

Client Sample ID: MW-13

Date Collected: 01/17/12 13:00

Date Received: 01/18/12 08:35

Lab Sample ID: 660-45734-3

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			01/19/12 12:40	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/19/12 12:40	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/19/12 12:40	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/19/12 12:40	1
1,1-Dichloroethane	0.55	I	1.0	0.52	ug/L			01/19/12 12:40	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/19/12 12:40	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/19/12 12:40	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/19/12 12:40	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/19/12 12:40	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/19/12 12:40	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/19/12 12:40	1
1,4-Dichlorobenzene	2.8		1.0	0.52	ug/L			01/19/12 12:40	1
2-Butanone	8.4	U	10	8.4	ug/L			01/19/12 12:40	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/19/12 12:40	1
Acetone	9.9	U J3	20	9.9	ug/L			01/19/12 12:40	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/19/12 12:40	1
Benzene	0.50	U	1.0	0.50	ug/L			01/19/12 12:40	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/19/12 12:40	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/19/12 12:40	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/19/12 12:40	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/19/12 12:40	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-13

Lab Sample ID: 660-45734-3

Date Collected: 01/17/12 13:00

Matrix: Ground Water

Date Received: 01/18/12 08:35

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/19/12 12:40	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/19/12 12:40	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/19/12 12:40	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/19/12 12:40	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/19/12 12:40	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/19/12 12:40	1
cis-1,2-Dichloroethene	2.1		1.0	0.65	ug/L			01/19/12 12:40	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 12:40	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/19/12 12:40	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/19/12 12:40	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/19/12 12:40	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/19/12 12:40	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/19/12 12:40	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/19/12 12:40	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/19/12 12:40	1
Styrene	0.98	U	2.0	0.98	ug/L			01/19/12 12:40	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 12:40	1
Toluene	0.51	U	1.0	0.51	ug/L			01/19/12 12:40	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/19/12 12:40	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 12:40	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/19/12 12:40	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 12:40	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/19/12 12:40	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/19/12 12:40	1
Vinyl chloride	0.91	I	1.0	0.50	ug/L			01/19/12 12:40	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/19/12 12:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		70 - 130		01/19/12 12:40	1
Dibromofluoromethane	109		70 - 130		01/19/12 12:40	1
Toluene-d8 (Surr)	101		70 - 130		01/19/12 12:40	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	0.0098	U	0.020	0.0098	ug/L		01/20/12 10:24	01/20/12 18:12	1
Ethylene Dibromide	0.0098	U	0.020	0.0098	ug/L		01/20/12 10:24	01/20/12 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	85		60 - 140	01/20/12 10:24	01/20/12 18:12	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U J3	5.0	2.3	ug/L		01/24/12 16:38	01/26/12 12:34	1
Arsenic	4.0		2.5	1.3	ug/L		01/24/12 16:38	01/26/12 12:34	1
Barium	3.3	I	5.0	1.3	ug/L		01/24/12 16:38	01/26/12 12:34	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/24/12 16:38	01/26/12 12:34	1
Cadmium	0.11	I	0.50	0.095	ug/L		01/24/12 16:38	01/26/12 12:34	1
Chromium	2.7	I	5.0	2.5	ug/L		01/24/12 16:38	01/26/12 12:34	1
Cobalt	6.6		0.50	0.15	ug/L		01/24/12 16:38	01/26/12 12:34	1
Copper	1.1	U	5.0	1.1	ug/L		01/24/12 16:38	01/26/12 12:34	1
Iron	3000		100	33	ug/L		01/24/12 16:38	01/26/12 12:34	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-13

Lab Sample ID: 660-45734-3

Date Collected: 01/17/12 13:00

Matrix: Ground Water

Date Received: 01/18/12 08:35

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.20	U	1.5	0.20	ug/L		01/24/12 16:38	01/26/12 12:34	1
Nickel	4.4	I	5.0	2.0	ug/L		01/24/12 16:38	01/26/12 12:34	1
Selenium	1.0	U	2.5	1.0	ug/L		01/24/12 16:38	01/26/12 12:34	1
Silver	0.25	U	1.0	0.25	ug/L		01/24/12 16:38	01/26/12 12:34	1
Sodium	3.1		0.50	0.25	mg/L		01/24/12 16:38	01/26/12 12:34	1
Thallium	0.50	U	1.0	0.50	ug/L		01/24/12 16:38	01/26/12 12:34	1
Vanadium	3.8	U	10	3.8	ug/L		01/24/12 16:38	01/26/12 12:34	1
Zinc	8.3	U	20	8.3	ug/L		01/24/12 16:38	01/26/12 12:34	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		01/25/12 09:09	01/25/12 13:18	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.2		0.50	0.20	mg/L			01/27/12 10:34	1
Ammonia as N	0.010	U	0.020	0.010	mg/L			01/25/12 20:57	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/18/12 13:26	1
Total Dissolved Solids	36		5.0	5.0	mg/L			01/20/12 14:52	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/17/12 13:00	1
Field pH	5.14				SU			01/17/12 13:00	1
Field Temperature	23.2				Degrees C			01/17/12 13:00	1
Oxygen, Dissolved	0.46				mg/L			01/17/12 13:00	1
Specific Conductance	77				umhos/cm			01/17/12 13:00	1
Turbidity	4.71				NTU			01/17/12 13:00	1
Water Level	107.26				ft			01/17/12 13:00	1

Client Sample ID: MW-14

Lab Sample ID: 660-45734-4

Date Collected: 01/17/12 11:20

Matrix: Ground Water

Date Received: 01/18/12 08:35

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			01/19/12 13:02	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/19/12 13:02	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/19/12 13:02	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/19/12 13:02	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/19/12 13:02	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/19/12 13:02	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/19/12 13:02	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/19/12 13:02	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/19/12 13:02	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/19/12 13:02	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/19/12 13:02	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/19/12 13:02	1
2-Butanone	8.4	U	10	8.4	ug/L			01/19/12 13:02	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/19/12 13:02	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-14

Lab Sample ID: 660-45734-4

Date Collected: 01/17/12 11:20

Matrix: Ground Water

Date Received: 01/18/12 08:35

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.9	U J3	20	9.9	ug/L			01/19/12 13:02	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/19/12 13:02	1
Benzene	0.50	U	1.0	0.50	ug/L			01/19/12 13:02	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/19/12 13:02	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/19/12 13:02	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/19/12 13:02	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/19/12 13:02	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/19/12 13:02	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/19/12 13:02	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/19/12 13:02	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/19/12 13:02	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/19/12 13:02	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/19/12 13:02	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/19/12 13:02	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 13:02	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/19/12 13:02	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/19/12 13:02	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/19/12 13:02	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/19/12 13:02	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/19/12 13:02	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/19/12 13:02	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/19/12 13:02	1
Styrene	0.98	U	2.0	0.98	ug/L			01/19/12 13:02	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 13:02	1
Toluene	0.51	U	1.0	0.51	ug/L			01/19/12 13:02	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/19/12 13:02	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 13:02	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/19/12 13:02	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 13:02	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/19/12 13:02	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/19/12 13:02	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/19/12 13:02	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/19/12 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130		01/19/12 13:02	1
Dibromofluoromethane	111		70 - 130		01/19/12 13:02	1
Toluene-d8 (Surr)	101		70 - 130		01/19/12 13:02	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	0.0099	U	0.020	0.0099	ug/L		01/20/12 10:24	01/20/12 18:47	1
Ethylene Dibromide	0.0099	U	0.020	0.0099	ug/L		01/20/12 10:24	01/20/12 18:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	97		60 - 140	01/20/12 10:24	01/20/12 18:47	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U J3	5.0	2.3	ug/L		01/24/12 16:38	01/26/12 12:39	1
Arsenic	1.3	U	2.5	1.3	ug/L		01/24/12 16:38	01/26/12 12:39	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-14

Date Collected: 01/17/12 11:20

Date Received: 01/18/12 08:35

Lab Sample ID: 660-45734-4

Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	15		5.0	1.3	ug/L		01/24/12 16:38	01/26/12 12:39	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/24/12 16:38	01/26/12 12:39	1
Cadmium	0.55		0.50	0.095	ug/L		01/24/12 16:38	01/26/12 12:39	1
Chromium	2.5	U	5.0	2.5	ug/L		01/24/12 16:38	01/26/12 12:39	1
Cobalt	0.89		0.50	0.15	ug/L		01/24/12 16:38	01/26/12 12:39	1
Copper	1.1	U	5.0	1.1	ug/L		01/24/12 16:38	01/26/12 12:39	1
Iron	81	I	100	33	ug/L		01/24/12 16:38	01/26/12 12:39	1
Lead	0.20	U	1.5	0.20	ug/L		01/24/12 16:38	01/26/12 12:39	1
Nickel	2.0	U	5.0	2.0	ug/L		01/24/12 16:38	01/26/12 12:39	1
Selenium	1.0	U	2.5	1.0	ug/L		01/24/12 16:38	01/26/12 12:39	1
Silver	0.25	U	1.0	0.25	ug/L		01/24/12 16:38	01/26/12 12:39	1
Sodium	3.1		0.50	0.25	mg/L		01/24/12 16:38	01/26/12 12:39	1
Thallium	0.50	U	1.0	0.50	ug/L		01/24/12 16:38	01/26/12 12:39	1
Vanadium	3.8	U	10	3.8	ug/L		01/24/12 16:38	01/26/12 12:39	1
Zinc	8.3	U	20	8.3	ug/L		01/24/12 16:38	01/26/12 12:39	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		01/25/12 09:09	01/25/12 13:21	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.4	J3	0.50	0.20	mg/L			01/27/12 10:50	1
Ammonia as N	0.010	U	0.020	0.010	mg/L			01/25/12 20:58	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/18/12 13:27	1
Total Dissolved Solids	230		10	10	mg/L			01/20/12 14:53	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/17/12 11:20	1
Field pH	6.72				SU			01/17/12 11:20	1
Field Temperature	23.0				Degrees C			01/17/12 11:20	1
Oxygen, Dissolved	0.36				mg/L			01/17/12 11:20	1
Specific Conductance	471				umhos/cm			01/17/12 11:20	1
Turbidity	2.18				NTU			01/17/12 11:20	1
Water Level	104.04				ft			01/17/12 11:20	1

Client Sample ID: MW-15

Date Collected: 01/17/12 12:20

Date Received: 01/18/12 08:35

Lab Sample ID: 660-45734-5

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			01/19/12 13:25	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/19/12 13:25	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/19/12 13:25	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/19/12 13:25	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/19/12 13:25	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/19/12 13:25	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/19/12 13:25	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-15

Lab Sample ID: 660-45734-5

Date Collected: 01/17/12 12:20

Matrix: Ground Water

Date Received: 01/18/12 08:35

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			01/19/12 13:25	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/19/12 13:25	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/19/12 13:25	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/19/12 13:25	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/19/12 13:25	1
2-Butanone	8.4	U	10	8.4	ug/L			01/19/12 13:25	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/19/12 13:25	1
Acetone	9.9	U J3	20	9.9	ug/L			01/19/12 13:25	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/19/12 13:25	1
Benzene	0.54	I	1.0	0.50	ug/L			01/19/12 13:25	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/19/12 13:25	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/19/12 13:25	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/19/12 13:25	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/19/12 13:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/19/12 13:25	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/19/12 13:25	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/19/12 13:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/19/12 13:25	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/19/12 13:25	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/19/12 13:25	1
cis-1,2-Dichloroethene	3.1		1.0	0.65	ug/L			01/19/12 13:25	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 13:25	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/19/12 13:25	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/19/12 13:25	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/19/12 13:25	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/19/12 13:25	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/19/12 13:25	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/19/12 13:25	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/19/12 13:25	1
Styrene	0.98	U	2.0	0.98	ug/L			01/19/12 13:25	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 13:25	1
Toluene	0.51	U	1.0	0.51	ug/L			01/19/12 13:25	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/19/12 13:25	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 13:25	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/19/12 13:25	1
Trichloroethene	0.94	I	1.0	0.50	ug/L			01/19/12 13:25	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/19/12 13:25	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/19/12 13:25	1
Vinyl chloride	0.59	I	1.0	0.50	ug/L			01/19/12 13:25	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/19/12 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		01/19/12 13:25	1
Dibromofluoromethane	110		70 - 130		01/19/12 13:25	1
Toluene-d8 (Surr)	102		70 - 130		01/19/12 13:25	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	0.0097	U	0.019	0.0097	ug/L		01/20/12 10:24	01/20/12 19:05	1
Ethylene Dibromide	0.0097	U	0.019	0.0097	ug/L		01/20/12 10:24	01/20/12 19:05	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-15

Date Collected: 01/17/12 12:20

Date Received: 01/18/12 08:35

Lab Sample ID: 660-45734-5

Matrix: Ground Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	85		60 - 140	01/20/12 10:24	01/20/12 19:05	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U J3	5.0	2.3	ug/L		01/24/12 16:38	01/26/12 12:45	1
Arsenic	5.6		2.5	1.3	ug/L		01/24/12 16:38	01/26/12 12:45	1
Barium	2.0	I	5.0	1.3	ug/L		01/24/12 16:38	01/26/12 12:45	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/24/12 16:38	01/26/12 12:45	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/24/12 16:38	01/26/12 12:45	1
Chromium	2.5	U	5.0	2.5	ug/L		01/24/12 16:38	01/26/12 12:45	1
Cobalt	0.29	I	0.50	0.15	ug/L		01/24/12 16:38	01/26/12 12:45	1
Copper	1.1	U	5.0	1.1	ug/L		01/24/12 16:38	01/26/12 12:45	1
Iron	6100		100	33	ug/L		01/24/12 16:38	01/26/12 12:45	1
Lead	0.20	U	1.5	0.20	ug/L		01/24/12 16:38	01/26/12 12:45	1
Nickel	2.0	U	5.0	2.0	ug/L		01/24/12 16:38	01/26/12 12:45	1
Selenium	1.0	U	2.5	1.0	ug/L		01/24/12 16:38	01/26/12 12:45	1
Silver	0.25	U	1.0	0.25	ug/L		01/24/12 16:38	01/26/12 12:45	1
Sodium	1.8		0.50	0.25	mg/L		01/24/12 16:38	01/26/12 12:45	1
Thallium	0.50	U	1.0	0.50	ug/L		01/24/12 16:38	01/26/12 12:45	1
Vanadium	3.8	U	10	3.8	ug/L		01/24/12 16:38	01/26/12 12:45	1
Zinc	13	I	20	8.3	ug/L		01/24/12 16:38	01/26/12 12:45	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		01/25/12 09:09	01/25/12 13:24	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.0		0.50	0.20	mg/L			01/27/12 11:05	1
Ammonia as N	0.025	J3	0.020	0.010	mg/L			01/25/12 21:02	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/18/12 13:28	1
Total Dissolved Solids	6.0		5.0	5.0	mg/L			01/20/12 14:53	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/17/12 12:20	1
Field pH	4.29				SU			01/17/12 12:20	1
Field Temperature	22.1				Degrees C			01/17/12 12:20	1
Oxygen, Dissolved	0.14				mg/L			01/17/12 12:20	1
Specific Conductance	41				umhos/cm			01/17/12 12:20	1
Turbidity	1.06				NTU			01/17/12 12:20	1
Water Level	118.73				ft			01/17/12 12:20	1

Client Sample ID: MW-17

Date Collected: 01/17/12 13:31

Date Received: 01/18/12 08:35

Lab Sample ID: 660-45734-6

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			01/19/12 13:48	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/19/12 13:48	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-17

Lab Sample ID: 660-45734-6

Date Collected: 01/17/12 13:31

Matrix: Ground Water

Date Received: 01/18/12 08:35

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/19/12 13:48	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/19/12 13:48	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/19/12 13:48	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/19/12 13:48	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/19/12 13:48	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/19/12 13:48	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/19/12 13:48	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/19/12 13:48	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/19/12 13:48	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/19/12 13:48	1
2-Butanone	8.4	U	10	8.4	ug/L			01/19/12 13:48	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/19/12 13:48	1
Acetone	9.9	U J3	20	9.9	ug/L			01/19/12 13:48	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/19/12 13:48	1
Benzene	0.50	U	1.0	0.50	ug/L			01/19/12 13:48	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/19/12 13:48	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/19/12 13:48	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/19/12 13:48	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/19/12 13:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/19/12 13:48	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/19/12 13:48	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/19/12 13:48	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/19/12 13:48	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/19/12 13:48	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/19/12 13:48	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/19/12 13:48	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 13:48	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/19/12 13:48	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/19/12 13:48	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/19/12 13:48	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/19/12 13:48	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/19/12 13:48	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/19/12 13:48	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/19/12 13:48	1
Styrene	0.98	U	2.0	0.98	ug/L			01/19/12 13:48	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 13:48	1
Toluene	0.51	U	1.0	0.51	ug/L			01/19/12 13:48	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/19/12 13:48	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 13:48	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/19/12 13:48	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 13:48	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/19/12 13:48	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/19/12 13:48	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/19/12 13:48	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/19/12 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		01/19/12 13:48	1
Dibromofluoromethane	110		70 - 130		01/19/12 13:48	1
Toluene-d8 (Surr)	101		70 - 130		01/19/12 13:48	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-17

Lab Sample ID: 660-45734-6

Date Collected: 01/17/12 13:31

Matrix: Ground Water

Date Received: 01/18/12 08:35

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	0.0097	U	0.019	0.0097	ug/L		01/20/12 10:24	01/20/12 19:23	1
Ethylene Dibromide	0.0097	U	0.019	0.0097	ug/L		01/20/12 10:24	01/20/12 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	80		60 - 140				01/20/12 10:24	01/20/12 19:23	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U J3	5.0	2.3	ug/L		01/24/12 16:38	01/26/12 12:51	1
Arsenic	2.7		2.5	1.3	ug/L		01/24/12 16:38	01/26/12 12:51	1
Barium	4.4	I	5.0	1.3	ug/L		01/24/12 16:38	01/26/12 12:51	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/24/12 16:38	01/26/12 12:51	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/24/12 16:38	01/26/12 12:51	1
Chromium	2.5	U	5.0	2.5	ug/L		01/24/12 16:38	01/26/12 12:51	1
Cobalt	5.8		0.50	0.15	ug/L		01/24/12 16:38	01/26/12 12:51	1
Copper	1.1	U	5.0	1.1	ug/L		01/24/12 16:38	01/26/12 12:51	1
Iron	7600		100	33	ug/L		01/24/12 16:38	01/26/12 12:51	1
Lead	0.20	U	1.5	0.20	ug/L		01/24/12 16:38	01/26/12 12:51	1
Nickel	2.5	I	5.0	2.0	ug/L		01/24/12 16:38	01/26/12 12:51	1
Selenium	1.0	U	2.5	1.0	ug/L		01/24/12 16:38	01/26/12 12:51	1
Silver	0.25	U	1.0	0.25	ug/L		01/24/12 16:38	01/26/12 12:51	1
Sodium	3.1		0.50	0.25	mg/L		01/24/12 16:38	01/26/12 12:51	1
Thallium	0.50	U	1.0	0.50	ug/L		01/24/12 16:38	01/26/12 12:51	1
Vanadium	3.8	U	10	3.8	ug/L		01/24/12 16:38	01/26/12 12:51	1
Zinc	8.3	U	20	8.3	ug/L		01/24/12 16:38	01/26/12 12:51	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		01/25/12 09:09	01/25/12 13:28	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.5		0.50	0.20	mg/L			01/27/12 11:21	1
Ammonia as N	0.047		0.020	0.010	mg/L			01/25/12 21:06	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/18/12 13:30	1
Total Dissolved Solids	22		5.0	5.0	mg/L			01/20/12 14:54	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/17/12 13:31	1
Field pH	4.92				SU			01/17/12 13:31	1
Field Temperature	23.3				Degrees C			01/17/12 13:31	1
Oxygen, Dissolved	0.12				mg/L			01/17/12 13:31	1
Specific Conductance	55				umhos/cm			01/17/12 13:31	1
Turbidity	3.53				NTU			01/17/12 13:31	1
Water Level	106.24				ft			01/17/12 13:31	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-21

Lab Sample ID: 660-45734-7

Date Collected: 01/17/12 10:15

Matrix: Ground Water

Date Received: 01/18/12 08:35

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			01/19/12 14:08	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/19/12 14:08	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/19/12 14:08	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/19/12 14:08	1
1,1-Dichloroethane	0.53	I	1.0	0.52	ug/L			01/19/12 14:08	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/19/12 14:08	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/19/12 14:08	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/19/12 14:08	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/19/12 14:08	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/19/12 14:08	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/19/12 14:08	1
1,4-Dichlorobenzene	13		1.0	0.52	ug/L			01/19/12 14:08	1
2-Butanone	8.4	U	10	8.4	ug/L			01/19/12 14:08	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/19/12 14:08	1
Acetone	9.9	U J3	20	9.9	ug/L			01/19/12 14:08	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/19/12 14:08	1
Benzene	2.8		1.0	0.50	ug/L			01/19/12 14:08	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/19/12 14:08	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/19/12 14:08	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/19/12 14:08	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/19/12 14:08	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/19/12 14:08	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/19/12 14:08	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/19/12 14:08	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/19/12 14:08	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/19/12 14:08	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/19/12 14:08	1
cis-1,2-Dichloroethene	2.2		1.0	0.65	ug/L			01/19/12 14:08	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 14:08	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/19/12 14:08	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/19/12 14:08	1
Ethylbenzene	1.7		1.0	0.44	ug/L			01/19/12 14:08	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/19/12 14:08	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/19/12 14:08	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/19/12 14:08	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/19/12 14:08	1
Styrene	0.98	U	2.0	0.98	ug/L			01/19/12 14:08	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 14:08	1
Toluene	0.51	U	1.0	0.51	ug/L			01/19/12 14:08	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/19/12 14:08	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 14:08	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/19/12 14:08	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 14:08	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/19/12 14:08	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/19/12 14:08	1
Vinyl chloride	1.1		1.0	0.50	ug/L			01/19/12 14:08	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/19/12 14:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130		01/19/12 14:08	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-21

Lab Sample ID: 660-45734-7

Date Collected: 01/17/12 10:15

Matrix: Ground Water

Date Received: 01/18/12 08:35

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	108		70 - 130		01/19/12 14:08	1
Toluene-d8 (Surr)	101		70 - 130		01/19/12 14:08	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	0.0099	U	0.020	0.0099	ug/L		01/20/12 10:24	01/20/12 19:40	1
Ethylene Dibromide	0.0099	U	0.020	0.0099	ug/L		01/20/12 10:24	01/20/12 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	101		60 - 140	01/20/12 10:24	01/20/12 19:40	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U J3	5.0	2.3	ug/L		01/24/12 16:38	01/26/12 13:42	1
Arsenic	2.7		2.5	1.3	ug/L		01/24/12 16:38	01/26/12 13:42	1
Barium	35		5.0	1.3	ug/L		01/24/12 16:38	01/26/12 13:42	1
Beryllium	0.28	I	0.50	0.25	ug/L		01/24/12 16:38	01/26/12 13:42	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/24/12 16:38	01/26/12 13:42	1
Chromium	5.2		5.0	2.5	ug/L		01/24/12 16:38	01/26/12 13:42	1
Cobalt	0.77		0.50	0.15	ug/L		01/24/12 16:38	01/26/12 13:42	1
Copper	1.8	I	5.0	1.1	ug/L		01/24/12 16:38	01/26/12 13:42	1
Iron	1500		100	33	ug/L		01/24/12 16:38	01/26/12 13:42	1
Lead	1.9		1.5	0.20	ug/L		01/24/12 16:38	01/26/12 13:42	1
Nickel	2.0	U	5.0	2.0	ug/L		01/24/12 16:38	01/26/12 13:42	1
Selenium	1.0	U	2.5	1.0	ug/L		01/24/12 16:38	01/26/12 13:42	1
Silver	0.25	U	1.0	0.25	ug/L		01/24/12 16:38	01/26/12 13:42	1
Sodium	1.8		0.50	0.25	mg/L		01/24/12 16:38	01/26/12 13:42	1
Thallium	0.50	U	1.0	0.50	ug/L		01/24/12 16:38	01/26/12 13:42	1
Vanadium	3.8	U	10	3.8	ug/L		01/24/12 16:38	01/26/12 13:42	1
Zinc	8.3	U	20	8.3	ug/L		01/24/12 16:38	01/26/12 13:42	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U J3	5.0	2.3	ug/L		01/24/12 16:38	01/26/12 13:36	1
Arsenic	2.5		2.5	1.3	ug/L		01/24/12 16:38	01/26/12 13:36	1
Barium	1.3	I	5.0	1.3	ug/L		01/24/12 16:38	01/26/12 13:36	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/24/12 16:38	01/26/12 13:36	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/24/12 16:38	01/26/12 13:36	1
Chromium	2.5	U	5.0	2.5	ug/L		01/24/12 16:38	01/26/12 13:36	1
Cobalt	0.60		0.50	0.15	ug/L		01/24/12 16:38	01/26/12 13:36	1
Copper	1.1	U	5.0	1.1	ug/L		01/24/12 16:38	01/26/12 13:36	1
Iron	990		100	33	ug/L		01/24/12 16:38	01/26/12 13:36	1
Lead	0.20	U	1.5	0.20	ug/L		01/24/12 16:38	01/26/12 13:36	1
Nickel	2.0	U	5.0	2.0	ug/L		01/24/12 16:38	01/26/12 13:36	1
Selenium	1.0	U	2.5	1.0	ug/L		01/24/12 16:38	01/26/12 13:36	1
Silver	0.25	U	1.0	0.25	ug/L		01/24/12 16:38	01/26/12 13:36	1
Sodium	1.8		0.50	0.25	mg/L		01/24/12 16:38	01/26/12 13:36	1
Thallium	0.50	U	1.0	0.50	ug/L		01/24/12 16:38	01/26/12 13:36	1
Vanadium	3.8	U	10	3.8	ug/L		01/24/12 16:38	01/26/12 13:36	1
Zinc	8.3	U	20	8.3	ug/L		01/24/12 16:38	01/26/12 13:36	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-21

Lab Sample ID: 660-45734-7

Date Collected: 01/17/12 10:15

Matrix: Ground Water

Date Received: 01/18/12 08:35

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		01/20/12 08:57	01/20/12 14:52	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		01/20/12 10:16	01/20/12 14:59	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.1		0.50	0.20	mg/L			01/27/12 11:37	1
Ammonia as N	1.7		0.020	0.010	mg/L			01/25/12 21:07	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/18/12 13:38	1
Total Dissolved Solids	24		5.0	5.0	mg/L			01/20/12 14:54	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Cloudy				Color Units			01/17/12 10:15	1
Field pH	4.56				SU			01/17/12 10:15	1
Field Temperature	23.1				Degrees C			01/17/12 10:15	1
Oxygen, Dissolved	0.41				mg/L			01/17/12 10:15	1
Specific Conductance	79				umhos/cm			01/17/12 10:15	1
Turbidity	55.9				NTU			01/17/12 10:15	1
Water Level	110.30				ft			01/17/12 10:15	1

Client Sample ID: Trip Blank 1 45734

Lab Sample ID: 660-45734-8

Date Collected: 01/17/12 00:00

Matrix: Ground Water

Date Received: 01/18/12 08:35

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			01/19/12 11:38	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/19/12 11:38	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/19/12 11:38	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/19/12 11:38	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/19/12 11:38	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/19/12 11:38	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/19/12 11:38	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/19/12 11:38	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/19/12 11:38	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/19/12 11:38	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/19/12 11:38	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/19/12 11:38	1
2-Butanone	8.4	U	10	8.4	ug/L			01/19/12 11:38	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/19/12 11:38	1
Acetone	9.9	U J3	20	9.9	ug/L			01/19/12 11:38	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/19/12 11:38	1
Benzene	0.50	U	1.0	0.50	ug/L			01/19/12 11:38	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/19/12 11:38	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/19/12 11:38	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/19/12 11:38	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/19/12 11:38	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: Trip Blank 1 45734

Lab Sample ID: 660-45734-8

Date Collected: 01/17/12 00:00

Matrix: Ground Water

Date Received: 01/18/12 08:35

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/19/12 11:38	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/19/12 11:38	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/19/12 11:38	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/19/12 11:38	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/19/12 11:38	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/19/12 11:38	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/19/12 11:38	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 11:38	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/19/12 11:38	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/19/12 11:38	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/19/12 11:38	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/19/12 11:38	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/19/12 11:38	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/19/12 11:38	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/19/12 11:38	1
Styrene	0.98	U	2.0	0.98	ug/L			01/19/12 11:38	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 11:38	1
Toluene	0.51	U	1.0	0.51	ug/L			01/19/12 11:38	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/19/12 11:38	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 11:38	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/19/12 11:38	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 11:38	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/19/12 11:38	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/19/12 11:38	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/19/12 11:38	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/19/12 11:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		70 - 130					01/19/12 11:38	1
Dibromofluoromethane	111		70 - 130					01/19/12 11:38	1
Toluene-d8 (Surr)	100		70 - 130					01/19/12 11:38	1

Client Sample ID: Trip Blank 2 45734

Lab Sample ID: 660-45734-9

Date Collected: 01/17/12 00:00

Matrix: Ground Water

Date Received: 01/18/12 08:35

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			01/19/12 11:59	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/19/12 11:59	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/19/12 11:59	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/19/12 11:59	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/19/12 11:59	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/19/12 11:59	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/19/12 11:59	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/19/12 11:59	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/19/12 11:59	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/19/12 11:59	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/19/12 11:59	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/19/12 11:59	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: Trip Blank 2 45734

Lab Sample ID: 660-45734-9

Date Collected: 01/17/12 00:00

Matrix: Ground Water

Date Received: 01/18/12 08:35

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	8.4	U	10	8.4	ug/L			01/19/12 11:59	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/19/12 11:59	1
Acetone	9.9	U J3	20	9.9	ug/L			01/19/12 11:59	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/19/12 11:59	1
Benzene	0.50	U	1.0	0.50	ug/L			01/19/12 11:59	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/19/12 11:59	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/19/12 11:59	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/19/12 11:59	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/19/12 11:59	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/19/12 11:59	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/19/12 11:59	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/19/12 11:59	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/19/12 11:59	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/19/12 11:59	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/19/12 11:59	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/19/12 11:59	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 11:59	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/19/12 11:59	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/19/12 11:59	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/19/12 11:59	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/19/12 11:59	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/19/12 11:59	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/19/12 11:59	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/19/12 11:59	1
Styrene	0.98	U	2.0	0.98	ug/L			01/19/12 11:59	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 11:59	1
Toluene	0.51	U	1.0	0.51	ug/L			01/19/12 11:59	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/19/12 11:59	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 11:59	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/19/12 11:59	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 11:59	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/19/12 11:59	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/19/12 11:59	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/19/12 11:59	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/19/12 11:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130					01/19/12 11:59	1
Dibromofluoromethane	108		70 - 130					01/19/12 11:59	1
Toluene-d8 (Surr)	101		70 - 130					01/19/12 11:59	1

Client Sample ID: MW-6

Lab Sample ID: 660-45781-1

Date Collected: 01/18/12 11:38

Matrix: Ground Water

Date Received: 01/19/12 08:35

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			01/20/12 10:50	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/20/12 10:50	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/20/12 10:50	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-6

Lab Sample ID: 660-45781-1

Date Collected: 01/18/12 11:38

Matrix: Ground Water

Date Received: 01/19/12 08:35

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/20/12 10:50	1
1,1-Dichloroethane	0.57	I	1.0	0.52	ug/L			01/20/12 10:50	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/20/12 10:50	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/20/12 10:50	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/20/12 10:50	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/20/12 10:50	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/20/12 10:50	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/20/12 10:50	1
1,4-Dichlorobenzene	0.66	I	1.0	0.52	ug/L			01/20/12 10:50	1
2-Butanone	8.4	U	10	8.4	ug/L			01/20/12 10:50	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/20/12 10:50	1
Acetone	9.9	U	20	9.9	ug/L			01/20/12 10:50	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/20/12 10:50	1
Benzene	0.69	I	1.0	0.50	ug/L			01/20/12 10:50	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/20/12 10:50	1
Bromodichloromethane	0.75	I	1.0	0.35	ug/L			01/20/12 10:50	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/20/12 10:50	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/20/12 10:50	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/20/12 10:50	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/20/12 10:50	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/20/12 10:50	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/20/12 10:50	1
Chloroform	1.3		1.0	0.90	ug/L			01/20/12 10:50	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/20/12 10:50	1
cis-1,2-Dichloroethene	0.86	I	1.0	0.65	ug/L			01/20/12 10:50	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/20/12 10:50	1
Dibromochloromethane	0.51	I	1.0	0.34	ug/L			01/20/12 10:50	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/20/12 10:50	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/20/12 10:50	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/20/12 10:50	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/20/12 10:50	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/20/12 10:50	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/20/12 10:50	1
Styrene	0.98	U	2.0	0.98	ug/L			01/20/12 10:50	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/20/12 10:50	1
Toluene	0.51	U	1.0	0.51	ug/L			01/20/12 10:50	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/20/12 10:50	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/20/12 10:50	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/20/12 10:50	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/20/12 10:50	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/20/12 10:50	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			01/20/12 10:50	1
Vinyl chloride	2.0		1.0	0.50	ug/L			01/20/12 10:50	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/20/12 10:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		70 - 130		01/20/12 10:50	1
Dibromofluoromethane	102		70 - 130		01/20/12 10:50	1
Toluene-d8 (Surr)	99		70 - 130		01/20/12 10:50	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-6

Lab Sample ID: 660-45781-1

Date Collected: 01/18/12 11:38

Matrix: Ground Water

Date Received: 01/19/12 08:35

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	0.0097	U	0.019	0.0097	ug/L		01/20/12 10:24	01/20/12 22:19	1
Ethylene Dibromide	0.0097	U	0.019	0.0097	ug/L		01/20/12 10:24	01/20/12 22:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	102		60 - 140				01/20/12 10:24	01/20/12 22:19	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		01/24/12 12:03	01/25/12 18:43	1
Arsenic	1.3	U	2.5	1.3	ug/L		01/24/12 12:03	01/25/12 18:43	1
Barium	90		5.0	1.3	ug/L		01/24/12 12:03	01/25/12 18:43	1
Beryllium	0.53		0.50	0.25	ug/L		01/24/12 12:03	01/25/12 18:43	1
Lead	2.9		1.5	0.20	ug/L		01/24/12 12:03	01/25/12 18:43	1
Selenium	1.0	U	2.5	1.0	ug/L		01/24/12 12:03	01/25/12 18:43	1
Cadmium	0.34	I	0.50	0.095	ug/L		01/24/12 12:03	01/25/12 18:43	1
Silver	0.25	U	1.0	0.25	ug/L		01/24/12 12:03	01/25/12 18:43	1
Chromium	2.5	U	5.0	2.5	ug/L		01/24/12 12:03	01/25/12 18:43	1
Nickel	28		5.0	2.0	ug/L		01/24/12 12:03	01/25/12 18:43	1
Cobalt	2.4		0.50	0.15	ug/L		01/24/12 12:03	01/25/12 18:43	1
Copper	9.5		5.0	1.1	ug/L		01/24/12 12:03	01/25/12 18:43	1
Iron	700		100	33	ug/L		01/24/12 12:03	01/25/12 09:00	1
Vanadium	3.8	U	10	3.8	ug/L		01/24/12 12:03	01/25/12 18:43	1
Zinc	15	I	20	8.3	ug/L		01/24/12 12:03	01/25/12 18:43	1
Thallium	0.50	U	1.0	0.50	ug/L		01/24/12 12:03	01/25/12 18:43	1
Sodium	110		0.50	0.25	mg/L		01/24/12 12:03	01/25/12 09:00	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		01/25/12 09:01	01/25/12 13:05	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250	J3	5.0	2.0	mg/L			01/26/12 17:16	10
Ammonia as N	0.96		0.020	0.010	mg/L			01/25/12 20:06	1
Total Dissolved Solids	350		17	17	mg/L			01/20/12 14:57	1

General Chemistry - DL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	2.2		1.0	0.20	mg/L			01/19/12 13:58	2

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/18/12 11:38	1
Field pH	4.15				SU			01/18/12 11:38	1
Field Temperature	23.3				Degrees C			01/18/12 11:38	1
Oxygen, Dissolved	0.21				mg/L			01/18/12 11:38	1
Specific Conductance	792				umhos/cm			01/18/12 11:38	1
Turbidity	1.22				NTU			01/18/12 11:38	1
Water Level	112.55				ft			01/18/12 11:38	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-6

Date Collected: 01/18/12 11:38

Date Received: 01/19/12 08:35

Lab Sample ID: 660-45781-1

Matrix: Ground Water

Method: SM 9222D by E83012 - Microbiology

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fecal Coliform	1	U	1	1	CFU/100 ml		01/18/12 15:27	01/19/12 13:35	1.00

Client Sample ID: MW-11

Date Collected: 01/18/12 08:44

Date Received: 01/19/12 08:35

Lab Sample ID: 660-45783-1

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			01/20/12 11:08	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/20/12 11:08	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/20/12 11:08	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/20/12 11:08	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/20/12 11:08	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/20/12 11:08	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/20/12 11:08	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/20/12 11:08	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/20/12 11:08	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/20/12 11:08	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/20/12 11:08	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/20/12 11:08	1
2-Butanone	8.4	U	10	8.4	ug/L			01/20/12 11:08	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/20/12 11:08	1
Acetone	9.9	U	20	9.9	ug/L			01/20/12 11:08	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/20/12 11:08	1
Benzene	0.50	U	1.0	0.50	ug/L			01/20/12 11:08	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/20/12 11:08	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/20/12 11:08	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/20/12 11:08	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/20/12 11:08	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/20/12 11:08	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/20/12 11:08	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/20/12 11:08	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/20/12 11:08	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/20/12 11:08	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/20/12 11:08	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/20/12 11:08	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/20/12 11:08	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/20/12 11:08	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/20/12 11:08	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/20/12 11:08	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/20/12 11:08	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/20/12 11:08	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/20/12 11:08	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/20/12 11:08	1
Styrene	0.98	U	2.0	0.98	ug/L			01/20/12 11:08	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/20/12 11:08	1
Toluene	0.51	U	1.0	0.51	ug/L			01/20/12 11:08	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/20/12 11:08	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/20/12 11:08	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-11

Lab Sample ID: 660-45783-1

Date Collected: 01/18/12 08:44

Matrix: Ground Water

Date Received: 01/19/12 08:35

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/20/12 11:08	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/20/12 11:08	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/20/12 11:08	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			01/20/12 11:08	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/20/12 11:08	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/20/12 11:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		70 - 130					01/20/12 11:08	1
Dibromofluoromethane	100		70 - 130					01/20/12 11:08	1
Toluene-d8 (Surr)	100		70 - 130					01/20/12 11:08	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	0.0097	U	0.019	0.0097	ug/L		01/20/12 10:24	01/20/12 19:58	1
Ethylene Dibromide	0.0097	U	0.019	0.0097	ug/L		01/20/12 10:24	01/20/12 19:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	109		60 - 140				01/20/12 10:24	01/20/12 19:58	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		01/24/12 12:03	01/25/12 18:50	1
Arsenic	1.3	U	2.5	1.3	ug/L		01/24/12 12:03	01/25/12 18:50	1
Barium	22		5.0	1.3	ug/L		01/24/12 12:03	01/25/12 18:50	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/24/12 12:03	01/25/12 18:50	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/24/12 12:03	01/25/12 18:50	1
Chromium	2.5	U	5.0	2.5	ug/L		01/24/12 12:03	01/25/12 18:50	1
Cobalt	0.15	U	0.50	0.15	ug/L		01/24/12 12:03	01/25/12 18:50	1
Copper	1.1	U	5.0	1.1	ug/L		01/24/12 12:03	01/25/12 18:50	1
Iron	33	I	100	33	ug/L		01/24/12 12:03	01/25/12 09:08	1
Lead	0.20	U	1.5	0.20	ug/L		01/24/12 12:03	01/25/12 18:50	1
Nickel	2.0	U	5.0	2.0	ug/L		01/24/12 12:03	01/25/12 18:50	1
Selenium	1.0	U	2.5	1.0	ug/L		01/24/12 12:03	01/25/12 18:50	1
Silver	0.25	U	1.0	0.25	ug/L		01/24/12 12:03	01/25/12 18:50	1
Sodium	3.3		0.50	0.25	mg/L		01/24/12 12:03	01/25/12 09:08	1
Thallium	0.71	I	1.0	0.50	ug/L		01/24/12 12:03	01/25/12 18:50	1
Vanadium	3.8	U	10	3.8	ug/L		01/24/12 12:03	01/25/12 18:50	1
Zinc	8.3	U	20	8.3	ug/L		01/24/12 12:03	01/25/12 18:50	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		01/25/12 09:09	01/25/12 13:37	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.8		0.50	0.20	mg/L			01/26/12 11:47	1
Ammonia as N	0.010	U	0.020	0.010	mg/L			01/25/12 20:07	1
Nitrate as N	0.23	I	0.50	0.10	mg/L			01/19/12 13:49	1
Total Dissolved Solids	220		5.0	5.0	mg/L			01/20/12 14:59	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-11

Date Collected: 01/18/12 08:44

Date Received: 01/19/12 08:35

Lab Sample ID: 660-45783-1

Matrix: Ground Water

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/18/12 08:44	1
Field pH	7.04				SU			01/18/12 08:44	1
Field Temperature	22.8				Degrees C			01/18/12 08:44	1
Oxygen, Dissolved	0.38				mg/L			01/18/12 08:44	1
Specific Conductance	389				umhos/cm			01/18/12 08:44	1
Turbidity	1.80				NTU			01/18/12 08:44	1
Water Level	100.34				ft			01/18/12 08:44	1

Client Sample ID: MW-12

Date Collected: 01/18/12 08:38

Date Received: 01/19/12 08:35

Lab Sample ID: 660-45783-2

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			01/20/12 11:26	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/20/12 11:26	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/20/12 11:26	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/20/12 11:26	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/20/12 11:26	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/20/12 11:26	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/20/12 11:26	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/20/12 11:26	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/20/12 11:26	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/20/12 11:26	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/20/12 11:26	1
1,4-Dichlorobenzene	1.2		1.0	0.52	ug/L			01/20/12 11:26	1
2-Butanone	8.4	U	10	8.4	ug/L			01/20/12 11:26	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/20/12 11:26	1
Acetone	9.9	U	20	9.9	ug/L			01/20/12 11:26	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/20/12 11:26	1
Benzene	0.50	U	1.0	0.50	ug/L			01/20/12 11:26	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/20/12 11:26	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/20/12 11:26	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/20/12 11:26	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/20/12 11:26	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/20/12 11:26	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/20/12 11:26	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/20/12 11:26	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/20/12 11:26	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/20/12 11:26	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/20/12 11:26	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/20/12 11:26	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/20/12 11:26	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/20/12 11:26	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/20/12 11:26	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/20/12 11:26	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/20/12 11:26	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/20/12 11:26	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/20/12 11:26	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-12

Lab Sample ID: 660-45783-2

Date Collected: 01/18/12 08:38

Matrix: Ground Water

Date Received: 01/19/12 08:35

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/20/12 11:26	1
Styrene	0.98	U	2.0	0.98	ug/L			01/20/12 11:26	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/20/12 11:26	1
Toluene	0.51	U	1.0	0.51	ug/L			01/20/12 11:26	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/20/12 11:26	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/20/12 11:26	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/20/12 11:26	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/20/12 11:26	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/20/12 11:26	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			01/20/12 11:26	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/20/12 11:26	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/20/12 11:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		70 - 130					01/20/12 11:26	1
Dibromofluoromethane	104		70 - 130					01/20/12 11:26	1
Toluene-d8 (Surr)	98		70 - 130					01/20/12 11:26	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	0.0097	U	0.019	0.0097	ug/L		01/20/12 10:24	01/20/12 20:16	1
Ethylene Dibromide	0.0097	U	0.019	0.0097	ug/L		01/20/12 10:24	01/20/12 20:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	107		60 - 140				01/20/12 10:24	01/20/12 20:16	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		01/24/12 12:03	01/25/12 18:57	1
Arsenic	3.3		2.5	1.3	ug/L		01/24/12 12:03	01/25/12 18:57	1
Barium	16		5.0	1.3	ug/L		01/24/12 12:03	01/25/12 18:57	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/24/12 12:03	01/25/12 18:57	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/24/12 12:03	01/25/12 18:57	1
Chromium	2.5	U	5.0	2.5	ug/L		01/24/12 12:03	01/25/12 18:57	1
Cobalt	0.89		0.50	0.15	ug/L		01/24/12 12:03	01/25/12 18:57	1
Copper	1.1	U	5.0	1.1	ug/L		01/24/12 12:03	01/25/12 18:57	1
Iron	4700		100	33	ug/L		01/24/12 12:03	01/25/12 09:15	1
Lead	0.20	U	1.5	0.20	ug/L		01/24/12 12:03	01/25/12 18:57	1
Nickel	2.0	U	5.0	2.0	ug/L		01/24/12 12:03	01/25/12 18:57	1
Selenium	1.0	U	2.5	1.0	ug/L		01/24/12 12:03	01/25/12 18:57	1
Silver	0.25	U	1.0	0.25	ug/L		01/24/12 12:03	01/25/12 18:57	1
Sodium	2.7		0.50	0.25	mg/L		01/24/12 12:03	01/25/12 09:15	1
Thallium	0.50	U	1.0	0.50	ug/L		01/24/12 12:03	01/25/12 18:57	1
Vanadium	3.8	U	10	3.8	ug/L		01/24/12 12:03	01/25/12 18:57	1
Zinc	8.3	U	20	8.3	ug/L		01/24/12 12:03	01/25/12 18:57	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		01/25/12 09:09	01/25/12 13:40	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-12

Date Collected: 01/18/12 08:38

Date Received: 01/19/12 08:35

Lab Sample ID: 660-45783-2

Matrix: Ground Water

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.0		0.50	0.20	mg/L			01/26/12 12:03	1
Ammonia as N	0.20		0.020	0.010	mg/L			01/25/12 20:09	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/19/12 13:52	1
Total Dissolved Solids	280		10	10	mg/L			01/20/12 14:59	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/18/12 08:38	1
Field pH	6.58				SU			01/18/12 08:38	1
Field Temperature	23.1				Degrees C			01/18/12 08:38	1
Oxygen, Dissolved	0.12				mg/L			01/18/12 08:38	1
Specific Conductance	679				umhos/cm			01/18/12 08:38	1
Turbidity	1.74				NTU			01/18/12 08:38	1
Water Level	98.98				ft			01/18/12 08:38	1

Client Sample ID: MW-20

Date Collected: 01/18/12 13:20

Date Received: 01/19/12 08:35

Lab Sample ID: 660-45783-3

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			01/20/12 11:44	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/20/12 11:44	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/20/12 11:44	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/20/12 11:44	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/20/12 11:44	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/20/12 11:44	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/20/12 11:44	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/20/12 11:44	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/20/12 11:44	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/20/12 11:44	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/20/12 11:44	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/20/12 11:44	1
2-Butanone	8.4	U	10	8.4	ug/L			01/20/12 11:44	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/20/12 11:44	1
Acetone	9.9	U	20	9.9	ug/L			01/20/12 11:44	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/20/12 11:44	1
Benzene	0.50	U	1.0	0.50	ug/L			01/20/12 11:44	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/20/12 11:44	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/20/12 11:44	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/20/12 11:44	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/20/12 11:44	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/20/12 11:44	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/20/12 11:44	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/20/12 11:44	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/20/12 11:44	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/20/12 11:44	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/20/12 11:44	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/20/12 11:44	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/20/12 11:44	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-20

Lab Sample ID: 660-45783-3

Date Collected: 01/18/12 13:20

Matrix: Ground Water

Date Received: 01/19/12 08:35

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/20/12 11:44	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/20/12 11:44	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/20/12 11:44	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/20/12 11:44	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/20/12 11:44	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/20/12 11:44	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/20/12 11:44	1
Styrene	0.98	U	2.0	0.98	ug/L			01/20/12 11:44	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/20/12 11:44	1
Toluene	0.51	U	1.0	0.51	ug/L			01/20/12 11:44	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/20/12 11:44	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/20/12 11:44	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/20/12 11:44	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/20/12 11:44	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/20/12 11:44	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			01/20/12 11:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/20/12 11:44	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/20/12 11:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		70 - 130		01/20/12 11:44	1
Dibromofluoromethane	100		70 - 130		01/20/12 11:44	1
Toluene-d8 (Surr)	100		70 - 130		01/20/12 11:44	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	0.010	U	0.020	0.010	ug/L		01/26/12 15:16	01/26/12 19:49	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		01/26/12 15:16	01/26/12 19:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	108		60 - 140	01/26/12 15:16	01/26/12 19:49	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		01/24/12 12:03	01/25/12 19:05	1
Arsenic	7.5		2.5	1.3	ug/L		01/24/12 12:03	01/25/12 19:05	1
Barium	9.5		5.0	1.3	ug/L		01/24/12 12:03	01/25/12 19:05	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/24/12 12:03	01/25/12 19:05	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/24/12 12:03	01/25/12 19:05	1
Chromium	2.5	U	5.0	2.5	ug/L		01/24/12 12:03	01/25/12 19:05	1
Cobalt	2.8		0.50	0.15	ug/L		01/24/12 12:03	01/25/12 19:05	1
Copper	1.1	U	5.0	1.1	ug/L		01/24/12 12:03	01/25/12 19:05	1
Iron	31000		100	33	ug/L		01/24/12 12:03	01/25/12 09:22	1
Lead	0.20	U	1.5	0.20	ug/L		01/24/12 12:03	01/25/12 19:05	1
Nickel	2.0	U	5.0	2.0	ug/L		01/24/12 12:03	01/25/12 19:05	1
Selenium	1.0	U	2.5	1.0	ug/L		01/24/12 12:03	01/25/12 19:05	1
Silver	0.25	U	1.0	0.25	ug/L		01/24/12 12:03	01/25/12 19:05	1
Sodium	8.5		0.50	0.25	mg/L		01/24/12 12:03	01/25/12 09:22	1
Thallium	0.50	U	1.0	0.50	ug/L		01/24/12 12:03	01/25/12 19:05	1
Vanadium	3.8	U	10	3.8	ug/L		01/24/12 12:03	01/25/12 19:05	1
Zinc	8.3	U	20	8.3	ug/L		01/24/12 12:03	01/25/12 19:05	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-20

Lab Sample ID: 660-45783-3

Date Collected: 01/18/12 13:20

Matrix: Ground Water

Date Received: 01/19/12 08:35

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		01/25/12 09:09	01/25/12 13:43	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25		0.50	0.20	mg/L			01/26/12 12:18	1
Ammonia as N	1.2		0.020	0.010	mg/L			01/25/12 20:45	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/19/12 13:53	1
Total Dissolved Solids	150		10	10	mg/L			01/20/12 14:59	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/18/12 13:20	1
Field pH	5.58				SU			01/18/12 13:20	1
Field Temperature	22.0				Degrees C			01/18/12 13:20	1
Oxygen, Dissolved	0.22				mg/L			01/18/12 13:20	1
Specific Conductance	411				umhos/cm			01/18/12 13:20	1
Turbidity	4.85				NTU			01/18/12 13:20	1
Water Level	114.20				ft			01/18/12 13:20	1

Client Sample ID: MW-3

Lab Sample ID: 660-45783-4

Date Collected: 01/18/12 10:20

Matrix: Ground Water

Date Received: 01/19/12 08:35

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			01/20/12 12:02	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/20/12 12:02	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/20/12 12:02	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/20/12 12:02	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/20/12 12:02	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/20/12 12:02	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/20/12 12:02	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/20/12 12:02	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/20/12 12:02	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/20/12 12:02	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/20/12 12:02	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/20/12 12:02	1
2-Butanone	8.4	U	10	8.4	ug/L			01/20/12 12:02	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/20/12 12:02	1
Acetone	9.9	U	20	9.9	ug/L			01/20/12 12:02	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/20/12 12:02	1
Benzene	0.50	U	1.0	0.50	ug/L			01/20/12 12:02	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/20/12 12:02	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/20/12 12:02	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/20/12 12:02	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/20/12 12:02	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/20/12 12:02	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/20/12 12:02	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/20/12 12:02	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/20/12 12:02	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-3

Lab Sample ID: 660-45783-4

Date Collected: 01/18/12 10:20

Matrix: Ground Water

Date Received: 01/19/12 08:35

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.90	U	1.0	0.90	ug/L			01/20/12 12:02	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/20/12 12:02	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/20/12 12:02	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/20/12 12:02	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/20/12 12:02	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/20/12 12:02	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/20/12 12:02	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/20/12 12:02	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/20/12 12:02	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/20/12 12:02	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/20/12 12:02	1
Styrene	0.98	U	2.0	0.98	ug/L			01/20/12 12:02	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/20/12 12:02	1
Toluene	0.51	U	1.0	0.51	ug/L			01/20/12 12:02	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/20/12 12:02	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/20/12 12:02	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/20/12 12:02	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/20/12 12:02	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/20/12 12:02	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			01/20/12 12:02	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/20/12 12:02	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/20/12 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		70 - 130		01/20/12 12:02	1
Dibromofluoromethane	101		70 - 130		01/20/12 12:02	1
Toluene-d8 (Surr)	99		70 - 130		01/20/12 12:02	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	0.0097	U	0.019	0.0097	ug/L		01/20/12 10:24	01/20/12 21:27	1
Ethylene Dibromide	0.0097	U	0.019	0.0097	ug/L		01/20/12 10:24	01/20/12 21:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	104		60 - 140	01/20/12 10:24	01/20/12 21:27	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		01/24/12 12:03	01/25/12 19:12	1
Arsenic	1.3	U	2.5	1.3	ug/L		01/24/12 12:03	01/25/12 19:12	1
Barium	12		5.0	1.3	ug/L		01/24/12 12:03	01/25/12 19:12	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/24/12 12:03	01/25/12 19:12	1
Cadmium	0.13	I	0.50	0.095	ug/L		01/24/12 12:03	01/25/12 19:12	1
Chromium	2.5	U	5.0	2.5	ug/L		01/24/12 12:03	01/25/12 19:12	1
Cobalt	0.42	I	0.50	0.15	ug/L		01/24/12 12:03	01/25/12 19:12	1
Copper	22		5.0	1.1	ug/L		01/24/12 12:03	01/25/12 19:12	1
Iron	130		100	33	ug/L		01/24/12 12:03	01/25/12 09:30	1
Lead	5.6		1.5	0.20	ug/L		01/24/12 12:03	01/25/12 19:12	1
Nickel	2.8	I	5.0	2.0	ug/L		01/24/12 12:03	01/25/12 19:12	1
Selenium	1.0	U	2.5	1.0	ug/L		01/24/12 12:03	01/25/12 19:12	1
Silver	0.25	U	1.0	0.25	ug/L		01/24/12 12:03	01/25/12 19:12	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-3

Lab Sample ID: 660-45783-4

Date Collected: 01/18/12 10:20

Matrix: Ground Water

Date Received: 01/19/12 08:35

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	4.3		0.50	0.25	mg/L		01/24/12 12:03	01/25/12 09:30	1
Thallium	0.50	U	1.0	0.50	ug/L		01/24/12 12:03	01/25/12 19:12	1
Vanadium	3.8	U	10	3.8	ug/L		01/24/12 12:03	01/25/12 19:12	1
Zinc	42		20	8.3	ug/L		01/24/12 12:03	01/25/12 19:12	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		01/25/12 09:09	01/25/12 13:47	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.0		0.50	0.20	mg/L			01/26/12 12:34	1
Ammonia as N	0.026		0.020	0.010	mg/L			01/25/12 20:49	1
Nitrate as N	0.84		0.50	0.10	mg/L			01/19/12 13:55	1
Total Dissolved Solids	10	U	10	10	mg/L			01/20/12 15:00	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/18/12 10:20	1
Field pH	4.65				SU			01/18/12 10:20	1
Field Temperature	20.3				Degrees C			01/18/12 10:20	1
Oxygen, Dissolved	5.13				mg/L			01/18/12 10:20	1
Specific Conductance	48				umhos/cm			01/18/12 10:20	1
Turbidity	0.90				NTU			01/18/12 10:20	1
Water Level	114.75				ft			01/18/12 10:20	1

Client Sample ID: MW-7

Lab Sample ID: 660-45783-5

Date Collected: 01/18/12 10:30

Matrix: Ground Water

Date Received: 01/19/12 08:35

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			01/20/12 12:20	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/20/12 12:20	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/20/12 12:20	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/20/12 12:20	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/20/12 12:20	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/20/12 12:20	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/20/12 12:20	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/20/12 12:20	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/20/12 12:20	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/20/12 12:20	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/20/12 12:20	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/20/12 12:20	1
2-Butanone	8.4	U	10	8.4	ug/L			01/20/12 12:20	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/20/12 12:20	1
Acetone	9.9	U	20	9.9	ug/L			01/20/12 12:20	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/20/12 12:20	1
Benzene	0.81	I	1.0	0.50	ug/L			01/20/12 12:20	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/20/12 12:20	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-7

Lab Sample ID: 660-45783-5

Date Collected: 01/18/12 10:30

Matrix: Ground Water

Date Received: 01/19/12 08:35

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/20/12 12:20	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/20/12 12:20	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/20/12 12:20	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/20/12 12:20	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/20/12 12:20	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/20/12 12:20	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/20/12 12:20	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/20/12 12:20	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/20/12 12:20	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/20/12 12:20	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/20/12 12:20	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/20/12 12:20	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/20/12 12:20	1
Ethylbenzene	9.0		1.0	0.44	ug/L			01/20/12 12:20	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/20/12 12:20	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/20/12 12:20	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/20/12 12:20	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/20/12 12:20	1
Styrene	0.98	U	2.0	0.98	ug/L			01/20/12 12:20	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/20/12 12:20	1
Toluene	0.51	U	1.0	0.51	ug/L			01/20/12 12:20	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/20/12 12:20	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/20/12 12:20	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/20/12 12:20	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/20/12 12:20	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/20/12 12:20	1
Vinyl acetate	1.5	U J3	10	1.5	ug/L			01/20/12 12:20	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/20/12 12:20	1
Xylenes, Total	1.3	I	3.0	0.50	ug/L			01/20/12 12:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		70 - 130		01/20/12 12:20	1
Dibromofluoromethane	103		70 - 130		01/20/12 12:20	1
Toluene-d8 (Surr)	100		70 - 130		01/20/12 12:20	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	0.010	U	0.020	0.010	ug/L		01/20/12 10:24	01/20/12 22:02	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		01/20/12 10:24	01/20/12 22:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	103		60 - 140	01/20/12 10:24	01/20/12 22:02	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		01/24/12 12:03	01/25/12 20:11	1
Arsenic	8.7		2.5	1.3	ug/L		01/24/12 12:03	01/25/12 20:11	1
Barium	18		5.0	1.3	ug/L		01/24/12 12:03	01/25/12 20:11	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/24/12 12:03	01/25/12 20:11	1
Cadmium	0.19	I	0.50	0.095	ug/L		01/24/12 12:03	01/25/12 20:11	1
Chromium	2.5	U	5.0	2.5	ug/L		01/24/12 12:03	01/25/12 20:11	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-7

Lab Sample ID: 660-45783-5

Date Collected: 01/18/12 10:30

Matrix: Ground Water

Date Received: 01/19/12 08:35

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.80		0.50	0.15	ug/L		01/24/12 12:03	01/25/12 20:11	1
Copper	1.1	U	5.0	1.1	ug/L		01/24/12 12:03	01/25/12 20:11	1
Iron	840		100	33	ug/L		01/24/12 12:03	01/25/12 10:29	1
Lead	0.82	I	1.5	0.20	ug/L		01/24/12 12:03	01/25/12 20:11	1
Nickel	5.3		5.0	2.0	ug/L		01/24/12 12:03	01/25/12 20:11	1
Selenium	1.0	U	2.5	1.0	ug/L		01/24/12 12:03	01/25/12 20:11	1
Silver	0.25	U	1.0	0.25	ug/L		01/24/12 12:03	01/25/12 20:11	1
Sodium	11		0.50	0.25	mg/L		01/24/12 12:03	01/25/12 10:29	1
Thallium	0.50	U	1.0	0.50	ug/L		01/24/12 12:03	01/25/12 20:11	1
Vanadium	3.8	U	10	3.8	ug/L		01/24/12 12:03	01/25/12 20:11	1
Zinc	30		20	8.3	ug/L		01/24/12 12:03	01/25/12 20:11	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		01/25/12 09:09	01/25/12 13:50	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.0		0.50	0.20	mg/L			01/26/12 12:50	1
Ammonia as N	0.010	U	0.020	0.010	mg/L			01/25/12 20:50	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/19/12 13:56	1
Total Dissolved Solids	44		5.0	5.0	mg/L			01/20/12 15:01	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/18/12 10:30	1
Field pH	5.10				SU			01/18/12 10:30	1
Field Temperature	22.8				Degrees C			01/18/12 10:30	1
Oxygen, Dissolved	0.22				mg/L			01/18/12 10:30	1
Specific Conductance	86				umhos/cm			01/18/12 10:30	1
Turbidity	2.50				NTU			01/18/12 10:30	1
Water Level	122.8				ft			01/18/12 10:30	1

Client Sample ID: MW-18

Lab Sample ID: 660-45786-19

Date Collected: 01/17/12 14:55

Matrix: Ground Water

Date Received: 01/19/12 08:35

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			01/20/12 09:01	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/20/12 09:01	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/20/12 09:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		70 - 130					01/20/12 09:01	1
Dibromofluoromethane	99		70 - 130					01/20/12 09:01	1
Toluene-d8 (Surr)	99		70 - 130					01/20/12 09:01	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/17/12 14:55	1

Client Sample Results

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-18

Date Collected: 01/17/12 14:55

Date Received: 01/19/12 08:35

Lab Sample ID: 660-45786-19

Matrix: Ground Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.92				SU			01/17/12 14:55	1
Field Temperature	22.7				Degrees C			01/17/12 14:55	1
Oxygen, Dissolved	1.08				mg/L			01/17/12 14:55	1
Specific Conductance	59				umhos/cm			01/17/12 14:55	1
Turbidity	13.1				NTU			01/17/12 14:55	1
Water Level	110.49				ft			01/17/12 14:55	1

Client Sample ID: MW-19

Date Collected: 01/17/12 15:40

Date Received: 01/19/12 08:35

Lab Sample ID: 660-45786-20

Matrix: Ground Water

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			01/20/12 09:19	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/20/12 09:19	1
Vinyl chloride	1.1		1.0	0.50	ug/L			01/20/12 09:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		70 - 130		01/20/12 09:19	1
Dibromofluoromethane	98		70 - 130		01/20/12 09:19	1
Toluene-d8 (Surr)	98		70 - 130		01/20/12 09:19	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/17/12 15:40	1
Field pH	5.25				SU			01/17/12 15:40	1
Field Temperature	22.8				Degrees C			01/17/12 15:40	1
Oxygen, Dissolved	0.82				mg/L			01/17/12 15:40	1
Specific Conductance	64				umhos/cm			01/17/12 15:40	1
Turbidity	4.07				NTU			01/17/12 15:40	1
Water Level	108.14				ft			01/17/12 15:40	1

Client Sample ID: Trip Blank Assessment 45786

Date Collected: 01/17/12 00:00

Date Received: 01/19/12 08:35

Lab Sample ID: 660-45786-21

Matrix: Ground Water

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			01/20/12 09:37	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/20/12 09:37	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/20/12 09:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		70 - 130		01/20/12 09:37	1
Dibromofluoromethane	98		70 - 130		01/20/12 09:37	1
Toluene-d8 (Surr)	98		70 - 130		01/20/12 09:37	1

Surrogate Summary

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

TestAmerica Job ID: 660-45734-1

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

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (70-130)	DBFM (70-130)	TOL (70-130)
660-45734-1 - DL	Equipment Blank 45734	94	111	101
660-45734-1	Equipment Blank 45734	94	110	100
660-45734-2	MW-10	93	109	101
660-45734-3	MW-13	92	109	101
660-45734-4	MW-14	94	111	101
660-45734-5	MW-15	93	110	102
660-45734-6	MW-17	93	110	101
660-45734-7	MW-21	94	108	101
660-45734-8	Trip Blank 1 45734	95	111	100
660-45734-9	Trip Blank 2 45734	93	108	101
660-45781-1	MW-6	96	102	99
660-45783-1	MW-11	96	100	100
660-45783-2	MW-12	98	104	98
660-45783-3	MW-20	97	100	100
660-45783-4	MW-3	98	101	99
660-45783-5	MW-7	95	103	100
660-45786-19	MW-18	99	99	99
660-45786-19 DU	MW-18	98	98	98
660-45786-20	MW-19	97	98	98
660-45786-20 MS	MW-19	96	102	102
660-45786-21	Trip Blank Assessment 45786	98	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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (70-130)	DBFM (70-130)	TOL (70-130)
660-45755-N-1 DU	Duplicate	94	109	102
660-45755-O-1 MS	Matrix Spike	96	108	98
LCS 660-120079/3	Lab Control Sample	97	109	97
LCS 660-120153/3	Lab Control Sample	98	105	101
MB 660-120079/5	Method Blank	94	108	102
MB 660-120153/5	Method Blank	98	97	100

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: 660-45734-1

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

Matrix: Ground Water

Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	TCEA1 (60-140)				
660-45734-1	Equipment Blank 45734	95				
660-45734-2	MW-10	100				
660-45734-2 MS	MW-10	83				
660-45734-3	MW-13	85				
660-45734-3 DU	MW-13	82				
660-45734-4	MW-14	97				
660-45734-5	MW-15	85				
660-45734-6	MW-17	80				
660-45734-7	MW-21	101				
660-45781-1	MW-6	102				
660-45783-1	MW-11	109				
660-45783-2	MW-12	107				
660-45783-4	MW-3	104				
660-45783-4 DU	MW-3	104				
660-45783-5	MW-7	103				
Surrogate Legend						
TCEA = 1,1,1,2-Tetrachloroethane						

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

Matrix: Ground Water

Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	TCEA2 (60-140)				
660-45783-3	MW-20	108				
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)			
Lab Sample ID	Client Sample ID	TCEA1 (60-140)				
LCS 660-120092/2-A	Lab Control Sample	79				
MB 660-120346/1-A	Method Blank	101				
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)			
Lab Sample ID	Client Sample ID	TCEA2 (60-140)				
LCS 660-120346/2-A	Lab Control Sample	96				
LCS 660-120346/3-A	Lab Control Sample Dup	91				
MB 660-120092/1-A	Method Blank	87				

Surrogate Summary

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

TestAmerica Job ID: 660-45734-1

Surrogate Legend

TCEA = 1,1,1,2-Tetrachloroethane

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

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

Lab Sample ID: MB 660-120079/5

Matrix: Water

Analysis Batch: 120079

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			01/19/12 09:25	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/19/12 09:25	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/19/12 09:25	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/19/12 09:25	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/19/12 09:25	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/19/12 09:25	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/19/12 09:25	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/19/12 09:25	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/19/12 09:25	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/19/12 09:25	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/19/12 09:25	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/19/12 09:25	1
2-Butanone	8.4	U	10	8.4	ug/L			01/19/12 09:25	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/19/12 09:25	1
Acetone	9.9	U	20	9.9	ug/L			01/19/12 09:25	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/19/12 09:25	1
Benzene	0.50	U	1.0	0.50	ug/L			01/19/12 09:25	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/19/12 09:25	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/19/12 09:25	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/19/12 09:25	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/19/12 09:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/19/12 09:25	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/19/12 09:25	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/19/12 09:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/19/12 09:25	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/19/12 09:25	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/19/12 09:25	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/19/12 09:25	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 09:25	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/19/12 09:25	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/19/12 09:25	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/19/12 09:25	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/19/12 09:25	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/19/12 09:25	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/19/12 09:25	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/19/12 09:25	1
Styrene	0.98	U	2.0	0.98	ug/L			01/19/12 09:25	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 09:25	1
Toluene	0.51	U	1.0	0.51	ug/L			01/19/12 09:25	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/19/12 09:25	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/19/12 09:25	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/19/12 09:25	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/19/12 09:25	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/19/12 09:25	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/19/12 09:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/19/12 09:25	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/19/12 09:25	1

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

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

Lab Sample ID: MB 660-120079/5

Matrix: Water

Analysis Batch: 120079

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	94		70 - 130		01/19/12 09:25	1
Dibromofluoromethane	108		70 - 130		01/19/12 09:25	1
Toluene-d8 (Surr)	102		70 - 130		01/19/12 09:25	1

Lab Sample ID: LCS 660-120079/3

Matrix: Water

Analysis Batch: 120079

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	17.6		ug/L		88	70 - 130
1,1,1-Trichloroethane	20.0	18.6		ug/L		93	63 - 132
1,1,1,2,2-Tetrachloroethane	20.0	19.4		ug/L		97	70 - 130
1,1,2-Trichloroethane	20.0	18.7		ug/L		94	70 - 130
1,1-Dichloroethane	20.0	20.8		ug/L		104	66 - 130
1,1-Dichloroethene	20.0	22.1		ug/L		111	51 - 150
1,2,3-Trichloropropane	20.0	17.6		ug/L		88	66 - 130
1,2-Dibromo-3-Chloropropane	20.0	16.7		ug/L		83	63 - 130
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	70 - 130
1,2-Dichloroethane	20.0	18.5		ug/L		92	70 - 130
1,2-Dichloropropane	20.0	18.7		ug/L		94	70 - 130
1,4-Dichlorobenzene	20.0	18.8		ug/L		94	70 - 130
2-Butanone	40.0	48.2		ug/L		121	63 - 140
2-Hexanone	40.0	36.0		ug/L		90	60 - 148
Acetone	40.0	59.1	J3	ug/L		148	62 - 142
Acrylonitrile	40.0	42.8		ug/L		107	59 - 146
Benzene	20.0	22.5		ug/L		113	68 - 134
Bromochloromethane	20.0	17.5		ug/L		88	70 - 130
Bromodichloromethane	20.0	16.8		ug/L		84	70 - 130
Bromoform	20.0	17.7		ug/L		89	65 - 130
Bromomethane	20.0	10.4		ug/L		52	22 - 150
Carbon disulfide	40.0	58.1		ug/L		145	30 - 150
Carbon tetrachloride	20.0	18.3		ug/L		91	61 - 134
Chlorobenzene	20.0	18.7		ug/L		94	70 - 130
Chloroethane	20.0	17.0		ug/L		85	39 - 150
Chloroform	20.0	19.2		ug/L		96	68 - 130
Chloromethane	20.0	13.6		ug/L		68	35 - 150
cis-1,2-Dichloroethene	20.0	20.8		ug/L		104	66 - 130
cis-1,3-Dichloropropene	20.0	18.7		ug/L		93	70 - 130
Dibromochloromethane	20.0	17.1		ug/L		86	70 - 130
Dibromomethane	20.0	17.8		ug/L		89	70 - 130
Ethylbenzene	20.0	19.6		ug/L		98	70 - 130
Ethylene Dibromide	20.0	17.9		ug/L		90	66 - 130
Iodomethane	40.0	28.1		ug/L		70	70 - 130
Methyl isobutyl ketone (MIBK)	40.0	35.5		ug/L		89	64 - 137
Methylene Chloride	20.0	21.7		ug/L		109	57 - 130
Styrene	20.0	18.8		ug/L		94	68 - 131
Tetrachloroethene	20.0	15.7		ug/L		78	50 - 143
Toluene	20.0	18.4		ug/L		92	70 - 131
trans-1,2-Dichloroethene	20.0	22.0		ug/L		110	62 - 139

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

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

Lab Sample ID: LCS 660-120079/3

Matrix: Water

Analysis Batch: 120079

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	20.0	17.6		ug/L		88	67 - 130
trans-1,4-Dichloro-2-butene	40.0	29.6		ug/L		74	70 - 130
Trichloroethene	20.0	21.6		ug/L		108	63 - 139
Trichlorofluoromethane	20.0	18.2		ug/L		91	62 - 146
Vinyl acetate	20.0	27.9		ug/L		139	31 - 146
Vinyl chloride	20.0	18.4		ug/L		92	48 - 147

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	97		70 - 130
Dibromofluoromethane	109		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: 660-45755-O-1 MS

Matrix: Water

Analysis Batch: 120079

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	19.2		ug/L		96	70 - 130
1,1,1-Trichloroethane	0.46	U	20.0	19.7		ug/L		99	63 - 132
1,1,1,2,2-Tetrachloroethane	0.15	U	20.0	21.2		ug/L		106	70 - 130
1,1,2-Trichloroethane	0.47	U	20.0	20.9		ug/L		105	70 - 130
1,1-Dichloroethane	23		20.0	45.4		ug/L		112	66 - 130
1,1-Dichloroethene	0.45	U	20.0	22.2		ug/L		111	51 - 150
1,2,3-Trichloropropane	0.18	U	20.0	19.7		ug/L		99	66 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	20.0	18.4		ug/L		92	63 - 130
1,2-Dichlorobenzene	0.44	U	20.0	21.0		ug/L		105	70 - 130
1,2-Dichloroethane	0.57	U	20.0	20.6		ug/L		103	70 - 130
1,2-Dichloropropane	0.52	U	20.0	21.7		ug/L		108	70 - 130
1,4-Dichlorobenzene	0.52	U	20.0	20.5		ug/L		102	70 - 130
2-Butanone	8.4	U	40.0	54.0		ug/L		135	63 - 140
2-Hexanone	4.4	U	40.0	41.7		ug/L		104	60 - 148
Acetone	9.9	U J3	40.0	67.4	J3	ug/L		168	62 - 142
Acrylonitrile	1.2	U	40.0	50.7		ug/L		127	59 - 146
Benzene	0.50	U	20.0	24.6		ug/L		123	68 - 134
Bromochloromethane	0.58	U	20.0	18.9		ug/L		95	70 - 130
Bromodichloromethane	0.35	U	20.0	18.6		ug/L		93	70 - 130
Bromoform	0.58	U	20.0	19.3		ug/L		96	65 - 130
Bromomethane	2.5	U	20.0	10.7		ug/L		54	22 - 150
Carbon disulfide	1.0	U J3	40.0	66.5	J3	ug/L		166	30 - 150
Carbon tetrachloride	0.42	U	20.0	19.2		ug/L		96	61 - 134
Chlorobenzene	0.63	U	20.0	20.9		ug/L		104	70 - 130
Chloroethane	2.5	U	20.0	19.0		ug/L		95	39 - 150
Chloroform	0.90	U	20.0	21.1		ug/L		106	68 - 130
Chloromethane	1.0	U	20.0	13.1		ug/L		66	35 - 150
cis-1,2-Dichloroethene	0.65	U	20.0	22.9		ug/L		115	66 - 130
cis-1,3-Dichloropropene	0.14	U	20.0	20.5		ug/L		102	70 - 130
Dibromochloromethane	0.34	U	20.0	19.0		ug/L		95	70 - 130
Dibromomethane	0.41	U	20.0	20.6		ug/L		103	70 - 130
Ethylbenzene	0.44	U	20.0	20.8		ug/L		104	70 - 130

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

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

Lab Sample ID: 660-45755-O-1 MS

Matrix: Water

Analysis Batch: 120079

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Ethylene Dibromide	0.50	U	20.0	20.3		ug/L		102	66 - 130
Iodomethane	2.5	U	40.0	31.6		ug/L		79	70 - 130
Methyl isobutyl ketone (MIBK)	3.8	U	40.0	39.9		ug/L		100	64 - 137
Methylene Chloride	4.0	U	20.0	23.0		ug/L		115	57 - 130
Styrene	0.98	U	20.0	20.3		ug/L		102	68 - 131
Tetrachloroethene	0.50	U	20.0	17.1		ug/L		86	50 - 143
Toluene	0.51	U	20.0	20.8		ug/L		104	70 - 131
trans-1,2-Dichloroethene	0.44	U	20.0	23.6		ug/L		118	62 - 139
trans-1,3-Dichloropropene	0.14	U	20.0	19.5		ug/L		98	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	24.1		ug/L		120	63 - 139
Trichlorofluoromethane	2.5	U	20.0	18.8		ug/L		94	62 - 146
Vinyl acetate	1.5	U	20.0	29.2		ug/L		146	31 - 146
Vinyl chloride	0.50	U	20.0	19.3		ug/L		97	48 - 147

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	108		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: 660-45755-N-1 DU

Matrix: Water

Analysis Batch: 120079

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				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	23		23.9		ug/L		3	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 J3	9.9	U J3	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 J3	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

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

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

Lab Sample ID: 660-45755-N-1 DU

Matrix: Water

Analysis Batch: 120079

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
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	94		70 - 130
Dibromofluoromethane	109		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: MB 660-120153/5

Matrix: Water

Analysis Batch: 120153

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			01/20/12 08:31	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/20/12 08:31	1
1,1,1,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/20/12 08:31	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/20/12 08:31	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/20/12 08:31	1
1,1-Dichloroethane	0.45	U	1.0	0.45	ug/L			01/20/12 08:31	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/20/12 08:31	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/20/12 08:31	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/20/12 08:31	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/20/12 08:31	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/20/12 08:31	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/20/12 08:31	1
2-Butanone	8.4	U	10	8.4	ug/L			01/20/12 08:31	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/20/12 08:31	1
Acetone	9.9	U	20	9.9	ug/L			01/20/12 08:31	1

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

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

Lab Sample ID: MB 660-120153/5

Matrix: Water

Analysis Batch: 120153

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrylonitrile	1.2	U	10	1.2	ug/L			01/20/12 08:31	1
Benzene	0.50	U	1.0	0.50	ug/L			01/20/12 08:31	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/20/12 08:31	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/20/12 08:31	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/20/12 08:31	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/20/12 08:31	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/20/12 08:31	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/20/12 08:31	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/20/12 08:31	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/20/12 08:31	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/20/12 08:31	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/20/12 08:31	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/20/12 08:31	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/20/12 08:31	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/20/12 08:31	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/20/12 08:31	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/20/12 08:31	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/20/12 08:31	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/20/12 08:31	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/20/12 08:31	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/20/12 08:31	1
Styrene	0.98	U	2.0	0.98	ug/L			01/20/12 08:31	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/20/12 08:31	1
Toluene	0.51	U	1.0	0.51	ug/L			01/20/12 08:31	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/20/12 08:31	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/20/12 08:31	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/20/12 08:31	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/20/12 08:31	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/20/12 08:31	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/20/12 08:31	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/20/12 08:31	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/20/12 08:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		70 - 130		01/20/12 08:31	1
Dibromofluoromethane	97		70 - 130		01/20/12 08:31	1
Toluene-d8 (Surr)	100		70 - 130		01/20/12 08:31	1

Lab Sample ID: LCS 660-120153/3

Matrix: Water

Analysis Batch: 120153

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	17.4		ug/L		87	70 - 130
1,1,1-Trichloroethane	20.0	20.2		ug/L		101	63 - 132
1,1,2,2-Tetrachloroethane	20.0	21.0		ug/L		105	70 - 130
1,1,2-Trichloroethane	20.0	20.7		ug/L		103	70 - 130
1,1-Dichloroethane	20.0	20.8		ug/L		104	66 - 130
1,1-Dichloroethene	20.0	19.4		ug/L		97	51 - 150

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

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

Lab Sample ID: LCS 660-120153/3

Matrix: Water

Analysis Batch: 120153

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	20.0	22.0		ug/L		110	66 - 130
1,2-Dibromo-3-Chloropropane	20.0	17.9		ug/L		90	63 - 130
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	70 - 130
1,2-Dichloroethane	20.0	20.0		ug/L		100	70 - 130
1,2-Dichloropropane	20.0	20.8		ug/L		104	70 - 130
1,4-Dichlorobenzene	20.0	20.7		ug/L		104	70 - 130
2-Butanone	40.0	48.2		ug/L		120	63 - 140
2-Hexanone	40.0	44.2		ug/L		111	60 - 148
Acetone	40.0	44.4		ug/L		111	62 - 142
Acrylonitrile	40.0	43.6		ug/L		109	59 - 146
Benzene	20.0	20.9		ug/L		104	68 - 134
Bromochloromethane	20.0	21.0		ug/L		105	70 - 130
Bromodichloromethane	20.0	17.6		ug/L		88	70 - 130
Bromoform	20.0	17.5		ug/L		88	65 - 130
Bromomethane	20.0	17.8		ug/L		89	22 - 150
Carbon disulfide	40.0	46.3		ug/L		116	30 - 150
Carbon tetrachloride	20.0	17.4		ug/L		87	61 - 134
Chlorobenzene	20.0	20.7		ug/L		103	70 - 130
Chloroethane	20.0	19.6		ug/L		98	39 - 150
Chloroform	20.0	19.1		ug/L		96	68 - 130
Chloromethane	20.0	16.3		ug/L		81	35 - 150
cis-1,2-Dichloroethene	20.0	20.1		ug/L		101	66 - 130
cis-1,3-Dichloropropene	20.0	16.4		ug/L		82	70 - 130
Dibromochloromethane	20.0	17.2		ug/L		86	70 - 130
Dibromomethane	20.0	21.0		ug/L		105	70 - 130
Ethylbenzene	20.0	20.3		ug/L		102	70 - 130
Ethylene Dibromide	20.0	20.7		ug/L		103	66 - 130
Iodomethane	40.0	33.3		ug/L		83	70 - 130
Methyl isobutyl ketone (MIBK)	40.0	40.0		ug/L		100	64 - 137
Methylene Chloride	20.0	19.7		ug/L		98	57 - 130
Styrene	20.0	16.8		ug/L		84	68 - 131
Tetrachloroethene	20.0	18.7		ug/L		94	50 - 143
Toluene	20.0	20.5		ug/L		102	70 - 131
trans-1,2-Dichloroethene	20.0	19.7		ug/L		98	62 - 139
trans-1,3-Dichloropropene	20.0	15.1		ug/L		75	67 - 130
trans-1,4-Dichloro-2-butene	40.0	32.2		ug/L		80	70 - 130
Trichloroethene	20.0	19.9		ug/L		99	63 - 139
Trichlorofluoromethane	20.0	23.4		ug/L		117	62 - 146
Vinyl acetate	20.0	32.2	J3	ug/L		161	31 - 146
Vinyl chloride	20.0	18.4		ug/L		92	48 - 147

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	105		70 - 130
Toluene-d8 (Surr)	101		70 - 130

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

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

Lab Sample ID: 660-45786-20 MS
Matrix: Ground Water
Analysis Batch: 120153

Client Sample ID: MW-19
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Benzene	0.50	U	20.0	22.3		ug/L		112	68 - 134	
Methylene Chloride	4.0	U	20.0	21.0		ug/L		105	57 - 130	
Vinyl chloride	1.1		20.0	17.4		ug/L		81	48 - 147	
MS MS										
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene	96		70 - 130							
Dibromofluoromethane	102		70 - 130							
Toluene-d8 (Surr)	102		70 - 130							

Lab Sample ID: 660-45786-19 DU
Matrix: Ground Water
Analysis Batch: 120153

Client Sample ID: MW-18
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD	Limit
	Result	Qualifier		Result					
Benzene	0.50	U	0.50	U	ug/L		NC	30	
Methylene Chloride	4.0	U	4.0	U	ug/L		NC	30	
Vinyl chloride	0.50	U	0.50	U	ug/L		NC	30	
DU DU									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene	98		70 - 130						
Dibromofluoromethane	98		70 - 130						
Toluene-d8 (Surr)	98		70 - 130						

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

Lab Sample ID: MB 660-120092/1-A
Matrix: Water
Analysis Batch: 120172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120092

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		01/20/12 10:24	01/20/12 16:44	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		01/20/12 10:24	01/20/12 16:44	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1,1,1,2-Tetrachloroethane	87		60 - 140	01/20/12 10:24	01/20/12 16:44	1			

Lab Sample ID: LCS 660-120092/2-A
Matrix: Water
Analysis Batch: 120171

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120092

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
			Result					
1,2-Dibromo-3-Chloropropane	0.251	0.216		ug/L		86	70 - 130	
Ethylene Dibromide	0.251	0.217		ug/L		86	70 - 130	
LCS LCS								
Surrogate	%Recovery	Qualifier	Limits					
1,1,1,2-Tetrachloroethane	79		60 - 140					

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

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

Lab Sample ID: 660-45734-2 MS
Matrix: Ground Water
Analysis Batch: 120171

Client Sample ID: MW-10
Prep Type: Total/NA
Prep Batch: 120092

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
1,2-Dibromo-3-Chloropropane	0.0098	U	0.254	0.236		ug/L		93		70 - 130
Ethylene Dibromide	0.0098	U	0.254	0.227		ug/L		90		70 - 130
		<i>MS</i>	<i>MS</i>							
Surrogate	%Recovery	Qualifier	Limits							
1,1,1,2-Tetrachloroethane	83		60 - 140							

Lab Sample ID: 660-45734-3 DU
Matrix: Ground Water
Analysis Batch: 120171

Client Sample ID: MW-13
Prep Type: Total/NA
Prep Batch: 120092

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier		Result				
1,2-Dibromo-3-Chloropropane	0.0098	U	0.0098	U	ug/L		NC	40
Ethylene Dibromide	0.0098	U	0.0098	U	ug/L		NC	40
		<i>DU</i>	<i>DU</i>					
Surrogate	%Recovery	Qualifier	Limits					
1,1,1,2-Tetrachloroethane	82		60 - 140					

Lab Sample ID: 660-45783-4 DU
Matrix: Ground Water
Analysis Batch: 120171

Client Sample ID: MW-3
Prep Type: Total/NA
Prep Batch: 120092

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier		Result				
1,2-Dibromo-3-Chloropropane	0.0097	U	0.010	U	ug/L		NC	40
Ethylene Dibromide	0.0097	U	0.010	U	ug/L		NC	40
		<i>DU</i>	<i>DU</i>					
Surrogate	%Recovery	Qualifier	Limits					
1,1,1,2-Tetrachloroethane	104		60 - 140					

Lab Sample ID: MB 660-120346/1-A
Matrix: Water
Analysis Batch: 120384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120346

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dibromo-3-Chloropropane	0.010	U	0.020	0.010	ug/L		01/26/12 15:16	01/26/12 18:55	1
Ethylene Dibromide	0.010	U	0.020	0.010	ug/L		01/26/12 15:16	01/26/12 18:55	1
		<i>MB</i>	<i>MB</i>						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1,1,1,2-Tetrachloroethane	101		60 - 140	01/26/12 15:16	01/26/12 18:55	1			

Lab Sample ID: LCS 660-120346/2-A
Matrix: Water
Analysis Batch: 120384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120346

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
			Result					
1,2-Dibromo-3-Chloropropane	0.251	0.250		ug/L		100		70 - 130
Ethylene Dibromide	0.251	0.289		ug/L		115		70 - 130

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

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

Lab Sample ID: LCS 660-120346/2-A
Matrix: Water
Analysis Batch: 120384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120346

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,1,1,2-Tetrachloroethane	96		60 - 140

Lab Sample ID: LCSD 660-120346/3-A
Matrix: Water
Analysis Batch: 120384

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120346

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.252	0.241		ug/L		96	70 - 130	4	40
Ethylene Dibromide	0.252	0.279		ug/L		111	70 - 130	3	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,1,1,2-Tetrachloroethane	91		60 - 140

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 680-227111/1-A
Matrix: Water
Analysis Batch: 227375

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 227111

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	33	U	100	33	ug/L		01/24/12 12:03	01/25/12 08:23	1
Sodium	0.25	U	0.50	0.25	mg/L		01/24/12 12:03	01/25/12 08:23	1

Lab Sample ID: MB 680-227111/1-A
Matrix: Water
Analysis Batch: 227358

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 227111

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		01/24/12 12:03	01/25/12 18:05	1
Arsenic	1.3	U	2.5	1.3	ug/L		01/24/12 12:03	01/25/12 18:05	1
Barium	1.3	U	5.0	1.3	ug/L		01/24/12 12:03	01/25/12 18:05	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/24/12 12:03	01/25/12 18:05	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/24/12 12:03	01/25/12 18:05	1
Chromium	2.5	U	5.0	2.5	ug/L		01/24/12 12:03	01/25/12 18:05	1
Lead	0.20	U	1.5	0.20	ug/L		01/24/12 12:03	01/25/12 18:05	1
Cobalt	0.15	U	0.50	0.15	ug/L		01/24/12 12:03	01/25/12 18:05	1
Nickel	2.0	U	5.0	2.0	ug/L		01/24/12 12:03	01/25/12 18:05	1
Copper	1.1	U	5.0	1.1	ug/L		01/24/12 12:03	01/25/12 18:05	1
Selenium	1.0	U	2.5	1.0	ug/L		01/24/12 12:03	01/25/12 18:05	1
Silver	0.25	U	1.0	0.25	ug/L		01/24/12 12:03	01/25/12 18:05	1
Thallium	0.50	U	1.0	0.50	ug/L		01/24/12 12:03	01/25/12 18:05	1
Vanadium	3.8	U	10	3.8	ug/L		01/24/12 12:03	01/25/12 18:05	1
Zinc	8.3	U	20	8.3	ug/L		01/24/12 12:03	01/25/12 18:05	1

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

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

Lab Sample ID: LCS 680-227111/2-A
Matrix: Water
Analysis Batch: 227375

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 227111

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	5500		ug/L		110	75 - 125
Sodium	5.00	5.34		mg/L		107	75 - 125

Lab Sample ID: LCS 680-227111/2-A
Matrix: Water
Analysis Batch: 227358

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 227111

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	56.7		ug/L		113	75 - 125
Arsenic	100	106		ug/L		106	75 - 125
Barium	100	112		ug/L		112	75 - 125
Beryllium	50.0	50.8		ug/L		102	75 - 125
Cadmium	50.0	54.7		ug/L		109	75 - 125
Chromium	100	112		ug/L		112	75 - 125
Lead	50.0	55.4		ug/L		111	75 - 125
Cobalt	50.0	53.7		ug/L		107	75 - 125
Nickel	100	115		ug/L		115	75 - 125
Copper	100	117		ug/L		117	75 - 125
Selenium	100	99.2		ug/L		99	75 - 125
Silver	50.0	55.2		ug/L		110	75 - 125
Thallium	40.0	43.1		ug/L		108	75 - 125
Vanadium	100	110		ug/L		110	75 - 125
Zinc	100	110		ug/L		110	75 - 125

Lab Sample ID: 680-76167-E-6-B MS
Matrix: Water
Analysis Batch: 227375

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 227111

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	18000	J3	5000	21400	J3	ug/L		72	75 - 125
Sodium	5.9		5.00	10.2		mg/L		86	75 - 125

Lab Sample ID: 680-76167-E-6-B MS
Matrix: Water
Analysis Batch: 227358

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 227111

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	2.3	U	50.0	57.3		ug/L		115	75 - 125
Arsenic	2.2	I	100	102		ug/L		100	75 - 125
Barium	200		100	314		ug/L		117	75 - 125
Beryllium	0.25	U	50.0	46.3		ug/L		93	75 - 125
Cadmium	0.095	U	50.0	54.2		ug/L		108	75 - 125
Chromium	2.5	U	100	104		ug/L		104	75 - 125
Lead	0.47	I	50.0	54.4		ug/L		108	75 - 125
Cobalt	0.55		50.0	53.6		ug/L		106	75 - 125
Nickel	2.0	U	100	104		ug/L		104	75 - 125
Copper	1.1	U	100	104		ug/L		104	75 - 125
Selenium	1.0	U	100	105		ug/L		105	75 - 125
Silver	0.25	U	50.0	53.3		ug/L		107	75 - 125
Thallium	0.50	U	40.0	42.6		ug/L		107	75 - 125

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

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

Lab Sample ID: 680-76167-E-6-B MS

Matrix: Water

Analysis Batch: 227358

Client Sample ID: Matrix Spike

Prep Type: Total Recoverable

Prep Batch: 227111

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Vanadium	3.8	U	100	105		ug/L		105	75 - 125	
Zinc	19	I	100	117		ug/L		98	75 - 125	

Lab Sample ID: 680-76167-E-6-C MSD

Matrix: Water

Analysis Batch: 227375

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total Recoverable

Prep Batch: 227111

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Iron	18000	J3	5000	22000		ug/L		83	75 - 125	3	20	
Sodium	5.9		5.00	10.5		mg/L		91	75 - 125	3	20	

Lab Sample ID: 680-76167-E-6-C MSD

Matrix: Water

Analysis Batch: 227358

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total Recoverable

Prep Batch: 227111

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Antimony	2.3	U	50.0	57.7		ug/L		115	75 - 125	1	20	
Arsenic	2.2	I	100	103		ug/L		101	75 - 125	1	20	
Barium	200		100	316		ug/L		118	75 - 125	0	20	
Beryllium	0.25	U	50.0	47.2		ug/L		94	75 - 125	2	20	
Cadmium	0.095	U	50.0	55.0		ug/L		110	75 - 125	2	20	
Chromium	2.5	U	100	105		ug/L		105	75 - 125	0	20	
Lead	0.47	I	50.0	55.9		ug/L		111	75 - 125	3	20	
Cobalt	0.55		50.0	54.9		ug/L		109	75 - 125	2	20	
Nickel	2.0	U	100	104		ug/L		104	75 - 125	0	20	
Copper	1.1	U	100	103		ug/L		103	75 - 125	0	20	
Selenium	1.0	U	100	108		ug/L		108	75 - 125	2	20	
Silver	0.25	U	50.0	53.9		ug/L		108	75 - 125	1	20	
Thallium	0.50	U	40.0	44.0		ug/L		110	75 - 125	3	20	
Vanadium	3.8	U	100	105		ug/L		105	75 - 125	0	20	
Zinc	19	I	100	116		ug/L		96	75 - 125	1	20	

Lab Sample ID: MB 680-227146/1-A

Matrix: Water

Analysis Batch: 227476

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 227146

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	2.3	U	5.0	2.3	ug/L		01/24/12 16:38	01/26/12 10:51	1
Arsenic	1.3	U	2.5	1.3	ug/L		01/24/12 16:38	01/26/12 10:51	1
Barium	1.3	U	5.0	1.3	ug/L		01/24/12 16:38	01/26/12 10:51	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/24/12 16:38	01/26/12 10:51	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/24/12 16:38	01/26/12 10:51	1
Chromium	2.5	U	5.0	2.5	ug/L		01/24/12 16:38	01/26/12 10:51	1
Lead	0.20	U	1.5	0.20	ug/L		01/24/12 16:38	01/26/12 10:51	1
Cobalt	0.15	U	0.50	0.15	ug/L		01/24/12 16:38	01/26/12 10:51	1
Nickel	2.0	U	5.0	2.0	ug/L		01/24/12 16:38	01/26/12 10:51	1
Copper	1.1	U	5.0	1.1	ug/L		01/24/12 16:38	01/26/12 10:51	1
Selenium	1.0	U	2.5	1.0	ug/L		01/24/12 16:38	01/26/12 10:51	1
Iron	33	U	100	33	ug/L		01/24/12 16:38	01/26/12 10:51	1
Silver	0.25	U	1.0	0.25	ug/L		01/24/12 16:38	01/26/12 10:51	1

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

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

Lab Sample ID: MB 680-227146/1-A
Matrix: Water
Analysis Batch: 227476

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 227146

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.50	U	1.0	0.50	ug/L		01/24/12 16:38	01/26/12 10:51	1
Vanadium	3.8	U	10	3.8	ug/L		01/24/12 16:38	01/26/12 10:51	1
Sodium	0.25	U	0.50	0.25	mg/L		01/24/12 16:38	01/26/12 10:51	1
Zinc	8.3	U	20	8.3	ug/L		01/24/12 16:38	01/26/12 10:51	1

Lab Sample ID: LCS 680-227146/2-A
Matrix: Water
Analysis Batch: 227476

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 227146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Antimony	50.0	68.8	J3	ug/L		138	75 - 125	
Arsenic	100	108		ug/L		108	75 - 125	
Barium	100	107		ug/L		107	75 - 125	
Beryllium	50.0	54.7		ug/L		109	75 - 125	
Cadmium	50.0	57.9		ug/L		116	75 - 125	
Chromium	100	106		ug/L		106	75 - 125	
Lead	50.0	57.1		ug/L		114	75 - 125	
Cobalt	50.0	54.5		ug/L		109	75 - 125	
Nickel	100	108		ug/L		108	75 - 125	
Copper	100	111		ug/L		111	75 - 125	
Selenium	100	113		ug/L		113	75 - 125	
Iron	5000	5490		ug/L		110	75 - 125	
Silver	50.0	57.6		ug/L		115	75 - 125	
Thallium	40.0	43.9		ug/L		110	75 - 125	
Vanadium	100	106		ug/L		106	75 - 125	
Sodium	5.00	5.32		mg/L		106	75 - 125	
Zinc	100	110		ug/L		110	75 - 125	

Lab Sample ID: MB 680-227737/1-A
Matrix: Water
Analysis Batch: 227907

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 227737

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	0.25	U	0.50	0.25	mg/L		01/31/12 08:49	01/31/12 20:25	1

Lab Sample ID: MB 680-227737/1-A
Matrix: Water
Analysis Batch: 227898

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 227737

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		01/31/12 08:49	02/01/12 09:26	1
Arsenic	1.3	U	2.5	1.3	ug/L		01/31/12 08:49	02/01/12 09:26	1
Barium	1.3	U	5.0	1.3	ug/L		01/31/12 08:49	02/01/12 09:26	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/31/12 08:49	02/01/12 09:26	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/31/12 08:49	02/01/12 09:26	1
Chromium	2.5	U	5.0	2.5	ug/L		01/31/12 08:49	02/01/12 09:26	1
Lead	0.20	U	1.5	0.20	ug/L		01/31/12 08:49	02/01/12 09:26	1
Cobalt	0.15	U	0.50	0.15	ug/L		01/31/12 08:49	02/01/12 09:26	1
Nickel	2.0	U	5.0	2.0	ug/L		01/31/12 08:49	02/01/12 09:26	1
Copper	1.1	U	5.0	1.1	ug/L		01/31/12 08:49	02/01/12 09:26	1

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

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

Lab Sample ID: MB 680-227737/1-A
Matrix: Water
Analysis Batch: 227898

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 227737

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Selenium	1.0	U	2.5	1.0	ug/L		01/31/12 08:49	02/01/12 09:26	1
Iron	33	U	100	33	ug/L		01/31/12 08:49	02/01/12 09:26	1
Silver	0.25	U	1.0	0.25	ug/L		01/31/12 08:49	02/01/12 09:26	1
Thallium	0.50	U	1.0	0.50	ug/L		01/31/12 08:49	02/01/12 09:26	1
Vanadium	3.8	U	10	3.8	ug/L		01/31/12 08:49	02/01/12 09:26	1
Zinc	8.3	U	20	8.3	ug/L		01/31/12 08:49	02/01/12 09:26	1

Lab Sample ID: LCS 680-227737/2-A
Matrix: Water
Analysis Batch: 227907

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 227737

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	
Sodium	5.00	5.05		mg/L		101	75 - 125	

Lab Sample ID: LCS 680-227737/2-A
Matrix: Water
Analysis Batch: 227898

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 227737

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	
Antimony	50.0	58.7		ug/L		117	75 - 125	
Arsenic	100	92.8		ug/L		93	75 - 125	
Barium	100	116		ug/L		116	75 - 125	
Beryllium	50.0	55.3		ug/L		111	75 - 125	
Cadmium	50.0	52.4		ug/L		105	75 - 125	
Chromium	100	101		ug/L		101	75 - 125	
Lead	50.0	56.6		ug/L		113	75 - 125	
Cobalt	50.0	54.7		ug/L		109	75 - 125	
Nickel	100	104		ug/L		104	75 - 125	
Copper	100	105		ug/L		105	75 - 125	
Selenium	100	89.3		ug/L		89	75 - 125	
Iron	5000	5280		ug/L		106	75 - 125	
Silver	50.0	55.8		ug/L		112	75 - 125	
Thallium	40.0	43.6		ug/L		109	75 - 125	
Vanadium	100	101		ug/L		101	75 - 125	
Zinc	100	98.3		ug/L		98	75 - 125	

Lab Sample ID: 680-76442-A-3-B MS
Matrix: Water
Analysis Batch: 227898

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 227737

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	
Antimony	2.3	U	50.0	54.0		ug/L		108	75 - 125	
Arsenic	1.3	U	100	93.4		ug/L		93	75 - 125	
Barium	39		100	149		ug/L		110	75 - 125	
Beryllium	0.25	U	50.0	52.2		ug/L		104	75 - 125	
Cadmium	0.095	U	50.0	49.1		ug/L		98	75 - 125	
Chromium	2.5	U	100	104		ug/L		104	75 - 125	
Lead	1.3	I	50.0	53.2		ug/L		104	75 - 125	
Cobalt	1.4		50.0	51.6		ug/L		100	75 - 125	
Nickel	2.0	U	100	106		ug/L		106	75 - 125	

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

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

Lab Sample ID: 680-76442-A-3-B MS

Matrix: Water

Analysis Batch: 227898

Client Sample ID: Matrix Spike

Prep Type: Total Recoverable

Prep Batch: 227737

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Copper	2.9	I	100	108		ug/L		105	75 - 125	
Selenium	1.0	U	100	89.5		ug/L		89	75 - 125	
Iron	2000		5000	7420		ug/L		109	75 - 125	
Silver	0.25	U	50.0	51.8		ug/L		104	75 - 125	
Thallium	0.50	U	40.0	40.3		ug/L		101	75 - 125	
Vanadium	4.0	I	100	105		ug/L		101	75 - 125	
Sodium	5.2		5.00	10.2		mg/L		99	75 - 125	
Zinc	8.3	U	100	93.6		ug/L		94	75 - 125	

Lab Sample ID: 680-76442-A-3-C MSD

Matrix: Water

Analysis Batch: 227898

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total Recoverable

Prep Batch: 227737

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Antimony	2.3	U	50.0	52.7		ug/L		105	75 - 125	2	20	
Arsenic	1.3	U	100	89.8		ug/L		90	75 - 125	4	20	
Barium	39		100	145		ug/L		106	75 - 125	3	20	
Beryllium	0.25	U	50.0	51.0		ug/L		102	75 - 125	2	20	
Cadmium	0.095	U	50.0	48.6		ug/L		97	75 - 125	1	20	
Chromium	2.5	U	100	101		ug/L		101	75 - 125	3	20	
Lead	1.3	I	50.0	52.6		ug/L		102	75 - 125	1	20	
Cobalt	1.4		50.0	50.5		ug/L		98	75 - 125	2	20	
Nickel	2.0	U	100	102		ug/L		102	75 - 125	3	20	
Copper	2.9	I	100	104		ug/L		102	75 - 125	3	20	
Selenium	1.0	U	100	86.7		ug/L		87	75 - 125	3	20	
Iron	2000		5000	7150		ug/L		104	75 - 125	4	20	
Silver	0.25	U	50.0	51.1		ug/L		102	75 - 125	1	20	
Thallium	0.50	U	40.0	39.8		ug/L		100	75 - 125	1	20	
Vanadium	4.0	I	100	101		ug/L		97	75 - 125	4	20	
Sodium	5.2		5.00	9.63		mg/L		88	75 - 125	5	20	
Zinc	8.3	U	100	93.0		ug/L		93	75 - 125	1	20	

Lab Sample ID: 400-62499-B-3-B MS

Matrix: Water

Analysis Batch: 227476

Client Sample ID: Matrix Spike

Prep Type: Dissolved

Prep Batch: 227146

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Antimony	2.3	U J3	50.0	74.3	J3	ug/L		149	75 - 125	
Arsenic	1.3	U	100	117		ug/L		117	75 - 125	
Barium	55		100	176		ug/L		120	75 - 125	
Beryllium	0.25	U	50.0	60.2		ug/L		120	75 - 125	
Cadmium	0.095	U	50.0	62.1		ug/L		124	75 - 125	
Chromium	2.5	U	100	115		ug/L		115	75 - 125	
Lead	0.20	U	50.0	59.9		ug/L		120	75 - 125	
Cobalt	0.15	U	50.0	57.5		ug/L		115	75 - 125	
Nickel	6.6		100	119		ug/L		112	75 - 125	
Copper	1.1	U	100	116		ug/L		116	75 - 125	
Selenium	1.0	U	100	120		ug/L		120	75 - 125	
Iron	630		5000	6480		ug/L		117	75 - 125	
Silver	0.25	U	50.0	59.2		ug/L		118	75 - 125	

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

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

Lab Sample ID: 400-62499-B-3-B MS

Matrix: Water

Analysis Batch: 227476

Client Sample ID: Matrix Spike

Prep Type: Dissolved

Prep Batch: 227146

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	Limits
Thallium	0.50	U	40.0	46.2		ug/L		116	75 - 125	
Vanadium	3.8	U	100	111		ug/L		111	75 - 125	
Sodium	140	J3	5.00	168	J3	mg/L		532	75 - 125	
Zinc	8.3	U	100	119		ug/L		119	75 - 125	

Lab Sample ID: 400-62499-B-3-C MSD

Matrix: Water

Analysis Batch: 227476

Client Sample ID: Matrix Spike Duplicate

Prep Type: Dissolved

Prep Batch: 227146

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit	
Antimony	2.3	U J3	50.0	76.9	J3	ug/L		154	75 - 125	3	20	
Arsenic	1.3	U	100	117		ug/L		117	75 - 125	0	20	
Barium	55		100	179		ug/L		124	75 - 125	2	20	
Beryllium	0.25	U	50.0	59.6		ug/L		119	75 - 125	1	20	
Cadmium	0.095	U	50.0	62.4		ug/L		125	75 - 125	1	20	
Chromium	2.5	U	100	117		ug/L		117	75 - 125	2	20	
Lead	0.20	U	50.0	61.2		ug/L		122	75 - 125	2	20	
Cobalt	0.15	U	50.0	58.6		ug/L		117	75 - 125	2	20	
Nickel	6.6		100	124		ug/L		117	75 - 125	4	20	
Copper	1.1	U	100	118		ug/L		118	75 - 125	2	20	
Selenium	1.0	U	100	119		ug/L		119	75 - 125	1	20	
Iron	630		5000	6650		ug/L		120	75 - 125	3	20	
Silver	0.25	U	50.0	60.4		ug/L		121	75 - 125	2	20	
Thallium	0.50	U	40.0	47.0		ug/L		118	75 - 125	2	20	
Vanadium	3.8	U	100	115		ug/L		115	75 - 125	4	20	
Sodium	140	J3	5.00	173	J3	mg/L		619	75 - 125	3	20	
Zinc	8.3	U	100	122		ug/L		122	75 - 125	2	20	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-226750/1-A

Matrix: Water

Analysis Batch: 226822

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 226750

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.091	U	0.20	0.091	ug/L		01/20/12 08:57	01/20/12 13:55	1

Lab Sample ID: LCS 680-226750/2-A

Matrix: Water

Analysis Batch: 226822

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 226750

Analyte	Spike	LCS LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	Limits
Mercury	2.50	2.12		ug/L		85	80 - 120	

Lab Sample ID: 640-36967-C-2-B MS

Matrix: Water

Analysis Batch: 226822

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 226750

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	Limits
Mercury	0.091	U J3	1.00	0.776	J3	ug/L		78	80 - 120	

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

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

Lab Sample ID: 640-36967-C-2-C MSD

Matrix: Water

Analysis Batch: 226822

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 226750

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.091	U J3	1.00	0.788	J3	ug/L		79	80 - 120	1	20

Lab Sample ID: MB 680-227177/1-A

Matrix: Water

Analysis Batch: 227278

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 227177

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		01/25/12 09:01	01/25/12 12:59	1

Lab Sample ID: LCS 680-227177/2-A

Matrix: Water

Analysis Batch: 227278

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 227177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.57		ug/L		103	80 - 120

Lab Sample ID: 660-45781-1 MS

Matrix: Ground Water

Analysis Batch: 227278

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 227177

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.091	U	1.00	1.05		ug/L		105	80 - 120

Lab Sample ID: 660-45781-1 MSD

Matrix: Ground Water

Analysis Batch: 227278

Client Sample ID: MW-6

Prep Type: Total/NA

Prep Batch: 227177

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	1.09		ug/L		109	80 - 120	4	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 660-120356/10

Matrix: Water

Analysis Batch: 120356

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			01/26/12 11:16	1

Lab Sample ID: LCS 660-120356/11

Matrix: Water

Analysis Batch: 120356

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	9.49		mg/L		95	90 - 110

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 660-45781-1 MS
Matrix: Ground Water
Analysis Batch: 120356

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	J3	100	371	J3	mg/L		122	90 - 110

Lab Sample ID: 660-45781-1 MSD
Matrix: Ground Water
Analysis Batch: 120356

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	J3	100	362	J3	mg/L		113	90 - 110	2	30

Lab Sample ID: 660-45783-4 MS
Matrix: Ground Water
Analysis Batch: 120356

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	6.0		10.0	16.8		mg/L		108	90 - 110

Lab Sample ID: 660-45783-4 MSD
Matrix: Ground Water
Analysis Batch: 120356

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	6.0		10.0	16.7		mg/L		107	90 - 110	0	30

Lab Sample ID: MB 660-120398/3
Matrix: Water
Analysis Batch: 120398

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			01/27/12 09:31	1

Lab Sample ID: LCS 660-120398/4
Matrix: Water
Analysis Batch: 120398

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	10.4		mg/L		104	90 - 110

Lab Sample ID: 660-45734-4 MS
Matrix: Ground Water
Analysis Batch: 120398

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	4.4	J3	10.0	13.1	J3	mg/L		87	90 - 110

Lab Sample ID: 660-45734-4 MSD
Matrix: Ground Water
Analysis Batch: 120398

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	4.4	J3	10.0	14.9		mg/L		105	90 - 110	13	30

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 660-120299/11
Matrix: Water
Analysis Batch: 120299

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	0.020	0.010	mg/L			01/25/12 19:35	1

Lab Sample ID: LCS 660-120299/12
Matrix: Water
Analysis Batch: 120299

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	0.525		mg/L		105	90 - 110

Lab Sample ID: 660-45821-A-11 MS ^24
Matrix: Water
Analysis Batch: 120299

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
Ammonia as N	47	J3	24.0	41.5	J3	mg/L		-21	90 - 110

Lab Sample ID: 660-45821-A-11 MSD ^24
Matrix: Water
Analysis Batch: 120299

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
Ammonia as N	47	J3	24.0	46.1	J3	mg/L		-2	90 - 110	10	30

Lab Sample ID: MB 660-120300/3
Matrix: Water
Analysis Batch: 120300

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	0.020	0.010	mg/L			01/25/12 20:43	1

Lab Sample ID: LCS 660-120300/4
Matrix: Water
Analysis Batch: 120300

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	0.529		mg/L		106	90 - 110

Lab Sample ID: 660-45734-5 MS
Matrix: Ground Water
Analysis Batch: 120300

Client Sample ID: MW-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	0.025	J3	1.00	0.841	J3	mg/L		82	90 - 110

Lab Sample ID: 660-45734-5 MSD
Matrix: Ground Water
Analysis Batch: 120300

Client Sample ID: MW-15
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	0.025	J3	1.00	0.888	J3	mg/L		86	90 - 110	5	30

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 660-45783-3 MS
Matrix: Ground Water
Analysis Batch: 120300

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia as N	1.2		1.00	2.22		mg/L		99	90 - 110

Lab Sample ID: 660-45783-3 MSD
Matrix: Ground Water
Analysis Batch: 120300

Client Sample ID: MW-20
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	1.2		1.00	2.22		mg/L		99	90 - 110	0	30

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 660-120025/14
Matrix: Water
Analysis Batch: 120025

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			01/18/12 13:19	1

Lab Sample ID: LCS 660-120025/15
Matrix: Water
Analysis Batch: 120025

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	0.959		mg/L		96	90 - 110
Nitrite as N	0.500	0.489	I	mg/L		98	90 - 110

Lab Sample ID: 660-45734-2 MS
Matrix: Ground Water
Analysis Batch: 120025

Client Sample ID: MW-10
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	0.847	J3	mg/L		85	90 - 110
Nitrite as N	0.10		0.500	0.443	I J3	mg/L		89	90 - 110

Lab Sample ID: 660-45734-2 MSD
Matrix: Ground Water
Analysis Batch: 120025

Client Sample ID: MW-10
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	0.844	J3	mg/L		84	90 - 110	0	30
Nitrite as N	0.10		0.500	0.443	I J3	mg/L		89	90 - 110	0	30

Lab Sample ID: MB 660-120084/14
Matrix: Water
Analysis Batch: 120084

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			01/19/12 13:46	1

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: LCS 660-120084/15
Matrix: Water
Analysis Batch: 120084

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	0.955		mg/L		96	90 - 110
Nitrite as N	0.500	0.482	I	mg/L		96	90 - 110

Lab Sample ID: 660-45783-1 MS
Matrix: Ground Water
Analysis Batch: 120084

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	0.24		1.00	1.21		mg/L		98	90 - 110
Nitrite as N	0.10		0.500	0.499	I	mg/L		100	90 - 110

Lab Sample ID: 660-45783-1 MSD
Matrix: Ground Water
Analysis Batch: 120084

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	0.24		1.00	1.22		mg/L		99	90 - 110	1	30
Nitrite as N	0.10		0.500	0.504		mg/L		101	90 - 110	1	30

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

Lab Sample ID: MB 660-120120/1
Matrix: Water
Analysis Batch: 120120

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			01/20/12 14:48	1

Lab Sample ID: LCS 660-120120/2
Matrix: Water
Analysis Batch: 120120

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	9910		mg/L		99	80 - 120

Lab Sample ID: 660-45732-A-1 DU
Matrix: Water
Analysis Batch: 120120

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	720		736		mg/L		2	20

Lab Sample ID: 660-45783-4 DU
Matrix: Ground Water
Analysis Batch: 120120

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	10	U	10	U	mg/L		NC	20

QC Sample Results

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

TestAmerica Job ID: 660-45734-1

Method: SM 9222D by E83012 - Microbiology

Lab Sample ID: 12A4690-BLK1
Matrix: Water
Analysis Batch: 12A4690

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12A4690_P

Analyte	Blank Result	Blank Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fecal Coliform	1	U	1	1	CFU/100 ml		01/18/12 15:27	01/19/12 13:35	1.00

Lab Sample ID: 12A4690-DUP1
Matrix: Water
Analysis Batch: 12A4690

Client Sample ID: MW -6
Prep Type: Total
Prep Batch: 12A4690_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
Fecal Coliform	1	U	1	U	CFU/100 ml			15



QC Association Summary

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

TestAmerica Job ID: 660-45734-1

GC/MS VOA

Analysis Batch: 120079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45734-1 - DL	Equipment Blank 45734	Total/NA	Ground Water	8260B	
660-45734-1	Equipment Blank 45734	Total/NA	Ground Water	8260B	
660-45734-2	MW-10	Total/NA	Ground Water	8260B	
660-45734-3	MW-13	Total/NA	Ground Water	8260B	
660-45734-4	MW-14	Total/NA	Ground Water	8260B	
660-45734-5	MW-15	Total/NA	Ground Water	8260B	
660-45734-6	MW-17	Total/NA	Ground Water	8260B	
660-45734-7	MW-21	Total/NA	Ground Water	8260B	
660-45734-8	Trip Blank 1 45734	Total/NA	Ground Water	8260B	
660-45734-9	Trip Blank 2 45734	Total/NA	Ground Water	8260B	
660-45755-N-1 DU	Duplicate	Total/NA	Water	8260B	
660-45755-O-1 MS	Matrix Spike	Total/NA	Water	8260B	
LCS 660-120079/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-120079/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 120153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45781-1	MW-6	Total/NA	Ground Water	8260B	
660-45783-1	MW-11	Total/NA	Ground Water	8260B	
660-45783-2	MW-12	Total/NA	Ground Water	8260B	
660-45783-3	MW-20	Total/NA	Ground Water	8260B	
660-45783-4	MW-3	Total/NA	Ground Water	8260B	
660-45783-5	MW-7	Total/NA	Ground Water	8260B	
660-45786-19	MW-18	Total/NA	Ground Water	8260B	
660-45786-19 DU	MW-18	Total/NA	Ground Water	8260B	
660-45786-20	MW-19	Total/NA	Ground Water	8260B	
660-45786-20 MS	MW-19	Total/NA	Ground Water	8260B	
660-45786-21	Trip Blank Assessment 45786	Total/NA	Ground Water	8260B	
LCS 660-120153/3	Lab Control Sample	Total/NA	Water	8260B	
MB 660-120153/5	Method Blank	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 120092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45734-1	Equipment Blank 45734	Total/NA	Ground Water	8011	
660-45734-2	MW-10	Total/NA	Ground Water	8011	
660-45734-2 MS	MW-10	Total/NA	Ground Water	8011	
660-45734-3	MW-13	Total/NA	Ground Water	8011	
660-45734-3 DU	MW-13	Total/NA	Ground Water	8011	
660-45734-4	MW-14	Total/NA	Ground Water	8011	
660-45734-5	MW-15	Total/NA	Ground Water	8011	
660-45734-6	MW-17	Total/NA	Ground Water	8011	
660-45734-7	MW-21	Total/NA	Ground Water	8011	
660-45781-1	MW-6	Total/NA	Ground Water	8011	
660-45783-1	MW-11	Total/NA	Ground Water	8011	
660-45783-2	MW-12	Total/NA	Ground Water	8011	
660-45783-4	MW-3	Total/NA	Ground Water	8011	
660-45783-4 DU	MW-3	Total/NA	Ground Water	8011	
660-45783-5	MW-7	Total/NA	Ground Water	8011	
LCS 660-120092/2-A	Lab Control Sample	Total/NA	Water	8011	
MB 660-120092/1-A	Method Blank	Total/NA	Water	8011	

QC Association Summary

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

TestAmerica Job ID: 660-45734-1

GC Semi VOA (Continued)

Analysis Batch: 120171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45734-1	Equipment Blank 45734	Total/NA	Ground Water	8011	120092
660-45734-2	MW-10	Total/NA	Ground Water	8011	120092
660-45734-2 MS	MW-10	Total/NA	Ground Water	8011	120092
660-45734-3	MW-13	Total/NA	Ground Water	8011	120092
660-45734-3 DU	MW-13	Total/NA	Ground Water	8011	120092
660-45734-4	MW-14	Total/NA	Ground Water	8011	120092
660-45734-5	MW-15	Total/NA	Ground Water	8011	120092
660-45734-6	MW-17	Total/NA	Ground Water	8011	120092
660-45734-7	MW-21	Total/NA	Ground Water	8011	120092
660-45781-1	MW-6	Total/NA	Ground Water	8011	120092
660-45783-1	MW-11	Total/NA	Ground Water	8011	120092
660-45783-2	MW-12	Total/NA	Ground Water	8011	120092
660-45783-4	MW-3	Total/NA	Ground Water	8011	120092
660-45783-4 DU	MW-3	Total/NA	Ground Water	8011	120092
660-45783-5	MW-7	Total/NA	Ground Water	8011	120092
LCS 660-120092/2-A	Lab Control Sample	Total/NA	Water	8011	120092

Analysis Batch: 120172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 660-120092/1-A	Method Blank	Total/NA	Water	8011	120092

Prep Batch: 120346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45783-3	MW-20	Total/NA	Ground Water	8011	
LCS 660-120346/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 660-120346/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 660-120346/1-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 120384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45783-3	MW-20	Total/NA	Ground Water	8011	120346
LCS 660-120346/2-A	Lab Control Sample	Total/NA	Water	8011	120346
LCSD 660-120346/3-A	Lab Control Sample Dup	Total/NA	Water	8011	120346
MB 660-120346/1-A	Method Blank	Total/NA	Water	8011	120346

Metals

Prep Batch: 226750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-36967-C-2-B MS	Matrix Spike	Total/NA	Water	7470A	
640-36967-C-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	
660-45734-2	MW-10	Total/NA	Ground Water	7470A	
660-45734-2	MW-10	Dissolved	Ground Water	7470A	
660-45734-7	MW-21	Total/NA	Ground Water	7470A	
660-45734-7	MW-21	Dissolved	Ground Water	7470A	
LCS 680-226750/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-226750/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 226822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-36967-C-2-B MS	Matrix Spike	Total/NA	Water	7470A	226750
640-36967-C-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	226750

QC Association Summary

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

TestAmerica Job ID: 660-45734-1

Metals (Continued)

Analysis Batch: 226822 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45734-2	MW-10	Total/NA	Ground Water	7470A	226750
660-45734-2	MW-10	Dissolved	Ground Water	7470A	226750
660-45734-7	MW-21	Total/NA	Ground Water	7470A	226750
660-45734-7	MW-21	Dissolved	Ground Water	7470A	226750
LCS 680-226750/2-A	Lab Control Sample	Total/NA	Water	7470A	226750
MB 680-226750/1-A	Method Blank	Total/NA	Water	7470A	226750

Prep Batch: 227111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45781-1	MW-6	Total Recoverable	Ground Water	3005A	
660-45783-1	MW-11	Total Recoverable	Ground Water	3005A	
660-45783-2	MW-12	Total Recoverable	Ground Water	3005A	
660-45783-3	MW-20	Total Recoverable	Ground Water	3005A	
660-45783-4	MW-3	Total Recoverable	Ground Water	3005A	
660-45783-5	MW-7	Total Recoverable	Ground Water	3005A	
680-76167-E-6-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-76167-E-6-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
LCS 680-227111/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-227111/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 227146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-62499-B-3-B MS	Matrix Spike	Dissolved	Water	3005A	
400-62499-B-3-C MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	
660-45734-1	Equipment Blank 45734	Total Recoverable	Ground Water	3005A	
660-45734-3	MW-13	Total Recoverable	Ground Water	3005A	
660-45734-4	MW-14	Total Recoverable	Ground Water	3005A	
660-45734-5	MW-15	Total Recoverable	Ground Water	3005A	
660-45734-6	MW-17	Total Recoverable	Ground Water	3005A	
660-45734-7	MW-21	Dissolved	Ground Water	3005A	
660-45734-7	MW-21	Total Recoverable	Ground Water	3005A	
LCS 680-227146/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-227146/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 227177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45734-1	Equipment Blank 45734	Total/NA	Ground Water	7470A	
660-45734-3	MW-13	Total/NA	Ground Water	7470A	
660-45734-4	MW-14	Total/NA	Ground Water	7470A	
660-45734-5	MW-15	Total/NA	Ground Water	7470A	
660-45734-6	MW-17	Total/NA	Ground Water	7470A	
660-45781-1	MW-6	Total/NA	Ground Water	7470A	
660-45781-1 MS	MW-6	Total/NA	Ground Water	7470A	
660-45781-1 MSD	MW-6	Total/NA	Ground Water	7470A	
660-45783-1	MW-11	Total/NA	Ground Water	7470A	
660-45783-2	MW-12	Total/NA	Ground Water	7470A	
660-45783-3	MW-20	Total/NA	Ground Water	7470A	
660-45783-4	MW-3	Total/NA	Ground Water	7470A	
660-45783-5	MW-7	Total/NA	Ground Water	7470A	
LCS 680-227177/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-227177/1-A	Method Blank	Total/NA	Water	7470A	

QC Association Summary

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

TestAmerica Job ID: 660-45734-1

Metals (Continued)

Analysis Batch: 227278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45734-1	Equipment Blank 45734	Total/NA	Ground Water	7470A	227177
660-45734-3	MW-13	Total/NA	Ground Water	7470A	227177
660-45734-4	MW-14	Total/NA	Ground Water	7470A	227177
660-45734-5	MW-15	Total/NA	Ground Water	7470A	227177
660-45734-6	MW-17	Total/NA	Ground Water	7470A	227177
660-45781-1	MW-6	Total/NA	Ground Water	7470A	227177
660-45781-1 MS	MW-6	Total/NA	Ground Water	7470A	227177
660-45781-1 MSD	MW-6	Total/NA	Ground Water	7470A	227177
660-45783-1	MW-11	Total/NA	Ground Water	7470A	227177
660-45783-2	MW-12	Total/NA	Ground Water	7470A	227177
660-45783-3	MW-20	Total/NA	Ground Water	7470A	227177
660-45783-4	MW-3	Total/NA	Ground Water	7470A	227177
660-45783-5	MW-7	Total/NA	Ground Water	7470A	227177
LCS 680-227177/2-A	Lab Control Sample	Total/NA	Water	7470A	227177
MB 680-227177/1-A	Method Blank	Total/NA	Water	7470A	227177

Analysis Batch: 227358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45781-1	MW-6	Total Recoverable	Ground Water	6020	227111
660-45783-1	MW-11	Total Recoverable	Ground Water	6020	227111
660-45783-2	MW-12	Total Recoverable	Ground Water	6020	227111
660-45783-3	MW-20	Total Recoverable	Ground Water	6020	227111
660-45783-4	MW-3	Total Recoverable	Ground Water	6020	227111
660-45783-5	MW-7	Total Recoverable	Ground Water	6020	227111
680-76167-E-6-B MS	Matrix Spike	Total Recoverable	Water	6020	227111
680-76167-E-6-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020	227111
LCS 680-227111/2-A	Lab Control Sample	Total Recoverable	Water	6020	227111
MB 680-227111/1-A	Method Blank	Total Recoverable	Water	6020	227111

Analysis Batch: 227375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45781-1	MW-6	Total Recoverable	Ground Water	6020	227111
660-45783-1	MW-11	Total Recoverable	Ground Water	6020	227111
660-45783-2	MW-12	Total Recoverable	Ground Water	6020	227111
660-45783-3	MW-20	Total Recoverable	Ground Water	6020	227111
660-45783-4	MW-3	Total Recoverable	Ground Water	6020	227111
660-45783-5	MW-7	Total Recoverable	Ground Water	6020	227111
680-76167-E-6-B MS	Matrix Spike	Total Recoverable	Water	6020	227111
680-76167-E-6-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020	227111
LCS 680-227111/2-A	Lab Control Sample	Total Recoverable	Water	6020	227111
MB 680-227111/1-A	Method Blank	Total Recoverable	Water	6020	227111

Analysis Batch: 227476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-62499-B-3-B MS	Matrix Spike	Dissolved	Water	6020	227146
400-62499-B-3-C MSD	Matrix Spike Duplicate	Dissolved	Water	6020	227146
660-45734-1	Equipment Blank 45734	Total Recoverable	Ground Water	6020	227146
660-45734-3	MW-13	Total Recoverable	Ground Water	6020	227146
660-45734-4	MW-14	Total Recoverable	Ground Water	6020	227146
660-45734-5	MW-15	Total Recoverable	Ground Water	6020	227146
660-45734-6	MW-17	Total Recoverable	Ground Water	6020	227146
660-45734-7	MW-21	Dissolved	Ground Water	6020	227146

QC Association Summary

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

TestAmerica Job ID: 660-45734-1

Metals (Continued)

Analysis Batch: 227476 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45734-7	MW-21	Total Recoverable	Ground Water	6020	227146
LCS 680-227146/2-A	Lab Control Sample	Total Recoverable	Water	6020	227146
MB 680-227146/1-A	Method Blank	Total Recoverable	Water	6020	227146

Prep Batch: 227737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45734-2	MW-10	Dissolved	Ground Water	3005A	
660-45734-2	MW-10	Total Recoverable	Ground Water	3005A	
680-76442-A-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-76442-A-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
LCS 680-227737/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-227737/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 227898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45734-2	MW-10	Dissolved	Ground Water	6020	227737
660-45734-2	MW-10	Total Recoverable	Ground Water	6020	227737
680-76442-A-3-B MS	Matrix Spike	Total Recoverable	Water	6020	227737
680-76442-A-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020	227737
LCS 680-227737/2-A	Lab Control Sample	Total Recoverable	Water	6020	227737
MB 680-227737/1-A	Method Blank	Total Recoverable	Water	6020	227737

Analysis Batch: 227907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45734-2	MW-10	Dissolved	Ground Water	6020	227737
660-45734-2	MW-10	Total Recoverable	Ground Water	6020	227737
680-76442-A-3-B MS	Matrix Spike	Total Recoverable	Water	6020	227737
680-76442-A-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020	227737
LCS 680-227737/2-A	Lab Control Sample	Total Recoverable	Water	6020	227737
MB 680-227737/1-A	Method Blank	Total Recoverable	Water	6020	227737

General Chemistry

Analysis Batch: 120025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45734-1	Equipment Blank 45734	Total/NA	Ground Water	353.2	
660-45734-2	MW-10	Total/NA	Ground Water	353.2	
660-45734-2 MS	MW-10	Total/NA	Ground Water	353.2	
660-45734-2 MSD	MW-10	Total/NA	Ground Water	353.2	
660-45734-3	MW-13	Total/NA	Ground Water	353.2	
660-45734-4	MW-14	Total/NA	Ground Water	353.2	
660-45734-5	MW-15	Total/NA	Ground Water	353.2	
660-45734-6	MW-17	Total/NA	Ground Water	353.2	
660-45734-7	MW-21	Total/NA	Ground Water	353.2	
LCS 660-120025/15	Lab Control Sample	Total/NA	Water	353.2	
MB 660-120025/14	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 120084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45781-1 - DL	MW-6	Total/NA	Ground Water	353.2	
660-45783-1	MW-11	Total/NA	Ground Water	353.2	
660-45783-1 MS	MW-11	Total/NA	Ground Water	353.2	

QC Association Summary

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

TestAmerica Job ID: 660-45734-1

General Chemistry (Continued)

Analysis Batch: 120084 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45783-1 MSD	MW-11	Total/NA	Ground Water	353.2	
660-45783-2	MW-12	Total/NA	Ground Water	353.2	
660-45783-3	MW-20	Total/NA	Ground Water	353.2	
660-45783-4	MW-3	Total/NA	Ground Water	353.2	
660-45783-5	MW-7	Total/NA	Ground Water	353.2	
LCS 660-120084/15	Lab Control Sample	Total/NA	Water	353.2	
MB 660-120084/14	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 120120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45732-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	
660-45734-1	Equipment Blank 45734	Total/NA	Ground Water	SM 2540C	
660-45734-2	MW-10	Total/NA	Ground Water	SM 2540C	
660-45734-3	MW-13	Total/NA	Ground Water	SM 2540C	
660-45734-4	MW-14	Total/NA	Ground Water	SM 2540C	
660-45734-5	MW-15	Total/NA	Ground Water	SM 2540C	
660-45734-6	MW-17	Total/NA	Ground Water	SM 2540C	
660-45734-7	MW-21	Total/NA	Ground Water	SM 2540C	
660-45781-1	MW-6	Total/NA	Ground Water	SM 2540C	
660-45783-1	MW-11	Total/NA	Ground Water	SM 2540C	
660-45783-2	MW-12	Total/NA	Ground Water	SM 2540C	
660-45783-3	MW-20	Total/NA	Ground Water	SM 2540C	
660-45783-4	MW-3	Total/NA	Ground Water	SM 2540C	
660-45783-4 DU	MW-3	Total/NA	Ground Water	SM 2540C	
660-45783-5	MW-7	Total/NA	Ground Water	SM 2540C	
LCS 660-120120/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-120120/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 120299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45781-1	MW-6	Total/NA	Ground Water	350.1	
660-45783-1	MW-11	Total/NA	Ground Water	350.1	
660-45783-2	MW-12	Total/NA	Ground Water	350.1	
660-45821-A-11 MS ^24	Matrix Spike	Total/NA	Water	350.1	
660-45821-A-11 MSD ^24	Matrix Spike Duplicate	Total/NA	Water	350.1	
LCS 660-120299/12	Lab Control Sample	Total/NA	Water	350.1	
MB 660-120299/11	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 120300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45734-1	Equipment Blank 45734	Total/NA	Ground Water	350.1	
660-45734-2	MW-10	Total/NA	Ground Water	350.1	
660-45734-3	MW-13	Total/NA	Ground Water	350.1	
660-45734-4	MW-14	Total/NA	Ground Water	350.1	
660-45734-5	MW-15	Total/NA	Ground Water	350.1	
660-45734-5 MS	MW-15	Total/NA	Ground Water	350.1	
660-45734-5 MSD	MW-15	Total/NA	Ground Water	350.1	
660-45734-6	MW-17	Total/NA	Ground Water	350.1	
660-45734-7	MW-21	Total/NA	Ground Water	350.1	
660-45783-3	MW-20	Total/NA	Ground Water	350.1	
660-45783-3 MS	MW-20	Total/NA	Ground Water	350.1	
660-45783-3 MSD	MW-20	Total/NA	Ground Water	350.1	

QC Association Summary

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

TestAmerica Job ID: 660-45734-1

General Chemistry (Continued)

Analysis Batch: 120300 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45783-4	MW-3	Total/NA	Ground Water	350.1	
660-45783-5	MW-7	Total/NA	Ground Water	350.1	
LCS 660-120300/4	Lab Control Sample	Total/NA	Water	350.1	
MB 660-120300/3	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 120356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45781-1	MW-6	Total/NA	Ground Water	300.0	
660-45781-1 MS	MW-6	Total/NA	Ground Water	300.0	
660-45781-1 MSD	MW-6	Total/NA	Ground Water	300.0	
660-45783-1	MW-11	Total/NA	Ground Water	300.0	
660-45783-2	MW-12	Total/NA	Ground Water	300.0	
660-45783-3	MW-20	Total/NA	Ground Water	300.0	
660-45783-4	MW-3	Total/NA	Ground Water	300.0	
660-45783-4 MS	MW-3	Total/NA	Ground Water	300.0	
660-45783-4 MSD	MW-3	Total/NA	Ground Water	300.0	
660-45783-5	MW-7	Total/NA	Ground Water	300.0	
LCS 660-120356/11	Lab Control Sample	Total/NA	Water	300.0	
MB 660-120356/10	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 120398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45734-1	Equipment Blank 45734	Total/NA	Ground Water	300.0	
660-45734-2	MW-10	Total/NA	Ground Water	300.0	
660-45734-3	MW-13	Total/NA	Ground Water	300.0	
660-45734-4	MW-14	Total/NA	Ground Water	300.0	
660-45734-4 MS	MW-14	Total/NA	Ground Water	300.0	
660-45734-4 MSD	MW-14	Total/NA	Ground Water	300.0	
660-45734-5	MW-15	Total/NA	Ground Water	300.0	
660-45734-6	MW-17	Total/NA	Ground Water	300.0	
660-45734-7	MW-21	Total/NA	Ground Water	300.0	
LCS 660-120398/4	Lab Control Sample	Total/NA	Water	300.0	
MB 660-120398/3	Method Blank	Total/NA	Water	300.0	

Field Service / Mobile Lab

Analysis Batch: 120043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-45734-2	MW-10	Total/NA	Ground Water	Field Sampling	
660-45734-3	MW-13	Total/NA	Ground Water	Field Sampling	
660-45734-4	MW-14	Total/NA	Ground Water	Field Sampling	
660-45734-5	MW-15	Total/NA	Ground Water	Field Sampling	
660-45734-6	MW-17	Total/NA	Ground Water	Field Sampling	
660-45734-7	MW-21	Total/NA	Ground Water	Field Sampling	
660-45781-1	MW-6	Total/NA	Ground Water	Field Sampling	
660-45783-1	MW-11	Total/NA	Ground Water	Field Sampling	
660-45783-2	MW-12	Total/NA	Ground Water	Field Sampling	
660-45783-3	MW-20	Total/NA	Ground Water	Field Sampling	
660-45783-4	MW-3	Total/NA	Ground Water	Field Sampling	
660-45783-5	MW-7	Total/NA	Ground Water	Field Sampling	
660-45786-19	MW-18	Total/NA	Ground Water	Field Sampling	
660-45786-20	MW-19	Total/NA	Ground Water	Field Sampling	

QC Association Summary

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

TestAmerica Job ID: 660-45734-1

OrlandoSVC

Analysis Batch: 12A4690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A4690-BLK1	Method Blank	Total	Water	SM 9222D by E83012	12A4690_P
12A4690-DUP1	MW -6	Total	Water	SM 9222D by E83012	12A4690_P
660-45781-1	MW-6	Total	Ground Water	SM 9222D by E83012	12A4690_P

Prep Batch: 12A4690_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12A4690-BLK1	Method Blank	Total	Water	MF	
12A4690-DUP1	MW -6	Total	Water	MF	
660-45781-1	MW-6	Total	Ground Water	MF	

Lab Chronicle

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: Equipment Blank 45734

Lab Sample ID: 660-45734-1

Date Collected: 01/17/12 11:00

Matrix: Ground Water

Date Received: 01/18/12 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	120079	01/19/12 15:16	EC	TAL TAM
Total/NA	Analysis	8260B		1	120079	01/19/12 11:18	EC	TAL TAM
Total/NA	Prep	8011			120092	01/20/12 10:24	JB	TAL TAM
Total/NA	Analysis	8011		1	120171	01/20/12 17:19	JB	TAL TAM
Total/NA	Prep	7470A			227177	01/25/12 09:09	JKL	TAL SAV
Total/NA	Analysis	7470A		1	227278	01/25/12 13:14	JKL	TAL SAV
Total Recoverable	Prep	3005A			227146	01/24/12 16:38	CDJ	TAL SAV
Total Recoverable	Analysis	6020		1	227476	01/26/12 12:17	BB	TAL SAV
Total/NA	Analysis	353.2		1	120025	01/18/12 13:25	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	120120	01/20/12 14:51	TO	TAL TAM
Total/NA	Analysis	350.1		1	120300	01/25/12 20:55	TO	TAL TAM
Total/NA	Analysis	300.0		1	120398	01/27/12 10:03	TS	TAL TAM

Client Sample ID: MW-10

Lab Sample ID: 660-45734-2

Date Collected: 01/17/12 12:05

Matrix: Ground Water

Date Received: 01/18/12 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120079	01/19/12 12:19	EC	TAL TAM
Total/NA	Prep	8011			120092	01/20/12 10:24	JB	TAL TAM
Total/NA	Analysis	8011		1	120171	01/20/12 17:37	JB	TAL TAM
Total/NA	Prep	7470A			226750	01/20/12 08:57	JKL	TAL SAV
Total/NA	Analysis	7470A		1	226822	01/20/12 14:49	JKL	TAL SAV
Dissolved	Prep	7470A			226750	01/20/12 08:57	JKL	TAL SAV
Dissolved	Analysis	7470A		1	226822	01/20/12 14:56	JKL	TAL SAV
Dissolved	Prep	3005A			227737	01/31/12 08:49	CDJ	TAL SAV
Dissolved	Analysis	6020		1	227898	02/01/12 10:33	BR	TAL SAV
Total Recoverable	Prep	3005A			227737	01/31/12 08:49	CDJ	TAL SAV
Total Recoverable	Analysis	6020		1	227898	02/01/12 10:56	BR	TAL SAV
Dissolved	Analysis	6020		1	227907	01/31/12 21:33	BR	TAL SAV
Total Recoverable	Analysis	6020		1	227907	01/31/12 21:55	BR	TAL SAV
Total/NA	Analysis	353.2		1	120025	01/18/12 13:21	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	120120	01/20/12 14:51	TO	TAL TAM
Total/NA	Analysis	350.1		1	120300	01/25/12 20:56	TO	TAL TAM
Total/NA	Analysis	300.0		1	120398	01/27/12 10:18	TS	TAL TAM
Total/NA	Analysis	Field Sampling		1	120043	01/17/12 12:05		TAL TAM

Client Sample ID: MW-13

Lab Sample ID: 660-45734-3

Date Collected: 01/17/12 13:00

Matrix: Ground Water

Date Received: 01/18/12 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120079	01/19/12 12:40	EC	TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-13

Date Collected: 01/17/12 13:00

Date Received: 01/18/12 08:35

Lab Sample ID: 660-45734-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			120092	01/20/12 10:24	JB	TAL TAM
Total/NA	Analysis	8011		1	120171	01/20/12 18:12	JB	TAL TAM
Total/NA	Prep	7470A			227177	01/25/12 09:09	JKL	TAL SAV
Total/NA	Analysis	7470A		1	227278	01/25/12 13:18	JKL	TAL SAV
Total Recoverable	Prep	3005A			227146	01/24/12 16:38	CDJ	TAL SAV
Total Recoverable	Analysis	6020		1	227476	01/26/12 12:34	BB	TAL SAV
Total/NA	Analysis	353.2		1	120025	01/18/12 13:26	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	120120	01/20/12 14:52	TO	TAL TAM
Total/NA	Analysis	350.1		1	120300	01/25/12 20:57	TO	TAL TAM
Total/NA	Analysis	300.0		1	120398	01/27/12 10:34	TS	TAL TAM
Total/NA	Analysis	Field Sampling		1	120043	01/17/12 13:00		TAL TAM

Client Sample ID: MW-14

Date Collected: 01/17/12 11:20

Date Received: 01/18/12 08:35

Lab Sample ID: 660-45734-4

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120079	01/19/12 13:02	EC	TAL TAM
Total/NA	Prep	8011			120092	01/20/12 10:24	JB	TAL TAM
Total/NA	Analysis	8011		1	120171	01/20/12 18:47	JB	TAL TAM
Total/NA	Prep	7470A			227177	01/25/12 09:09	JKL	TAL SAV
Total/NA	Analysis	7470A		1	227278	01/25/12 13:21	JKL	TAL SAV
Total Recoverable	Prep	3005A			227146	01/24/12 16:38	CDJ	TAL SAV
Total Recoverable	Analysis	6020		1	227476	01/26/12 12:39	BB	TAL SAV
Total/NA	Analysis	353.2		1	120025	01/18/12 13:27	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	120120	01/20/12 14:53	TO	TAL TAM
Total/NA	Analysis	350.1		1	120300	01/25/12 20:58	TO	TAL TAM
Total/NA	Analysis	300.0		1	120398	01/27/12 10:50	TS	TAL TAM
Total/NA	Analysis	Field Sampling		1	120043	01/17/12 11:20		TAL TAM

Client Sample ID: MW-15

Date Collected: 01/17/12 12:20

Date Received: 01/18/12 08:35

Lab Sample ID: 660-45734-5

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120079	01/19/12 13:25	EC	TAL TAM
Total/NA	Prep	8011			120092	01/20/12 10:24	JB	TAL TAM
Total/NA	Analysis	8011		1	120171	01/20/12 19:05	JB	TAL TAM
Total/NA	Prep	7470A			227177	01/25/12 09:09	JKL	TAL SAV
Total/NA	Analysis	7470A		1	227278	01/25/12 13:24	JKL	TAL SAV
Total Recoverable	Prep	3005A			227146	01/24/12 16:38	CDJ	TAL SAV
Total Recoverable	Analysis	6020		1	227476	01/26/12 12:45	BB	TAL SAV
Total/NA	Analysis	353.2		1	120025	01/18/12 13:28	KW	TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-15

Lab Sample ID: 660-45734-5

Date Collected: 01/17/12 12:20

Matrix: Ground Water

Date Received: 01/18/12 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	120120	01/20/12 14:53	TO	TAL TAM
Total/NA	Analysis	350.1		1	120300	01/25/12 21:02	TO	TAL TAM
Total/NA	Analysis	300.0		1	120398	01/27/12 11:05	TS	TAL TAM
Total/NA	Analysis	Field Sampling		1	120043	01/17/12 12:20		TAL TAM

Client Sample ID: MW-17

Lab Sample ID: 660-45734-6

Date Collected: 01/17/12 13:31

Matrix: Ground Water

Date Received: 01/18/12 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120079	01/19/12 13:48	EC	TAL TAM
Total/NA	Prep	8011			120092	01/20/12 10:24	JB	TAL TAM
Total/NA	Analysis	8011		1	120171	01/20/12 19:23	JB	TAL TAM
Total/NA	Prep	7470A			227177	01/25/12 09:09	JKL	TAL SAV
Total/NA	Analysis	7470A		1	227278	01/25/12 13:28	JKL	TAL SAV
Total Recoverable	Prep	3005A			227146	01/24/12 16:38	CDJ	TAL SAV
Total Recoverable	Analysis	6020		1	227476	01/26/12 12:51	BB	TAL SAV
Total/NA	Analysis	353.2		1	120025	01/18/12 13:30	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	120120	01/20/12 14:54	TO	TAL TAM
Total/NA	Analysis	350.1		1	120300	01/25/12 21:06	TO	TAL TAM
Total/NA	Analysis	300.0		1	120398	01/27/12 11:21	TS	TAL TAM
Total/NA	Analysis	Field Sampling		1	120043	01/17/12 13:31		TAL TAM

Client Sample ID: MW-21

Lab Sample ID: 660-45734-7

Date Collected: 01/17/12 10:15

Matrix: Ground Water

Date Received: 01/18/12 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120079	01/19/12 14:08	EC	TAL TAM
Total/NA	Prep	8011			120092	01/20/12 10:24	JB	TAL TAM
Total/NA	Analysis	8011		1	120171	01/20/12 19:40	JB	TAL TAM
Total/NA	Prep	7470A			226750	01/20/12 08:57	JKL	TAL SAV
Total/NA	Analysis	7470A		1	226822	01/20/12 14:52	JKL	TAL SAV
Dissolved	Prep	7470A			226750	01/20/12 10:16	JKL	TAL SAV
Dissolved	Analysis	7470A		1	226822	01/20/12 14:59	JKL	TAL SAV
Dissolved	Prep	3005A			227146	01/24/12 16:38	CDJ	TAL SAV
Dissolved	Analysis	6020		1	227476	01/26/12 13:36	BB	TAL SAV
Total Recoverable	Prep	3005A			227146	01/24/12 16:38	CDJ	TAL SAV
Total Recoverable	Analysis	6020		1	227476	01/26/12 13:42	BB	TAL SAV
Total/NA	Analysis	353.2		1	120025	01/18/12 13:38	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	120120	01/20/12 14:54	TO	TAL TAM
Total/NA	Analysis	350.1		1	120300	01/25/12 21:07	TO	TAL TAM
Total/NA	Analysis	300.0		1	120398	01/27/12 11:37	TS	TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-21

Date Collected: 01/17/12 10:15
Date Received: 01/18/12 08:35

Lab Sample ID: 660-45734-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1	120043	01/17/12 10:15		TAL TAM

Client Sample ID: Trip Blank 1 45734

Date Collected: 01/17/12 00:00
Date Received: 01/18/12 08:35

Lab Sample ID: 660-45734-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120079	01/19/12 11:38	EC	TAL TAM

Client Sample ID: Trip Blank 2 45734

Date Collected: 01/17/12 00:00
Date Received: 01/18/12 08:35

Lab Sample ID: 660-45734-9

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120079	01/19/12 11:59	EC	TAL TAM

Client Sample ID: MW-6

Date Collected: 01/18/12 11:38
Date Received: 01/19/12 08:35

Lab Sample ID: 660-45781-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120153	01/20/12 10:50	EC	TAL TAM
Total/NA	Prep	8011			120092	01/20/12 10:24	JB	TAL TAM
Total/NA	Analysis	8011		1	120171	01/20/12 22:19	JB	TAL TAM
Total/NA	Prep	7470A			227177	01/25/12 09:01	JKL	TAL SAV
Total/NA	Analysis	7470A		1	227278	01/25/12 13:05	JKL	TAL SAV
Total Recoverable	Prep	3005A			227111	01/24/12 12:03	CDJ	TAL SAV
Total Recoverable	Analysis	6020		1	227358	01/25/12 18:43	BR	TAL SAV
Total Recoverable	Analysis	6020		1	227375	01/25/12 09:00	BR	TAL SAV
Total/NA	Analysis	353.2	DL	2	120084	01/19/12 13:58	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	120120	01/20/12 14:57	TO	TAL TAM
Total/NA	Analysis	350.1		1	120299	01/25/12 20:06	TO	TAL TAM
Total/NA	Analysis	300.0		10	120356	01/26/12 17:16	TS	TAL TAM
Total/NA	Analysis	Field Sampling		1	120043	01/18/12 11:38		TAL TAM
Total	Prep	MF		1.00	12A4690_P	01/18/12 15:27	MXN	TAL ORL
Total	Analysis	SM 9222D by E83012		1.00	12A4690	01/19/12 13:35	MXN	TAL ORL

Client Sample ID: MW-11

Date Collected: 01/18/12 08:44
Date Received: 01/19/12 08:35

Lab Sample ID: 660-45783-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120153	01/20/12 11:08	EC	TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-11

Date Collected: 01/18/12 08:44

Date Received: 01/19/12 08:35

Lab Sample ID: 660-45783-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			120092	01/20/12 10:24	JB	TAL TAM
Total/NA	Analysis	8011		1	120171	01/20/12 19:58	JB	TAL TAM
Total/NA	Prep	7470A			227177	01/25/12 09:09	JKL	TAL SAV
Total/NA	Analysis	7470A		1	227278	01/25/12 13:37	JKL	TAL SAV
Total Recoverable	Prep	3005A			227111	01/24/12 12:03	CDJ	TAL SAV
Total Recoverable	Analysis	6020		1	227358	01/25/12 18:50	BR	TAL SAV
Total Recoverable	Analysis	6020		1	227375	01/25/12 09:08	BR	TAL SAV
Total/NA	Analysis	353.2		1	120084	01/19/12 13:49	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	120120	01/20/12 14:59	TO	TAL TAM
Total/NA	Analysis	350.1		1	120299	01/25/12 20:07	TO	TAL TAM
Total/NA	Analysis	300.0		1	120356	01/26/12 11:47	TS	TAL TAM
Total/NA	Analysis	Field Sampling		1	120043	01/18/12 08:44		TAL TAM

Client Sample ID: MW-12

Date Collected: 01/18/12 08:38

Date Received: 01/19/12 08:35

Lab Sample ID: 660-45783-2

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120153	01/20/12 11:26	EC	TAL TAM
Total/NA	Prep	8011			120092	01/20/12 10:24	JB	TAL TAM
Total/NA	Analysis	8011		1	120171	01/20/12 20:16	JB	TAL TAM
Total/NA	Prep	7470A			227177	01/25/12 09:09	JKL	TAL SAV
Total/NA	Analysis	7470A		1	227278	01/25/12 13:40	JKL	TAL SAV
Total Recoverable	Prep	3005A			227111	01/24/12 12:03	CDJ	TAL SAV
Total Recoverable	Analysis	6020		1	227358	01/25/12 18:57	BR	TAL SAV
Total Recoverable	Analysis	6020		1	227375	01/25/12 09:15	BR	TAL SAV
Total/NA	Analysis	353.2		1	120084	01/19/12 13:52	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	120120	01/20/12 14:59	TO	TAL TAM
Total/NA	Analysis	350.1		1	120299	01/25/12 20:09	TO	TAL TAM
Total/NA	Analysis	300.0		1	120356	01/26/12 12:03	TS	TAL TAM
Total/NA	Analysis	Field Sampling		1	120043	01/18/12 08:38		TAL TAM

Client Sample ID: MW-20

Date Collected: 01/18/12 13:20

Date Received: 01/19/12 08:35

Lab Sample ID: 660-45783-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120153	01/20/12 11:44	EC	TAL TAM
Total/NA	Prep	8011			120346	01/26/12 15:16	JB	TAL TAM
Total/NA	Analysis	8011		1	120384	01/26/12 19:49	JB	TAL TAM
Total/NA	Prep	7470A			227177	01/25/12 09:09	JKL	TAL SAV
Total/NA	Analysis	7470A		1	227278	01/25/12 13:43	JKL	TAL SAV
Total Recoverable	Prep	3005A			227111	01/24/12 12:03	CDJ	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-20

Lab Sample ID: 660-45783-3

Date Collected: 01/18/12 13:20

Matrix: Ground Water

Date Received: 01/19/12 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Analysis	6020		1	227358	01/25/12 19:05	BR	TAL SAV
Total Recoverable	Analysis	6020		1	227375	01/25/12 09:22	BR	TAL SAV
Total/NA	Analysis	353.2		1	120084	01/19/12 13:53	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	120120	01/20/12 14:59	TO	TAL TAM
Total/NA	Analysis	350.1		1	120300	01/25/12 20:45	TO	TAL TAM
Total/NA	Analysis	300.0		1	120356	01/26/12 12:18	TS	TAL TAM
Total/NA	Analysis	Field Sampling		1	120043	01/18/12 13:20		TAL TAM

Client Sample ID: MW-3

Lab Sample ID: 660-45783-4

Date Collected: 01/18/12 10:20

Matrix: Ground Water

Date Received: 01/19/12 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120153	01/20/12 12:02	EC	TAL TAM
Total/NA	Prep	8011			120092	01/20/12 10:24	JB	TAL TAM
Total/NA	Analysis	8011		1	120171	01/20/12 21:27	JB	TAL TAM
Total/NA	Prep	7470A			227177	01/25/12 09:09	JKL	TAL SAV
Total/NA	Analysis	7470A		1	227278	01/25/12 13:47	JKL	TAL SAV
Total Recoverable	Prep	3005A			227111	01/24/12 12:03	CDJ	TAL SAV
Total Recoverable	Analysis	6020		1	227358	01/25/12 19:12	BR	TAL SAV
Total Recoverable	Analysis	6020		1	227375	01/25/12 09:30	BR	TAL SAV
Total/NA	Analysis	353.2		1	120084	01/19/12 13:55	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	120120	01/20/12 15:00	TO	TAL TAM
Total/NA	Analysis	350.1		1	120300	01/25/12 20:49	TO	TAL TAM
Total/NA	Analysis	300.0		1	120356	01/26/12 12:34	TS	TAL TAM
Total/NA	Analysis	Field Sampling		1	120043	01/18/12 10:20		TAL TAM

Client Sample ID: MW-7

Lab Sample ID: 660-45783-5

Date Collected: 01/18/12 10:30

Matrix: Ground Water

Date Received: 01/19/12 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120153	01/20/12 12:20	EC	TAL TAM
Total/NA	Prep	8011			120092	01/20/12 10:24	JB	TAL TAM
Total/NA	Analysis	8011		1	120171	01/20/12 22:02	JB	TAL TAM
Total/NA	Prep	7470A			227177	01/25/12 09:09	JKL	TAL SAV
Total/NA	Analysis	7470A		1	227278	01/25/12 13:50	JKL	TAL SAV
Total Recoverable	Prep	3005A			227111	01/24/12 12:03	CDJ	TAL SAV
Total Recoverable	Analysis	6020		1	227358	01/25/12 20:11	BR	TAL SAV
Total Recoverable	Analysis	6020		1	227375	01/25/12 10:29	BR	TAL SAV
Total/NA	Analysis	353.2		1	120084	01/19/12 13:56	KW	TAL TAM
Total/NA	Analysis	SM 2540C		1	120120	01/20/12 15:01	TO	TAL TAM
Total/NA	Analysis	350.1		1	120300	01/25/12 20:50	TO	TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 660-45734-1

Client Sample ID: MW-7

Lab Sample ID: 660-45783-5

Date Collected: 01/18/12 10:30

Matrix: Ground Water

Date Received: 01/19/12 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	120356	01/26/12 12:50	TS	TAL TAM
Total/NA	Analysis	Field Sampling		1	120043	01/18/12 10:30		TAL TAM

Client Sample ID: MW-18

Lab Sample ID: 660-45786-19

Date Collected: 01/17/12 14:55

Matrix: Ground Water

Date Received: 01/19/12 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120153	01/20/12 09:01	EC	TAL TAM
Total/NA	Analysis	Field Sampling		1	120043	01/17/12 14:55		TAL TAM

Client Sample ID: MW-19

Lab Sample ID: 660-45786-20

Date Collected: 01/17/12 15:40

Matrix: Ground Water

Date Received: 01/19/12 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120153	01/20/12 09:19	EC	TAL TAM
Total/NA	Analysis	Field Sampling		1	120043	01/17/12 15:40		TAL TAM

Client Sample ID: Trip Blank Assessment 45786

Lab Sample ID: 660-45786-21

Date Collected: 01/17/12 00:00

Matrix: Ground Water

Date Received: 01/19/12 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120153	01/20/12 09:37	EC	TAL TAM

Laboratory References:

TAL ORL = TestAmerica Orlando, 8010 Sunport Drive, Suite 116, Orlando, FL 32809, TEL 407.851.2560

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 Landfill

TestAmerica Job ID: 660-45734-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177
TestAmerica Orlando	Florida	NELAC	4	E83012
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	Arkansas DOH	6	N/A
TestAmerica Savannah	Arkansas	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Delaware	State Program	3	N/A
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	Georgia	Georgia EPD	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kentucky	Kentucky UST	4	18
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina	North Carolina DENR	4	269
TestAmerica Savannah	North Carolina	North Carolina PHL	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	USDA		SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	NELAC	3	460161
TestAmerica Savannah	Virginia	State Program	3	302
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	West Virginia DEP	3	94
TestAmerica Savannah	West Virginia	West Virginia DHHR (DW)	3	9950C
TestAmerica Savannah	Wisconsin	State Program	5	999819810

Certification Summary

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

TestAmerica Job ID: 660-45734-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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- 11
- 12
- 13
- 14
- 15
- 16

Method Summary

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

TestAmerica Job ID: 660-45734-1

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 TAM
6020	Metals (ICP/MS)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV
300.0	Anions, Ion Chromatography	MCAWW	TAL TAM
350.1	Nitrogen, Ammonia	MCAWW	TAL TAM
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL TAM
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL TAM
Field Sampling	Field Sampling	EPA	TAL TAM
SM 9222D by E83012	Microbiology		TAL ORL

Protocol References:

- EPA = US Environmental Protection Agency
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SM = "Standard Methods For The Examination Of Water And Wastewater",
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

- TAL ORL = TestAmerica Orlando, 8010 Sunport Drive, Suite 116, Orlando, FL 32809, TEL 407.851.2560
- 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

Sample Summary

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

TestAmerica Job ID: 660-45734-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-45734-1	Equipment Blank 45734	Ground Water	01/17/12 11:00	01/18/12 08:35
660-45734-2	MW-10	Ground Water	01/17/12 12:05	01/18/12 08:35
660-45734-3	MW-13	Ground Water	01/17/12 13:00	01/18/12 08:35
660-45734-4	MW-14	Ground Water	01/17/12 11:20	01/18/12 08:35
660-45734-5	MW-15	Ground Water	01/17/12 12:20	01/18/12 08:35
660-45734-6	MW-17	Ground Water	01/17/12 13:31	01/18/12 08:35
660-45734-7	MW-21	Ground Water	01/17/12 10:15	01/18/12 08:35
660-45734-8	Trip Blank 1 45734	Ground Water	01/17/12 00:00	01/18/12 08:35
660-45734-9	Trip Blank 2 45734	Ground Water	01/17/12 00:00	01/18/12 08:35
660-45781-1	MW-6	Ground Water	01/18/12 11:38	01/19/12 08:35
660-45783-1	MW-11	Ground Water	01/18/12 08:44	01/19/12 08:35
660-45783-2	MW-12	Ground Water	01/18/12 08:38	01/19/12 08:35
660-45783-3	MW-20	Ground Water	01/18/12 13:20	01/19/12 08:35
660-45783-4	MW-3	Ground Water	01/18/12 10:20	01/19/12 08:35
660-45783-5	MW-7	Ground Water	01/18/12 10:30	01/19/12 08:35
660-45786-19	MW-18	Ground Water	01/17/12 14:55	01/19/12 08:35
660-45786-20	MW-19	Ground Water	01/17/12 15:40	01/19/12 08:35
660-45786-21	Trip Blank Assessment 45786	Ground Water	01/17/12 00:00	01/19/12 08:35

Chain of Custody Record



Client Information
 Client Contact: Mr. Armond Sorawane
 Company: CDM Smith
 Address: 1715 North Westshore Blvd. Suite 875
 City: Tampa
 State, Zip: FL, 33607
 Phone: [Blank]
 Email: SorawaneAS@cdmsmith.com
 Project Name: Background & compliance wells
 Site: [Blank]

Sampler: Ryan Deibel
Phone: 407-453-3076
Lab PI: Beato, Judith
E-Mail: Judith.Beato@testamerica.com

Due Date Requested: [Blank]
TAT Requested (days): [Blank]
PO #: [Blank]
Purchase Order Requested: [Blank]
Project #: 68003335
SSOW#: [Blank]

Carrier Tracking No(s): [Blank]

Job #: 660-457334
Page: 1 of 2
Page 1 of 2

COC No: 680-30054.1

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil)	Analysis Requested										Special Instructions/Note
					Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 - Ammonia (as N)	6020 - App 1 Metals + Iron, and Sodium	8280B - 8260 Appendix I Compounds	300.0_28D (Chloride), 353.2 (Nitrate)	2540C - Total Dissolved Solids	8011 - EDB, DBCP	6020 - Dissolved App 1 Metals + Iron, and	Total Number of Containers	
MW-10	1-17-12	1100	G	Water	Y	X	X	X	X	X	X	X	X	X	Run Dissolved metals only if turbidity is greater than 5.
MW-17		1205		Water	W	X	X	X	X	X	X	X	X	X	
MW-15		1300		Water	W	X	X	X	X	X	X	X	X	X	
MW-21		1120		Water	W	X	X	X	X	X	X	X	X	X	
MW-14		1220		Water	W	X	X	X	X	X	X	X	X	X	
MW-13		1231		Water	W	X	X	X	X	X	X	X	X	X	
Eg Blank		1015		Water	W	X	X	X	X	X	X	X	X	X	

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

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

Empty Kit Relinquished by: [Signature] **Date:** [Blank] **Time:** [Blank] **Method of Shipment:** [Blank]

Relinquished by: [Signature] **Date/Time:** 1-17-12 1500 **Company:** TA

Relinquished by: [Signature] **Date/Time:** [Blank] **Company:** [Blank]

Relinquished by: [Signature] **Date/Time:** [Blank] **Company:** [Blank]

Custody Seals Intact: Yes No **Custody Seal No.:** [Blank]

Special Instructions/QC Requirements: [Blank]

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

Received by: [Signature] **Date/Time:** 1/18/12 0835 **Company:** [Blank]

Received by: [Signature] **Date/Time:** [Blank] **Company:** [Blank]

Cooler Temperature(s) °C and Other Remarks: 1.8, 1.0 °C Cu-07

Client Information
 Client Contact: Mr. Arnold Sorawane
 Company: CDM Smith, Inc.
 Address: 1715 North Westshore Blvd. Suite 875
 City: Tampa
 State, Zip: FL, 33607
 Phone: [Blank]
 Email: sorawane@cdmsmith.com
 Project Name: Citrus County Intermediate Well MW-6
 Site: Florida

Sampler: *Ryan Beiler*
 Phone: 407-453-3074
 Lab P.I.: Beato, Judith
 E-Mail: judith.beato@testamericainc.com

Due Date Requested: [Blank]
 TAT Requested (days): [Blank]

PO #: [Blank]
 Purchase Order Requested: [Blank]
 WO #: 71138-79196-TASK1
 Project #: 68003335
 SSOV#: [Blank]

OCN No.: 660-38887-12680.1
 Page: Page 1 of 1
 Job #: 660-45781

Sample Identification	Sample Date	Sample Time	Sample Type (G=Comp, G=grab)	Matrix (W=water, S=solid, O=other)	Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Analysis Requested	Special Instructions/Note
					Preservation Code	AT-Trans, A, etc.	Y	N		
MW-6	1-18-12	1138	G	Water	Y	N	Y	N	363.2 - Nitrate	
									360.1 - Ammonia as N	
									2540C - Total Dissolved Solids	
									8011 - EDB, DBCP	
									8260B - 8260 Appendix I Compounds	
									9222D - Coliform, Fecal	
									300.0_28D - Chloride	
									6020, 7470A	
									Total Number of containers	

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

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

Empty Kit Relinquished by: [Blank] Date: [Blank] Time: [Blank] Method of Shipment: [Blank]

Relinquished by: [Signature] Date/Time: 1-18-12 / 1140 Company: TTA

Relinquished by: [Signature] Date/Time: 1-18-12 / 1336 Company: [Blank]

Relinquished by: [Signature] Date/Time: [Blank] Company: [Blank]

Custody Seals Intact: Yes No Custody Seal No.: [Blank]

Received by: [Signature] Date/Time: 1/19/12 @ 1141 Company: TTA

Received by: [Signature] Date/Time: 1/19/12 835 Company: HT Tampa

Cooler Temperature(s) °C and Other Remarks: 3.6°C on temp. / 2.8°C CU-07

TESTAMERICA ORLANDO FIELD SAMPLING LOG -
 DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

45734-1

Meter #'s: _____

PAGE: 1 of 1

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>LCcont o</u>
WELL NO: <u>Eg Blank</u>	SAMPLE ID: <u>Eg Blank</u>
DATE: _____	

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (_____ feet - _____ feet) X _____ gallons/foot = _____ gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= _____ gallons + (_____ gallons/foot X _____ feet) + _____ gallons = _____ gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):		FINAL PUMP OR TUBING DEPTH IN WELL (feet):		PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):				
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
<div style="font-size: 2em; font-weight: bold; opacity: 0.5;">N/A</div>												

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; 6" = 1.02; 8" = 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: <u>Ryan Reid</u>	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: <u>1000</u>	SAMPLING ENDED AT: <u>1015</u>
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: <u>PE</u>	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>Eg Blank</u>	<u>6</u>	<u>CG</u>	<u>100ml</u>	<u>unsp</u>	<u>0</u>	<u>7</u>	<u>EXCEL'S</u>	<u>0</u>	<u>n/a</u>
↓	↓	↓	<u>500ml</u>	↓	↓	↓	<u>TDS</u>	↓	↓
↓	↓	↓	<u>250ml</u>	<u>HNO3</u>	↓	<u>5.2</u>	<u>Metals</u>	↓	↓
↓	↓	↓	↓	<u>H2SO4</u>	↓	↓	<u>NH3</u>	↓	↓
↓	↓	↓	<u>125ml</u>	<u>unsp</u>	↓	<u>7</u>	<u>Cl</u>	↓	↓
↓	<u>2</u>	↓	↓	<u>unsp, H2SO4</u>	↓	<u>7.52</u>	<u>NO3</u>	↓	↓

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; RFPF = 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

TESTAMERICA ORLANDO FIELD SAMPLING LOG -
DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

45734-2

Meter #'s: M-1 / T-1

PAGE: 1 of 1

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>Lacanto, FL</u>
WELL NO: <u>MW-10</u>	SAMPLE ID: <u>MW-10</u>
DATE: <u>1-17-12</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: <u>120.5</u> feet to <u>120.5</u> feet	STATIC DEPTH TO WATER (feet): <u>108.05</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $12.45 = (120.50 \text{ feet} - 108.05 \text{ feet}) \times .16 \text{ gallons/foot} = 2.00 \text{ gallons}$				
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): <u>113</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>113</u>	PURGING INITIATED AT: <u>9:28</u>	PURGING ENDED AT: <u>10:44</u>	TOTAL VOLUME PURGED (gallons): <u>4.52</u>
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
9:58	2.00	2.00	.06	108.95	4.37	22.3	51	.53	8.99	clear	NO	-15.1
10:06	.50	2.50	.06	109.00	4.36	22.3	50	.38	44.9	cloudy		-31.3
10:14	.50	3.00	.06	109.00	4.45	22.2	51	.48	77.4			-38
10:24	.50	3.50	.05	108.91	4.45	22.4	52	.33	77.2			-50
10:34	.50	4.00	.05	108.89	4.49	22.5	52	.39	76.7			-42
10:44	.50	4.50	.05	108.85	4.51	22.6	53	.37	75.1			-41
Turbidity after Field Filtered = .67												

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" = 0.0028; 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: <u>Shawn Victory</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>10:44</u>	SAMPLING ENDED AT: <u>11:00</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>113</u>	TUBING MATERIAL CODE: <u>PE</u>	FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: <u>10</u> μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> Y	TUBING <input checked="" type="checkbox"/> Y (replaced)	DUPLICATE: <input checked="" type="checkbox"/> Y	

SAMPL E ID CODE	# CONTAINERS	MATERI AL 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	500	UNP	0	4.5	TDS	BP	160
	1	PE	250	H2SO4	0	6.2	350.1		
	1	PE	125	UNP	0	4.5	353.2		
	1	PE	125	H2SO4	0	6.2	353.2		
	1	PE	125	UNP	0	4.5	300.0 TDS		
	2	PE	250	HNO3	0	6.2	7470.4 16020		
REMARKS:	3	CG	40	UNP	-	-	8011 6018		
	3	CG	40	UNP	-	-	82603		

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; RPPP = 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: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)
 Revision Date: February 12, 2009

TESTAMERICA ORLANDO FIELD SAMPLING LOG -
DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

Meter #'s: m-1 / T-1

PAGE: 1 of 1

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>Lacinto, FL</u>
WELL NO: <u>MW-15</u>	DATE: <u>1-17-12</u>

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: <u>110</u> feet to <u>130</u> feet	STATIC DEPTH TO WATER (feet): <u>118.73</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) <u>10.87</u> = (<u>129.60</u> feet - <u>118.73</u> feet) X <u>.16</u> gallons/foot = <u>1.74</u> 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): <u>124</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>124</u>	PURGING INITIATED AT: <u>1222</u>	PURGING ENDED AT: <u>1250</u>	TOTAL VOLUME PURGED (gallons): <u>3.0</u>
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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
1240	1.74	1.74	.09	118.95	4.28	22.0	51	.18	1.13	clear	NO	-19
1245	.43	2.17	.09	119.00	4.28	22.0	41	.12	.78	↓	↓	-51
1250	.43	2.50	.09	119.00	4.29	22.1	41	.14	1.06			-63

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Shawn Victoria</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1250</u>	SAMPLING ENDED AT: <u>1300</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>124</u>	TUBING MATERIAL CODE: <u>PE</u>	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTRATION EQUIPMENT TYPE: <u>[Symbol]</u>
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> TUBING Y <input checked="" type="checkbox"/> (replaced)	DUPLICATE: Y <input checked="" type="checkbox"/>		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-15	1	PE	500	UNP	0	4.5	7DS	BP	360
	1	PE	250	H ₂ SO ₄	0	6.2	350.1		
	1	PE	250	HNO ₃	0	6.2	7470A, 6020		
	1	PE	125	H ₂ SO ₄	0	6.2	352.2		
	2	PE	125	UNP	0	4.5	352.2/300.0, 26D		
REMARKS:	3	CG	40	UNP	-	-	5011 EDB		2200
	3	CG	40	UNP	-	-	526B		2200

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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = 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

TESTAMERICA ORLANDO FIELD SAMPLING LOG -
DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

Meter #s: M-1 / T-1

PAGE: 1 of 1

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>Lacanto, FL</u>
WELL NO: <u>MW-17</u>	SAMPLE ID: <u>MW-17</u>
DATE: <u>1-17-12</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: <u>98</u> feet to <u>118</u> feet	STATIC DEPTH TO WATER (feet): <u>106.24</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) <u>11.76</u> = (<u>118.00</u> feet - <u>106.24</u> feet) X <u>.16</u> gallons/foot = <u>1.88</u> 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): <u>116</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>116</u>	PURGING INITIATED AT: <u>1130</u>	PURGING ENDED AT: <u>1155</u>	TOTAL VOLUME PURGED (gallons): <u>3.0</u>
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) <u>µmhos/cm or µS/cm</u>	DISSOLVED OXYGEN (circle units) <u>mg/L or % saturation</u>	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
<u>1147</u>	<u>1.88</u>	<u>1.88</u>	<u>.11</u>	<u>106.32</u>	<u>4.91</u>	<u>23.2</u>	<u>54</u>	<u>.22</u>	<u>3.12</u>	<u>clear</u>	<u>ND</u>	<u>82</u>
<u>1151</u>	<u>.47</u>	<u>2.35</u>	<u>.12</u>	<u>106.32</u>	<u>4.92</u>	<u>23.3</u>	<u>55</u>	<u>.13</u>	<u>3.37</u>	<u>↓</u>	<u>↓</u>	<u>77</u>
<u>1155</u>	<u>.47</u>	<u>2.82</u>	<u>.12</u>	<u>106.32</u>	<u>4.92</u>	<u>23.3</u>	<u>55</u>	<u>.12</u>	<u>3.53</u>	<u>↓</u>	<u>↓</u>	<u>75</u>

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" = 0.008; 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: <u>Shawn Victory</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1155</u>	SAMPLING ENDED AT: <u>1205</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>116</u>	TUBING MATERIAL CODE: <u>PE</u>	FIELD-FILTERED: <u>Y</u> <input checked="" type="checkbox"/>	FILTER SIZE: <u> </u> µm
FIELD DECONTAMINATION: PUMP <u>Y</u> <input checked="" type="checkbox"/>	TUBING <u>Y</u> <input checked="" type="checkbox"/> (replaced)	DUPLICATE: <u>Y</u> <input checked="" type="checkbox"/>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERI AL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>MW-17</u>	<u>1</u>	<u>PE</u>	<u>500</u>	<u>UNP</u>	<u>0</u>	<u>5.0</u>	<u>TDS</u>	<u>BP</u>	<u>480</u>
	<u>1</u>	<u>PE</u>	<u>250</u>	<u>H2SO4</u>	<u>0</u>	<u>2.2</u>	<u>350.1</u>		
	<u>1</u>	<u>PE</u>	<u>250</u>	<u>HNO3</u>	<u>0</u>	<u>2.2</u>	<u>7470A, 6020</u>		
	<u>1</u>	<u>PE</u>	<u>125</u>	<u>H2SO4</u>	<u>0</u>	<u>2.2</u>	<u>353.2</u>		
	<u>2</u>	<u>PE</u>	<u>125</u>	<u>UNP</u>	<u>0</u>	<u>5.0</u>	<u>3532, 300.0, 750</u>		
	<u>3</u>	<u>CG</u>	<u>40</u>	<u>UNP</u>	<u>-</u>	<u>-</u>	<u>8011 EDB</u>		<u>< 200</u>
REMARKS: <u>3</u>	<u>CG</u>	<u>40</u>	<u>UNP</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>8260B</u>		<u>< 200</u>

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

TESTAMERICA ORLANDO FIELD SAMPLING LOG -
 DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

Meter #s: M2 T3

PAGE: 1 of 1

SITE NAME: Citrus County Landfill SITE LOCATION: Loc 2
 WELL NO: MW-21 SAMPLE ID: MW-21 DATE: 1-17-12

PURGING DATA

WELL DIAMETER (inches): 2 TUBING DIAMETER (inches): 1/4 WELL SCREEN INTERVAL DEPTH: 125 feet to 125 feet STATIC DEPTH TO WATER (feet): 110.30 PURGE PUMP TYPE OR BAILER: DBP
 WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable) 15.06 = (125.40 feet - 110.30 feet) X .16 gallons/foot = 2.50 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): 121.5 FINAL PUMP OR TUBING DEPTH IN WELL (feet): 121.5 PURGING INITIATED AT: 939 PURGING ENDED AT: 1108 TOTAL VOLUME PURGED (gallons): 5.65

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
1018	2.50	2.50	.06	110.70	4.57	22.9	73	.39	95.7	cloudy	NO	112
1028	.63	3.13	.06	110.70	4.57	22.9	75	.39	85.3			109
1038	.63	3.76	.06	110.70	4.56	23.0	80	.37	72.3			107
1048	.63	4.39	.06	110.70	4.56	23.0	80	.39	62.0			109
1058	.63	5.02	.06	110.70	4.56	23.1	80	.39	57.6			106
1108	.63	5.65	.06	110.70	4.56	23.1	79	.41	55.9			105

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" = 0.0028; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan Reich SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1108 SAMPLING ENDED AT: 1120
 PUMP OR TUBING DEPTH IN WELL (feet): 121.5 TUBING MATERIAL CODE: PE FIELD-FILTERED: (Y) N FILTER SIZE: 1.0 μm
 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)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-21	6	CG	40mL	UMP		4.5	VOCS	DBP	200
	1	PE	500mL			4.5	TDS		240
	2		250mL	HNO ₃		5.2	metals		
	1		250mL	H ₂ SO ₄		5.2	metals		
	1		125mL	UMP		4.5	CI		
	2			UMP, H ₂ SO ₄		5.2	NO ₃		

REMARKS: 16 sec. Res. time @ 2 cfm 14 sec. Discharge @ 50 psi Filtered Turb 8.88

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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = 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: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)
 Revision Date: February 12, 2009

TESTAMERICA ORLANDO FIELD SAMPLING LOG -
DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

45781-1

Meter #'s: mw T3

PAGE: 1 of 1

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>Levento</u>
WELL NO: <u>mw-6</u>	DATE: <u>1-18-12</u>

PURGING DATA

WELL DIAMETER (Inches): <u>2</u>	TUBING DIAMETER (Inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: <u>112</u> feet to <u>122</u> feet	STATIC DEPTH TO WATER (feet): <u>112.55</u>	PURGE PUMP TYPE OR BAILER: <u>DBP</u>
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable) 12.75 = (124.7 feet - 112.55 feet) X 16 gallons/foot = 194 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): <u>118</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>118</u>	PURGING INITIATED AT: <u>1054</u>	PURGING ENDED AT: <u>1123</u>	TOTAL VOLUME PURGED (gallons): <u>292</u>
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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
1113	1.94	1.94	.10	116.55	4.21	23.2	789	.24	1.99	clear	no	357
1118	2.49	2.43	.10	116.55	4.18	23.2	795	.22	1.61	↓	↓	364
1123	2.49	2.92	.10	116.55	4.15	23.3	792	.21	1.22	↓	↓	363

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" = 0.0028; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Pyan Reich</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1123</u>	SAMPLING ENDED AT: <u>1138</u>
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PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: <u>PE</u>	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: _____ μm
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FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/> TUBING Y <input checked="" type="checkbox"/> N <input type="checkbox"/> (replaced)	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
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SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERI AL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
mw-6	6	CG	70ml	UMP	↓	4.1	VOL'S	DBP	2200
	↓	PE	1000ml	↓	↓	↓	TDS	↓	400
	↓	↓	250ml	HNO ₃	↓	5.2	metals	↓	↓
	↓	↓	↓	H ₂ SO ₄	↓	4.1	NH ₃	↓	↓
	↓	↓	125ml	UMP	↓	4.1	Cl	↓	↓
	↓	↓	↓	UMP; H ₂ SO ₄	↓	4.1; 5.2	NH ₃	↓	↓
	↓	↓	100ml	N ₂ O ₅	↓	↓	FC	↓	↓

REMARKS: 1 purged @ 2 gpm 14 sec recharge 16 sec discharge @ 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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = 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

TESTAMERICA ORLANDO FIELD SAMPLING LOG -
DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

45783

Meter #s: mw T3

PAGE: 1 of 1

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>Lecanto</u>
WELL NO: <u>mw-11</u>	SAMPLE ID: <u>MW-11</u>
DATE: <u>1-18-12</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: <u>92</u> feet to <u>112</u> feet	STATIC DEPTH TO WATER (feet): <u>100.31</u>	PURGE PUMP TYPE OR BAILER: <u>DBP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) <u>11.36 = 111.7</u> feet - <u>100.31</u> feet X <u>.16</u> gallons/foot = <u>1.82</u> 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): <u>109</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>109</u>	PURGING INITIATED AT: <u>811</u>	PURGING ENDED AT: <u>831</u>	TOTAL VOLUME PURGED (gallons): <u>2.72</u>
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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
<u>826</u>	<u>1.82</u>	<u>1.82</u>	<u>.12</u>	<u>100.40</u>	<u>7.04</u>	<u>22.7</u>	<u>387</u>	<u>.46</u>	<u>4.06</u>	<u>cl</u>	<u>no</u>	<u>183</u>
<u>830</u>	<u>.45</u>	<u>2.27</u>	<u>.12</u>	<u>100.40</u>	<u>7.03</u>	<u>22.8</u>	<u>389</u>	<u>.40</u>	<u>2.53</u>	<u>↓</u>	<u>↓</u>	<u>178</u>
<u>834</u>	<u>.45</u>	<u>2.72</u>	<u>.12</u>	<u>100.40</u>	<u>7.04</u>	<u>22.8</u>	<u>389</u>	<u>.38</u>	<u>1.80</u>	<u>↓</u>	<u>↓</u>	<u>175</u>

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; 6" = 1.02; 8" = 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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Ryan Reich</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>831</u>	SAMPLING ENDED AT: <u>844</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>109</u>	TUBING MATERIAL CODE: <u>PE</u>	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL. E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>MW-11</u>	<u>6</u>	<u>CG</u>	<u>40ml</u>	<u>unp</u>	<u>↓</u>	<u>7.0</u>	<u>VOC's</u>	<u>DBP</u>	<u>1200</u>
<u>↓</u>	<u>1</u>	<u>PE</u>	<u>500ml</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>TDS</u>	<u>↓</u>	<u>480</u>
<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>250ml</u>	<u>HNO3</u>	<u>↓</u>	<u>↓</u>	<u>metals</u>	<u>↓</u>	<u>↓</u>
<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>125ml</u>	<u>unp</u>	<u>↓</u>	<u>7.0</u>	<u>NO3</u>	<u>↓</u>	<u>↓</u>
<u>↓</u>	<u>2</u>	<u>↓</u>	<u>↓</u>	<u>unp; H2O2</u>	<u>↓</u>	<u>7.0; 5.2</u>	<u>NO3</u>	<u>↓</u>	<u>↓</u>

REMARKS: 15 sec recharge, purged @ 20gpm, .5 sec discharge @ 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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = 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

TESTAMERICA ORLANDO FIELD SAMPLING LOG -
DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

Meter #s: M-1/T-1

PAGE: 1 of 1

SITE NAME: Citrus County Landfill SITE LOCATION: Lacanto, FL
 WELL NO: MW-20 SAMPLE ID: MW-20 DATE: 1-18-12

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): 114.20 PURGE PUMP TYPE OR BAILER: BP
 WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
11.50 = (125.70 feet - 114.20 feet) X .16 gallons/foot = 1.84 gallons
 EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 = gallons + (gallons/foot X feet) + gallons = gallons

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
1152	1.84	1.84	.07	114.32	5.63	23.6	406	.53	109	Cloudy	ND	44
1159	.46	2.30	.07	114.40	5.60	23.5	403	.65	70.2	↓	↓	45
1206	.46	2.76	.07	114.40	5.58	23.6	404	.30	65.2	↓	↓	43
1214	.46	3.22	.06	114.37	5.57	23.5	406	.24	71.9	↓	↓	40
1222	.46	3.68	.06	114.35	5.59	23.5	416	.25	53.2	↓	↓	35
1230	.46	4.14	.06	114.35	5.61	23.4	418	.55	37.0	↓	↓	32
1235	.46	4.60	.06	114.35	5.61	22.2	410	.67	23.9	↓	↓	38
1246	.46	5.06	.06	114.35	5.60	21.9	415	.51	17.1	clear	↓	37
1254	.46	5.52	.06	114.35	5.59	22.0	413	.32	12.0	↓	↓	35
1302	.46	5.96	.06	114.35	5.58	22.1	413	.24	7.13	↓	↓	33
1310	.46	6.42	.06	114.35	5.58	22.0	411	.22	4.83	↓	↓	31

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 SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1310 SAMPLING ENDED AT: 1320
 PUMP OR TUBING DEPTH IN WELL (feet): 122 TUBING MATERIAL CODE: PE FIELD-FILTERED: Y FILTER SIZE: μm
 FIELD DECONTAMINATION: PUMP Y TUBING Y (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-20	1	PE	500	UNP	0	5.5	TDS	BP	240
	1	PE	250	H2SO4	0	6.2	350.1	↓	↓
	1	PE	125	H2SO4	0	6.2	353.2	↓	↓
	1	PE	250	HNO3	0	6.2	7470A, 6020	↓	↓
	2	PE	125	UNP	0	5.5	353.2/700 2FD	↓	↓
	3	CG	40	UNP	-	-	6011 EDB	↓	~200
	3	CG	40	UNP	-	-	6200 B	↓	~200

 REMARKS: purged at 2 rpm 1 1/2 hrs 58 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; RFPF = 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

TESTAMERICA ORLANDO FIELD SAMPLING LOG -
 DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

Meter #s: M-1 / T-2

PAGE: 1 of 1

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>Lacanto, FL</u>
WELL NO: <u>MW-3</u>	SAMPLE ID: <u>MW-3</u>
DATE: <u>1-18-12</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>3/8</u>	WELL SCREEN INTERVAL DEPTH: <u>109</u> feet to <u>114</u> feet	STATIC DEPTH TO WATER (feet): <u>114.75</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) <u>4.25</u> = (<u>114.00</u> feet - <u>114.75</u> feet) X <u>.16</u> gallons/foot = <u>.70</u> 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): <u>117</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>117</u>	PURGING INITIATED AT: <u>9:27</u>	PURGING ENDED AT: <u>10:10</u>	TOTAL VOLUME PURGED (gallons): <u>1.8</u>
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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
946	.70	.70	.03	water	5.15	20.5	63	6.17	1.24	Clear	ND	252
952	.18	.98	.03	level	4.94	20.4	58	5.73	1.41	↓	↓	257
958	.18	1.16	.03	below	4.76	20.4	55	5.51	1.05	↓	↓	260
1004	.18	1.34	.03	top of	4.69	20.3	54	5.19	.93	↓	↓	260
1010	.18	1.52	.03	pump	4.65	20.3	48	5.13	.90	↓	↓	259

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: <u>Sham Victoria</u>	SAMPLER(S) SIGNATURE(S): <u>Sham Victoria</u>	SAMPLING INITIATED AT: <u>10:10</u>	SAMPLING ENDED AT: <u>10:20</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>117</u>	TUBING MATERIAL CODE: <u>PE</u>	FIELD-FILTERED: Y <input checked="" type="checkbox"/> (N)	FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> (N)	TUBING Y <input checked="" type="checkbox"/> (replaced)	DUPLICATE: Y <input checked="" type="checkbox"/> (N)	

SAMPL E ID CODE	# CONTAINERS	MATERI AL CODE	VOLUME	SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
				PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW3	1	PE	500	VNP	0	4.5	TDS	BP	120
	1	PE	250	H2SO4	0	6.2	350.1	↓	↓
	1	PE	125	H2SO4	0	6.2	353.2	↓	↓
	1	PE	250	HNO3	0	6.2	7470A, 6020	↓	↓
	2	PE	125	VNP	0	4.5	353.2/300.0 TDS	↓	↓
	3	CG	40	VNP	-	-	FOR EDB	↓	↓
REMARKS:	3	CG	40	VNP	-	-	5260 B	↓	↓

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

TESTAMERICA ORLANDO FIELD SAMPLING LOG -
DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

45786.

Meter #'s: MC T3

PAGE: 1 of 1

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>LeConte</u>
WELL NO: <u>MW-18</u>	SAMPLE ID: <u>MW-18</u>
DATE: <u>1-17-12</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: <u>100</u> feet to <u>120</u> feet	STATIC DEPTH TO WATER (feet): <u>110.49</u>	PURGE PUMP TYPE OR BAILER: <u>DBP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) <u>957</u> = <u>(120 - 110.49)</u> feet X <u>16</u> gallons/foot = <u>152</u> 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): <u>115</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>115</u>	PURGING INITIATED AT: <u>1425</u>	PURGING ENDED AT: <u>1446</u>	TOTAL VOLUME PURGED (gallons): <u>2.28</u>								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
<u>1440</u>	<u>1.52</u>	<u>1.52</u>	<u>10</u>	<u>water</u>	<u>4.89</u>	<u>22.7</u>	<u>59</u>	<u>1.08</u>	<u>17.1</u>	<u>clear</u>	<u>NO</u>	<u>224</u>
<u>1443</u>	<u>0.38</u>	<u>1.90</u>	<u>10</u>	<u>bottom</u>	<u>4.90</u>	<u>22.7</u>	<u>59</u>	<u>1.04</u>	<u>15.2</u>	<u>1</u>	<u>↓</u>	<u>223</u>
<u>1446</u>	<u>0.38</u>	<u>2.28</u>	<u>10</u>	<u>Top of Pump</u>	<u>4.92</u>	<u>22.7</u>	<u>59</u>	<u>1.08</u>	<u>13.1</u>	<u>1</u>	<u>↓</u>	<u>224</u>

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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Ron Reich</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1446</u>	SAMPLING ENDED AT: <u>1455</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>115</u>	TUBING MATERIAL CODE: <u>PE</u>	FIELD-FILTERED: <u>Y</u> <input checked="" type="checkbox"/>	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <u>Y</u> <input checked="" type="checkbox"/>	TUBING <u>Y</u> <input checked="" type="checkbox"/> (replaced)	DUPLICATE: <u>Y</u> <input checked="" type="checkbox"/>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>MW-18</u>	<u>3</u>	<u>CG</u>	<u>40ml</u>	<u>unf</u>	<u>0</u>		<u>UCCS</u>	<u>DBP</u>	<u>2200</u>

REMARKS: 16 sec Reverse
purged @ 17 sec Discharge @ 60 ps. 2 cpm

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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RPPP = 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: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

Field Calibration Logbook

Name: Shaw Victory / Citrus County Date: 1-17-12 Instrument #: M-1/T-1 Make/Model: YSI 556 MPS, H&L 200 P

pH:

	pH Buffer	Element #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)	Temp. (°C)
Initial	7.00	NU04056	1/2013	914	7.00	Yes	FCV	18.7
	4.00	NT09986	3/2013	916	4.00	✓	↓	18.6
	10.00	NT09961	09/2012	918	9.99	✓	↓	18.9
1-15-12 Post	7.00	NU04056	1/2013	759	7.89	No	CCV	11.9
	4.00	NT09986	3/2013	801	4.01	↓	↓	11.6
	10.00	NT09961	9/2012	802	9.95	↓	↓	11.7

CONDUCTIVITY STANDARD:

	Conductivity (uS/cm)	Element #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	100	NU06839	3-1-13	912	100	Yes	FCV
	1000						
	10000						
1-15-12 Post	100	NU06839	3-1-13	806	89	No	CCV
	1000						
	10000						

DISSOLVED OXYGEN: (Reference Table FS2200-2)*

Temperature Probe Annual Calibration: Date:

NIST Therm. ID#:

	Temp. (°C)	DO*(mg/L)	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	15.0	10.08	908	15.0/10.08	Yes	FCV
1-15-12 Post	11.67	-	754	11.67/11.66	No	CCV

ORP: (Reference Table 6.2 Zobell Solution Values)*

	ORP (millivolts)*	Element #	Exp. Date	Time	Temp. (°C)	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial								
Post								

TURBIDITY:

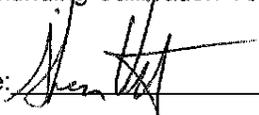
	Turbidity (NTU)	Element #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
1-16-12 Initial	<0.10	NU03786	4-2012	1300	19	Yes	ICV
	20	↓	↓	↓	20	↓	↓
	100	↓	↓	↓	100	↓	↓
	800	↓	↓	↓	797	↓	↓
1-18-12 Post	<0.10	NU03786	4-2012	808	19	No	CCV
	20	↓	↓	↓	20	↓	↓
	100	↓	↓	↓	101	↓	↓
	800	↓	↓	↓	796	↓	↓

Acceptance Criteria: 1-10 NTU=10%, 11-40 NTU=8%, 41-100 NTU=6.5%, >100 NTU=5%

Calibrated only in Calibrate Mode

ICV- Initial Calibration Verification (perform only in Run Mode)

CCV- Continuing Calibration Verification (perform only in Run Mode)

Signature: 

Date: 1-17-12 / 1-18-12

Field Calibration Logbook

Name: Shawn Victory / Citrus County Landfill Date: 1-15-12 Instrument #: M-1 / T-1 Make/Model: VSE 550 / Hatch 2008P

pH:

	pH Buffer	Element #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)	Temp. (°C)
Initial	7.00	NV04056	4/2013	758	6.95	Yes	ICV	11.8
	4.00	NV09986	3/2013	800	4.00	Yes	ICV	11.8
	10.00	NV09461	9/2012					
Post	7.00	NV04056	4/2013	1615	6.94	NO	CCV	16.5
	4.00	NV09986	3/2013	1617	3.99	NO	CCV	16.5
	10.00	NV09961	9/2012	1619	9.98	NO	CCV	16.6

CONDUCTIVITY STANDARD:

	Conductivity (uS/cm)	Element #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	100	NV06839	3-1-13	807	100	Yes	ICV
	1000						
	10000						
Post	100	NV06839	3-1-13	814	98	NO	CCV
	1000						
	10000						

DISSOLVED OXYGEN: (Reference Table FS2200-2)*

Temperature Probe Annual Calibration: Date: _____ NIST Therm. ID#: _____

	Temp. (°C)	DO*(mg/L)	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	11.7	-	755	11.7/10.82	Yes	ICV
Post	16.1	9.84	1612	16.1/9.55	NO	CCV

ORP: (Reference Table 6.2 Zobell Solution Values)*

	ORP (milliVolts)*	Element #	Exp. Date	Time	Temp. (°C)	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial								
Post								

TURBIDITY:

	Turbidity (NTU)	Element #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	<0.10	NV03786	4-2012	809	.19	NO	CCV
	20	↓	↓	↓	20	↓	↓
	100	↓	↓	↓	101	↓	↓
	800	↓	↓	↓	796	↓	↓
Post	<0.10	NV03786	4-2012	1610	.19	NO	CCV
	20	↓	↓	↓	21	↓	↓
	100	↓	↓	↓	101	↓	↓
	800	↓	↓	↓	795	↓	↓

Acceptance Criteria: 1-10 NTU=10%, 11-40 NTU=8%, 41-100 NTU=6.5%, >100 NTU=5%

Calibrated only in Calibrate Mode

ICV- Initial Calibration Verification (perform only in Run Mode)

CCV- Continuing Calibration Verification (perform only in Run Mode)

Signature: [Signature]

Date: 1-15-12

Field Calibration Logbook

Name: Ryan Peindl Date: 1-12-12 Instrument #: ME T3 Make/Model: YSI 552 / Model 2100

pH:

	pH Buffer	Element #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)	Temp. (°C)
Initial	7.00	N404056	1-13	922	7.00	Y	ICV	21.6
	4.00	N404620	3-13	↓	4.00	↓	↓	↓
	10.00	N409961	9-12	↓	9.99	↓	↓	↓
Post	7.00	N404056	1-13	744	7.03	N	CCV	23.5
	4.00	N404620	3-13	↓	4.01	↓	↓	23.3
	10.00	N409961	9-12	↓	10.00	↓	↓	23.7

CONDUCTIVITY STANDARD:

	Conductivity (uS/cm)	Element #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	100						
	1000	N406868	3-13	918	1000	Y	ICV
	10000						
Post	100						
	1000	N406868	3-13	742	993	N	CCV
	10000						

DISSOLVED OXYGEN: (Reference Table FS2200-2)*

Temperature Probe Annual Calibration: Date: _____ NIST Therm. ID#: _____

	Temp. (°C)	DO*(mg/L)	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	22.6	8.98	915	8.98	Y	ICV
Post	28.2	7.80	740	7.77	N	CCV

ORP: (Reference Table 6.2 Zobell Solution Values)*

	ORP (millivolts)*	Element #	Exp. Date	Time	Temp. (°C)	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial								
Post								

TURBIDITY:

	Turbidity (NTU)	Element #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	<0.10	N405186	3-12	930	0.12	N	CCV
	20	↓	↓	↓	19.8	↓	↓
	100	↓	↓	↓	103	↓	↓
	800	↓	↓	↓	812	↓	↓
Post	<0.10	N403786	3-12	750	0.15	N	CCV
	20	↓	↓	↓	14.5	↓	↓
	100	↓	↓	↓	100	↓	↓
	800	↓	↓	↓	801	↓	↓

Acceptance Criteria: 1-10 NTU=10%, 11-40 NTU=8%, 41-100 NTU=6.5%, >100 NTU=5%

Calibrated only in Calibrate Mode

ICV- Initial Calibration Verification (perform only in Run Mode)

CCV- Continuing Calibration Verification (perform only in Run Mode)

Signature: [Signature]

Date: 1-12-12

Field Calibration Logbook

Name: Ryan Reid Date: 1-18-12 Instrument #: MZ T3 Make/Model: YSI 556 / Hyd 2/2009

pH:

	pH Buffer	Element #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)	Temp. (°C)
Initial	7.00	N404056	3-13	750	7.05	N	CCV	21.1
	4.00	N404620	3-13	↓	4.01	↓	↓	↓
	10.00							
Post	7.00	N404056	3-13	1625	7.08	N	CCV	23.7
	4.00	N404620	3-13	↓	3.97	↓	↓	23.4
	10.00							

CONDUCTIVITY STANDARD:

	Conductivity (uS/cm)	Element #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	100						
	1000	N406868	3-13	748	1002	N	CCV
	10000						
Post	100						
	1000	N406868	3-13	1623	1005	N	CCV
	10000						

DISSOLVED OXYGEN: (Reference Table FS2200-2)*

Temperature Probe Annual Calibration: Date:

NIST Therm. ID#:

	Temp. (°C)	DO*(mg/L)	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	15.2	10.04	746	10.03	Y	ICV
Post	22.3	8.69	1620	8.65	N	CCV

ORP: (Reference Table 6.2 Zobell Solution Values)*

	ORP (millivolts)*	Element #	Exp. Date	Time	Temp. (°C)	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial								
Post								

TURBIDITY:

	Turbidity (NTU)	Element #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	<0.10	N403786	3-12	753	0.11	N	CCV
	20	↓	↓	↓	21.0	↓	↓
	100	↓	↓	↓	98.6	↓	↓
	800	↓	↓	↓	799	↓	↓
Post	<0.10	N403786	3-12	1628	0.14	N	CCV
	20	↓	↓	↓	20.7	↓	↓
	100	↓	↓	↓	102	↓	↓
	800	↓	↓	↓	813	↓	↓

Acceptance Criteria: 1-10 NTU=10%, 11-40 NTU=8%, 41-100 NTU=6.5%, >100 NTU=5%

Calibrated only in Calibrate Mode

ICV- Initial Calibration Verification (perform only in Run Mode)

CCV- Continuing Calibration Verification (perform only in Run Mode)

Signature: _____

Date: 1-18-12

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-45734-1

Login Number: 45734

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	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.8,1.0c Cu07
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.	N/A	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-45734-1

Login Number: 45734

List Number: 1

Creator: Howard, Brandon L

List Source: TestAmerica Savannah

List Creation: 01/19/12 11:38 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: 660-45734-1

Login Number: 45734

List Number: 2

Creator: Lawhon, Jon

List Source: TestAmerica Savannah

List Creation: 01/20/12 08:41 AM

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.	True	



Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-45734-1

Login Number: 45734

List Number: 3

Creator: Moore, Ron A

List Source: TestAmerica Savannah

List Creation: 01/23/12 10:49 AM

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.	True	



Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-45734-1

Login Number: 45781

List Source: TestAmerica Tampa

List Number: 1

Creator: Snead, Joshua

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	2.8c Cu07
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.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-45734-1

Login Number: 45781

List Number: 1

Creator: Howard, Brandon L

List Source: TestAmerica Savannah

List Creation: 01/20/12 01:39 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: 660-45734-1

Login Number: 45783

List Source: TestAmerica Tampa

List Number: 1

Creator: Edwards, Erricka

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	0.8c CU-07
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.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-45734-1

Login Number: 45783

List Number: 1

Creator: Howard, Brandon L

List Source: TestAmerica Savannah

List Creation: 01/20/12 01:39 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: 660-45734-1

Login Number: 45786

List Source: TestAmerica Tampa

List Number: 1

Creator: Edwards, Erricka

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	0.8c Cu07
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.	N/A	
Residual Chlorine Checked.	N/A	

LABORATORY REPORT 46113

February 21, 2012

Contains Analytical Results for Re-Sampling
of Monitor Wells:

- 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: 660-46113-1

Client Project/Site: Citrus County Landfill Resampling
Sampling Event: Semi-annual

For:

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

Attn: Mr. Aamod Sonawane

Judith A Beato

Authorized for release by:
2/21/2012 2:37:10 PM

Judith Beato
Project Manager I
judith.beato@testamericainc.com

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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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Definitions/Glossary

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

TestAmerica Job ID: 660-46113-1

Qualifiers

GC/MS 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.

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 Landfill Resampling

TestAmerica Job ID: 660-46113-1

Job ID: 660-46113-1

Laboratory: TestAmerica Tampa

Narrative

Job Narrative
660-46113-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

Metals

Method(s) 6020, 6020A: The ICSA for batch 229098 exceeded the acceptance limits for element: Mn.

No other analytical or quality issues were noted.

Field Service / Mobile Lab

No analytical or quality issues were noted.

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Detection Summary

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

TestAmerica Job ID: 660-46113-1

Client Sample ID: Field Blank 46113

Lab Sample ID: 660-46113-1

No Detections

Client Sample ID: MW-19

Lab Sample ID: 660-46113-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1.6		1.0	0.50	ug/L	1		8260B	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	5.16				SU	1		Field Sampling	Total/NA
Field Temperature	22.8				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.77				mg/L	1		Field Sampling	Total/NA
Specific Conductance	63				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.87				NTU	1		Field Sampling	Total/NA
Water Level	108.48				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-20

Lab Sample ID: 660-46113-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	32000		100	33	ug/L	1		6020	Total Recovera
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	5.67				SU	1		Field Sampling	Total/NA
Field Temperature	22.0				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.47				mg/L	1		Field Sampling	Total/NA
Specific Conductance	338				umhos/cm	1		Field Sampling	Total/NA
Turbidity	4.93				NTU	1		Field Sampling	Total/NA
Water Level	114.53				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-21

Lab Sample ID: 660-46113-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.5		1.0	0.50	ug/L	1		8260B	Total/NA
Vinyl chloride	1.3		1.0	0.50	ug/L	1		8260B	Total/NA
Iron	2100		100	33	ug/L	1		6020	Total Recovera
Iron	1100		100	33	ug/L	1		6020	Dissolved
Color	Cloudy				Color Units	1		Field Sampling	Total/NA
Field pH	4.52				SU	1		Field Sampling	Total/NA
Field Temperature	22.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.39				mg/L	1		Field Sampling	Total/NA
Specific Conductance	77				umhos/cm	1		Field Sampling	Total/NA
Turbidity	73.6				NTU	1		Field Sampling	Total/NA
Water Level	110.50				ft	1		Field Sampling	Total/NA

Client Sample ID: Trip Blank Assessment 46113

Lab Sample ID: 660-46113-5

No Detections

Client Sample Results

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

TestAmerica Job ID: 660-46113-1

Client Sample ID: Field Blank 46113

Lab Sample ID: 660-46113-1

Date Collected: 02/09/12 08:55

Matrix: Ground Water

Date Received: 02/10/12 16:55

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			02/14/12 12:35	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/14/12 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		70 - 130					02/14/12 12:35	1
Dibromofluoromethane	100		70 - 130					02/14/12 12:35	1
Toluene-d8 (Surr)	102		70 - 130					02/14/12 12:35	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	33	U	100	33	ug/L		02/15/12 09:53	02/15/12 16:35	1

Client Sample ID: MW-19

Lab Sample ID: 660-46113-2

Date Collected: 02/09/12 15:30

Matrix: Ground Water

Date Received: 02/10/12 16:55

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.6		1.0	0.50	ug/L			02/14/12 13:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		70 - 130					02/14/12 13:18	1
Dibromofluoromethane	99		70 - 130					02/14/12 13:18	1
Toluene-d8 (Surr)	103		70 - 130					02/14/12 13:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			02/09/12 15:30	1
Field pH	5.16				SU			02/09/12 15:30	1
Field Temperature	22.8				Degrees C			02/09/12 15:30	1
Oxygen, Dissolved	0.77				mg/L			02/09/12 15:30	1
Specific Conductance	63				umhos/cm			02/09/12 15:30	1
Turbidity	3.87				NTU			02/09/12 15:30	1
Water Level	108.48				ft			02/09/12 15:30	1

Client Sample ID: MW-20

Lab Sample ID: 660-46113-3

Date Collected: 02/09/12 11:18

Matrix: Ground Water

Date Received: 02/10/12 16:55

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	32000		100	33	ug/L		02/15/12 09:53	02/15/12 16:41	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			02/09/12 11:18	1
Field pH	5.67				SU			02/09/12 11:18	1
Field Temperature	22.0				Degrees C			02/09/12 11:18	1
Oxygen, Dissolved	0.47				mg/L			02/09/12 11:18	1
Specific Conductance	338				umhos/cm			02/09/12 11:18	1
Turbidity	4.93				NTU			02/09/12 11:18	1
Water Level	114.53				ft			02/09/12 11:18	1

Client Sample Results

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

TestAmerica Job ID: 660-46113-1

Client Sample ID: MW-21

Lab Sample ID: 660-46113-4

Date Collected: 02/09/12 13:55

Matrix: Ground Water

Date Received: 02/10/12 16:55

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.5		1.0	0.50	ug/L			02/14/12 13:38	1
Vinyl chloride	1.3		1.0	0.50	ug/L			02/14/12 13:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		70 - 130					02/14/12 13:38	1
Dibromofluoromethane	98		70 - 130					02/14/12 13:38	1
Toluene-d8 (Surr)	103		70 - 130					02/14/12 13:38	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	2100		100	33	ug/L		02/15/12 09:54	02/15/12 16:55	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1100		100	33	ug/L		02/15/12 09:54	02/15/12 16:48	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Cloudy				Color Units			02/09/12 13:55	1
Field pH	4.52				SU			02/09/12 13:55	1
Field Temperature	22.5				Degrees C			02/09/12 13:55	1
Oxygen, Dissolved	0.39				mg/L			02/09/12 13:55	1
Specific Conductance	77				umhos/cm			02/09/12 13:55	1
Turbidity	73.6				NTU			02/09/12 13:55	1
Water Level	110.50				ft			02/09/12 13:55	1

Client Sample ID: Trip Blank Assessment 46113

Lab Sample ID: 660-46113-5

Date Collected: 02/09/12 00:00

Matrix: Ground Water

Date Received: 02/10/12 16:55

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			02/14/12 10:24	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/14/12 10:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		70 - 130					02/14/12 10:24	1
Dibromofluoromethane	98		70 - 130					02/14/12 10:24	1
Toluene-d8 (Surr)	104		70 - 130					02/14/12 10:24	1

Surrogate Summary

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

TestAmerica Job ID: 660-46113-1

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

Matrix: Ground Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)	DBFM (70-130)	TOL (70-130)
660-46113-1	Field Blank 46113	96	100	102
660-46113-2	MW-19	96	99	103
660-46113-4	MW-21	96	98	103
660-46113-5	Trip Blank Assessment 46113	96	98	104

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)

Lab Sample ID	Client Sample ID	BFB (70-130)	DBFM (70-130)	TOL (70-130)
660-46068-L-2 DU	Duplicate	93	98	102
660-46111-I-1 MS	Matrix Spike	99	97	100
LCS 660-120958/4	Lab Control Sample	100	98	100
MB 660-120958/7	Method Blank	97	99	102

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

QC Sample Results

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

TestAmerica Job ID: 660-46113-1

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

Lab Sample ID: MB 660-120958/7

Matrix: Water

Analysis Batch: 120958

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			02/14/12 09:18	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			02/14/12 09:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		70 - 130		02/14/12 09:18	1
Dibromofluoromethane	99		70 - 130		02/14/12 09:18	1
Toluene-d8 (Surr)	102		70 - 130		02/14/12 09:18	1

Lab Sample ID: LCS 660-120958/4

Matrix: Water

Analysis Batch: 120958

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	20.0	18.4		ug/L		92	57 - 130
Benzene	20.0	20.6		ug/L		103	68 - 134
Vinyl chloride	20.0	18.8		ug/L		94	48 - 147

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: 660-46111-I-1 MS

Matrix: Water

Analysis Batch: 120958

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
Methylene Chloride	4.0		20.0	18.2		ug/L		91	57 - 130
Benzene	0.50	U	20.0	19.8		ug/L		99	68 - 134
Vinyl chloride	0.50	U	20.0	17.0		ug/L		85	48 - 147

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	97		70 - 130
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: 660-46068-L-2 DU

Matrix: Water

Analysis Batch: 120958

Client Sample ID: Duplicate

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
Vinyl chloride	0.50	U	0.50	U	ug/L		NC	30

Surrogate	DU %Recovery	DU Qualifier	Limits
4-Bromofluorobenzene	93		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8 (Surr)	102		70 - 130

QC Sample Results

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

TestAmerica Job ID: 660-46113-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 680-229098/1-A
Matrix: Water
Analysis Batch: 229214

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 229098

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	33	U	100	33	ug/L		02/15/12 09:53	02/15/12 15:08	1

Lab Sample ID: LCS 680-229098/2-A
Matrix: Water
Analysis Batch: 229214

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 229098

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	4630		ug/L		93	75 - 125

Lab Sample ID: 400-63064-B-4-B MS
Matrix: Water
Analysis Batch: 229214

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 229098

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	1200		5000	5530		ug/L		86	75 - 125

Lab Sample ID: 400-63064-B-4-C MSD
Matrix: Water
Analysis Batch: 229214

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 229098

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	1200		5000	5810		ug/L		92	75 - 125	5	20

QC Association Summary

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

TestAmerica Job ID: 660-46113-1

GC/MS VOA

Analysis Batch: 120958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46068-L-2 DU	Duplicate	Total/NA	Water	8260B	
660-46111-I-1 MS	Matrix Spike	Total/NA	Water	8260B	
660-46113-1	Field Blank 46113	Total/NA	Ground Water	8260B	
660-46113-2	MW-19	Total/NA	Ground Water	8260B	
660-46113-4	MW-21	Total/NA	Ground Water	8260B	
660-46113-5	Trip Blank Assessment 46113	Total/NA	Ground Water	8260B	
LCS 660-120958/4	Lab Control Sample	Total/NA	Water	8260B	
MB 660-120958/7	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 229098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-63064-B-4-B MS	Matrix Spike	Dissolved	Water	3005A	
400-63064-B-4-C MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	
660-46113-1	Field Blank 46113	Total Recoverable	Ground Water	3005A	
660-46113-3	MW-20	Total Recoverable	Ground Water	3005A	
660-46113-4	MW-21	Dissolved	Ground Water	3005A	
660-46113-4	MW-21	Total Recoverable	Ground Water	3005A	
LCS 680-229098/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-229098/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 229214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-63064-B-4-B MS	Matrix Spike	Dissolved	Water	6020	229098
400-63064-B-4-C MSD	Matrix Spike Duplicate	Dissolved	Water	6020	229098
660-46113-1	Field Blank 46113	Total Recoverable	Ground Water	6020	229098
660-46113-3	MW-20	Total Recoverable	Ground Water	6020	229098
660-46113-4	MW-21	Dissolved	Ground Water	6020	229098
660-46113-4	MW-21	Total Recoverable	Ground Water	6020	229098
LCS 680-229098/2-A	Lab Control Sample	Total Recoverable	Water	6020	229098
MB 680-229098/1-A	Method Blank	Total Recoverable	Water	6020	229098

Field Service / Mobile Lab

Analysis Batch: 121000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-46113-2	MW-19	Total/NA	Ground Water	Field Sampling	
660-46113-3	MW-20	Total/NA	Ground Water	Field Sampling	
660-46113-4	MW-21	Total/NA	Ground Water	Field Sampling	

Lab Chronicle

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

TestAmerica Job ID: 660-46113-1

Client Sample ID: Field Blank 46113

Lab Sample ID: 660-46113-1

Date Collected: 02/09/12 08:55

Matrix: Ground Water

Date Received: 02/10/12 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120958	02/14/12 12:35	AP	TAL TAM
Total Recoverable	Prep	3005A			229098	02/15/12 09:53	CDJ	TAL SAV
Total Recoverable	Analysis	6020		1	229214	02/15/12 16:35	BR	TAL SAV

Client Sample ID: MW-19

Lab Sample ID: 660-46113-2

Date Collected: 02/09/12 15:30

Matrix: Ground Water

Date Received: 02/10/12 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120958	02/14/12 13:18	AP	TAL TAM
Total/NA	Analysis	Field Sampling		1	121000	02/09/12 15:30		TAL TAM

Client Sample ID: MW-20

Lab Sample ID: 660-46113-3

Date Collected: 02/09/12 11:18

Matrix: Ground Water

Date Received: 02/10/12 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			229098	02/15/12 09:53	CDJ	TAL SAV
Total Recoverable	Analysis	6020		1	229214	02/15/12 16:41	BR	TAL SAV
Total/NA	Analysis	Field Sampling		1	121000	02/09/12 11:18		TAL TAM

Client Sample ID: MW-21

Lab Sample ID: 660-46113-4

Date Collected: 02/09/12 13:55

Matrix: Ground Water

Date Received: 02/10/12 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120958	02/14/12 13:38	AP	TAL TAM
Dissolved	Prep	3005A			229098	02/15/12 09:54	CDJ	TAL SAV
Dissolved	Analysis	6020		1	229214	02/15/12 16:48	BR	TAL SAV
Total Recoverable	Prep	3005A			229098	02/15/12 09:54	CDJ	TAL SAV
Total Recoverable	Analysis	6020		1	229214	02/15/12 16:55	BR	TAL SAV
Total/NA	Analysis	Field Sampling		1	121000	02/09/12 13:55		TAL TAM

Client Sample ID: Trip Blank Assessment 46113

Lab Sample ID: 660-46113-5

Date Collected: 02/09/12 00:00

Matrix: Ground Water

Date Received: 02/10/12 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	120958	02/14/12 10:24	AP	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

Certification Summary

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

TestAmerica Job ID: 660-46113-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Tampa	Alabama	State Program	4	40610
TestAmerica Tampa	Florida	NELAC	4	E84282
TestAmerica Tampa	Georgia	State Program	4	905
TestAmerica Tampa	USDA	USDA		P330-11-00177
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	Arkansas DOH	6	N/A
TestAmerica Savannah	Arkansas	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Delaware	State Program	3	N/A
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	Georgia	Georgia EPD	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kentucky	Kentucky UST	4	18
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina	North Carolina DENR	4	269
TestAmerica Savannah	North Carolina	North Carolina PHL	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	USDA		SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	NELAC	3	460161
TestAmerica Savannah	Virginia	State Program	3	302
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	West Virginia DEP	3	94
TestAmerica Savannah	West Virginia	West Virginia DHHR (DW)	3	9950C
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q

Certification Summary

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

TestAmerica Job ID: 660-46113-1

Laboratory	Authority	Program	EPA Region	Certification ID
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Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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Method Summary

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

TestAmerica Job ID: 660-46113-1

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



Sample Summary

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

TestAmerica Job ID: 660-46113-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-46113-1	Field Blank 46113	Ground Water	02/09/12 08:55	02/10/12 16:55
660-46113-2	MW-19	Ground Water	02/09/12 15:30	02/10/12 16:55
660-46113-3	MW-20	Ground Water	02/09/12 11:18	02/10/12 16:55
660-46113-4	MW-21	Ground Water	02/09/12 13:55	02/10/12 16:55
660-46113-5	Trip Blank Assessment 46113	Ground Water	02/09/12 00:00	02/10/12 16:55

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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
 Client Contact: Mr. Anand Sorawane
 Company: CDM Smith, Inc.
 Address: 1715 North Westshore Blvd, Suite 875
 City: Tampa
 State, Zip: FL, 33607
 Phone: [Blank]
 Email: sonawaneas@cdmsmith.com
 Project Name: Citrus County Landfill re-sample
 State: Florida

Sampler: Ryan Bell
 Phone: 707-453-3076
 Lab P/N: Beato, Judith
 E-Mail: judith.beato@testamericainc.com

Carrier Tracking No(s): [Blank]

COC No: 660-39563-12845 1
 Page: Page 1 of 1
 Job #: 660-46113

Due Date Requested: [Blank]
 TAT Requested (days): [Blank]
 PO #: [Blank]
 Purchase Order Requested: [Blank]
 IWO #: 71138-79196-TASK1
 Project #: 66003335
 SSOW#: [Blank]

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (G=Comp, G=grab)	Matrix (Water, Sediment, Organic, Inorganic, Other)	Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers	Special Instructions/Note:
					Y	N	Y	N		
MMW-21	2-9-12	1355	G	Water	X	X	X	X		
Field Blank		855		Water	N	X	X			
MMW-20		1118		Water	N	X				
MMW-19		1530		Water	N		X			
Trip Blank				Water	N	X				

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

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

Empty Kit Relinquished by: [Blank] Date: [Blank] Time: [Blank] Method of Shipment: [Blank]

Relinquished by: [Signature] Date/Time: 2-9-12 1705 Company: EA

Relinquished by: [Signature] Date/Time: [Blank] Company: [Blank]

Relinquished by: [Signature] Date/Time: [Blank] Company: [Blank]

Custody Seals Intact: Yes No Custody Seal No.: [Blank]

Kept by: [Signature] Date/Time: 2/10/12 1655 Company: THTampa
 Received by: [Signature] Date/Time: [Blank] Company: [Blank]

Cooler Temperature(s) and Other Remarks: T.C. CO-01 DAF

Special Instructions/QC Requirements: [Blank]

Return To Client Disposal By Lab Archive For [Blank] Months

TESTAMERICA ORLANDO FIELD SAMPLING LOG -
 DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

Meter #'s: _____

PAGE: 1 of 1

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>Lecanto</u>
WELL NO: <u>Field Blank</u>	SAMPLE ID: <u>Field Blank</u>
DATE: <u>2-9-12</u>	

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (_____ feet - _____ feet) X _____ gallons/foot = _____ gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = _____ gallons + (_____ gallons/foot X _____ feet) + _____ gallons = _____ gallons				

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):		FINAL PUMP OR TUBING DEPTH IN WELL (feet):			PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
<i>N/A</i>												

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" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 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: <u>Ryan Reich</u>	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: <u>850</u>	SAMPLING ENDED AT: <u>855</u>
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP Y <input type="checkbox"/> N	TUBING Y <input type="checkbox"/> N (replaced)	DUPLICATE: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL EID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>Field Blank</u>	<u>3</u>	<u>CG</u>	<u>40ml</u>	<u>none</u>	<u>0</u>	<u>7.2</u>	<u>UCL</u>	<u>0</u>	<u>N/A</u>
<u>↓</u>	<u>1</u>	<u>PE</u>	<u>250 mL</u>	<u>HNO₃</u>	<u>↓</u>	<u>7.2</u>	<u>metals</u>	<u>↓</u>	<u>↓</u>

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; RFP = 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

TESTAMERICA ORLANDO FIELD SAMPLING LOG -
 DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

Meter #s: mz T3

PAGE: 1 of 2

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>Lecanto</u>
WELL NO: <u>mw-20</u>	SAMPLE ID: <u>mw-20</u>
DATE: <u>2-9-12</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: <u>105</u> feet to <u>125</u> feet	STATIC DEPTH TO WATER (feet): <u>114.53</u>	PURGE PUMP TYPE OR BAILER: <u>DBP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) <u>11.17</u> = (<u>125.70</u> feet - <u>114.53</u> feet) X <u>.16</u> gallons/foot = <u>1.90</u> 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): <u>122</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>122</u>	PURGING INITIATED AT: <u>907</u>	PURGING ENDED AT: <u>1113</u>	TOTAL VOLUME PURGED (gallons): <u>8.10</u>
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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
935	1.50	1.80	.06	114.61	5.63	22.4	324	.47	312	cloudy	NO	39
942	.45	2.25	.06	114.61	5.66	22.3	334	.47	158			37
949	.45	2.70	.06	114.61	5.68	22.2	339	.46	74.1			36
956	.45	3.15	.06	114.61	5.68	22.2	339	.46	42.6			37
1003	.45	3.60	.06	114.61	5.68	22.1	338	.48	28.5			39
1010	.45	4.05	.06	114.61	5.67	22.2	337	.48	21.4			42
1017	.45	4.50	.06	114.61	5.67	22.2	336	.48	19.4	clear		43
1024	.45	4.95	.06	114.61	5.67	22.2	336	.49	17.3			44
1031	.45	5.40	.06	114.61	5.67	22.1	335	.50	15.8			45
1038	.45	5.85	.06	114.61	5.67	22.1	336	.49	15.0			46
1045	.45	6.30	.06	114.61	5.66	22.2	336	.48	11.3			47

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

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Ryan Reul</u>	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: <u>1113</u>	SAMPLING ENDED AT: <u>1118</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>122</u>	TUBING MATERIAL CODE: <u>PE</u>	FIELD-FILTERED: Y <input checked="" type="checkbox"/> (N)	FILTER SIZE: <u> </u> μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> (N)	TUBING Y <input checked="" type="checkbox"/> (replaced)	DUPLICATE: Y <input checked="" type="checkbox"/> (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>mw-20</u>	<u>3</u>	<u>CG</u>	<u>40ml</u>	<u>UMP</u>	<u>0</u>	<u>5.2</u>	<u>VOCs</u>	<u>DBP</u>	<u>240</u>
<u>↓</u>	<u>1</u>	<u>PE</u>	<u>250ml</u>	<u>HNO3</u>	<u>↓</u>	<u>5.2</u>	<u>Metals</u>	<u>↓</u>	<u>↓</u>

REMARKS: 15 sec Recharge
concentration by 17 Purged @ 20 Ppm 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 EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFP = 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

TESTAMERICA ORLANDO FIELD SAMPLING LOG -
 DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

Meter #'s: 072 TS

PAGE: 2 of 2

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>Zecento</u>
WELL NO: <u>MW-20</u>	DATE: <u>2-9-12</u>

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: <u>105</u> feet to <u>125</u> feet	STATIC DEPTH TO WATER (feet): <u>114.53</u>	PURGE PUMP TYPE OR BAILER: <u>DBP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) <u>11.17</u> = (<u>125</u> - <u>114.53</u>) feet X <u>16</u> gallons/foot = <u>1.80</u> 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): <u>122</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>122</u>	PURGING INITIATED AT: <u>907</u>	PURGING ENDED AT: <u>1113</u>	TOTAL VOLUME PURGED (gallons): <u>8.10</u>
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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
<u>1052</u>	<u>.45</u>	<u>6.75</u>	<u>.06</u>	<u>114.61</u>	<u>5.67</u>	<u>22.2</u>	<u>337</u>	<u>.46</u>	<u>9.14</u>	<u>clear</u>	<u>no</u>	<u>49</u>
<u>1059</u>	<u>.45</u>	<u>7.20</u>	<u>.06</u>	<u>114.61</u>	<u>5.67</u>	<u>22.2</u>	<u>337</u>	<u>.45</u>	<u>8.47</u>	<u>↓</u>	<u>↓</u>	<u>54</u>
<u>1106</u>	<u>.45</u>	<u>7.65</u>	<u>.06</u>	<u>114.61</u>	<u>5.66</u>	<u>22.1</u>	<u>338</u>	<u>.47</u>	<u>7.55</u>	<u>↓</u>	<u>↓</u>	<u>56</u>
<u>1113</u>	<u>.45</u>	<u>8.10</u>	<u>.06</u>	<u>114.61</u>	<u>5.67</u>	<u>22.0</u>	<u>338</u>	<u>.47</u>	<u>4.93</u>	<u>↓</u>	<u>↓</u>	<u>53</u>

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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Ryan Reid</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1113</u>	SAMPLING ENDED AT: <u>1118</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>122</u>	TUBING MATERIAL CODE: <u>PE</u>	FIELD-FILTERED: Y <u>(N)</u>	FILTRATION Equipment Type: _____
FIELD DECONTAMINATION: PUMP Y <u>(N)</u>	TUBING Y <u>(replaced)</u>	DUPLICATE: Y <u>(N)</u>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAIN ERS	MATERI AL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>MW-20</u>	<u>3</u>	<u>CG</u>	<u>400 mL</u>	<u>UMP</u>	<u>↓</u>	<u>5.6</u>	<u>VOC'S</u>	<u>DBP</u>	<u>200</u>
<u>↓</u>	<u>1</u>	<u>PE</u>	<u>250 mL</u>	<u>HNO3</u>	<u>↓</u>	<u>5.2</u>	<u>metals</u>	<u>L</u>	<u>↓</u>

REMARKS: Cons. from pg 15 Purged @ 200 PM 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 EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; 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

TESTAMERICA ORLANDO FIELD SAMPLING LOG -
DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

Meter #s: m2 T3

PAGE: 1 of

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>Lecanto</u>
WELL NO: <u>m2-21</u>	SAMPLE ID: <u>m2-21</u>
DATE: <u>2-9-12</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: <u>105</u> feet to <u>125</u> feet	STATIC DEPTH TO WATER (feet): <u>110.50</u>	PURGE PUMP TYPE OR BAILER: <u>DBP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) <u>15.4</u> = (<u>125.90</u> feet - <u>110.50</u> feet) X <u>16</u> gallons/foot = <u>2.46</u> 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): <u>121.5</u>		FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>121.5</u>		PURGING INITIATED AT: <u>1144</u>		PURGING ENDED AT: <u>1347</u>		TOTAL VOLUME PURGED (gallons): <u>7.12</u>				
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) <u>µmhos/cm or µS/cm</u>	DISSOLVED OXYGEN (circle units) <u>(mg/L) or % saturation</u>	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
1227	2.46	2.46	.06	110.73	4.57	21.9	74	.50	101	Cloudy	NO	158
1237	.62	3.08	.06	110.73	4.57	21.5	74	.59	91.6			166
1247	.62	3.70	.06	110.73	4.53	21.2	74	.77	98.7			173
1257	.62	4.32	.06	110.73	4.58	20.9	74	.80	97.2			174
1307	.62	4.94	.06	110.73	4.57	20.5	74	.84	101			178
1317	.62	5.56	.06	110.73	4.56	21.5	77	.68	64.0			181
1327	.62	6.18	.06	110.73	4.57	22.4	78	.50	73.9			178
1337	.62	6.80	.06	110.73	4.51	22.4	78	.41	76.3			173
1347	.62	7.42	.06	110.73	4.52	22.5	77	.39	73.6			167

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: <u>Ryan Reich</u>		SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT: <u>1347</u>		SAMPLING ENDED AT: <u>1355</u>	
PUMP OR TUBING DEPTH IN WELL (feet): <u>121.5</u>		TUBING MATERIAL CODE: <u>PE</u>		FIELD-FILTERED: <input checked="" type="checkbox"/> N		FILTER SIZE: <u>2.0</u> µm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> Y		TUBING <input checked="" type="checkbox"/> Y (replaced)		DUPLICATE: <input checked="" type="checkbox"/> Y			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>ML-1</u>	<u>3</u>	<u>CG</u>	<u>40mL</u>	<u>unt</u>	<u>0</u>	<u>4.5</u>	<u>VOC's</u>	<u>DBP</u>	<u>240</u>
<u>↓</u>	<u>1</u>	<u>PE</u>	<u>250m</u>	<u>HNO3</u>	<u>↓</u>	<u>5.2</u>	<u>Metals</u>	<u>↓</u>	<u>↓</u>
							<u>Diss Metals</u>		

REMARKS: Filtered Turb 1.25 purged @ 2 CPM 16sec discharge 14sec discharge @ 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; RFP = 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

TESTAMERICA ORLANDO FIELD SAMPLING LOG -
 DEP-SOP-001/01- Form FD 9000-24 GROUNDWATER SAMPLING

Meter #'s: m2 T3

PAGE: 1 of 1

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>Lecont</u>
WELL NO: <u>m2-19</u>	SAMPLE ID: <u>mw-19</u>
DATE: <u>2-9-12</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: <u>130</u> feet to <u>140</u> feet	STATIC DEPTH TO WATER (feet): <u>108.48</u>	PURGE PUMP TYPE OR BAILER: <u>DBP</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $31.52 = (140.00 \text{ feet} - 108.48 \text{ feet}) \times .16 \text{ gallons/foot} = 5.04 \text{ gallons}$				
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): <u>117</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>117</u>	PURGING INITIATED AT: <u>1417</u>	PURGING ENDED AT: <u>1525</u>	TOTAL VOLUME PURGED (gallons): <u>7.56</u>								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
<u>1514</u>												
<u>1503</u>	<u>5.04</u>	<u>5.04</u>	<u>.11</u>	<u>109.22</u>	<u>5.21</u>	<u>22.7</u>	<u>64</u>	<u>.85</u>	<u>4.63</u>	<u>clear</u>	<u>NO</u>	<u>236</u>
<u>1514</u>	<u>1.26</u>	<u>6.30</u>	<u>.11</u>	<u>109.22</u>	<u>5.18</u>	<u>22.8</u>	<u>63</u>	<u>.81</u>	<u>4.86</u>	<u>↓</u>	<u>↓</u>	<u>233</u>
<u>1525</u>	<u>1.26</u>	<u>7.56</u>	<u>.11</u>	<u>109.22</u>	<u>5.16</u>	<u>22.8</u>	<u>63</u>	<u>.77</u>	<u>3.87</u>	<u>↓</u>	<u>↓</u>	<u>234</u>

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: <u>Ryan Perle</u>	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: <u>1525</u>	SAMPLING ENDED AT: <u>1530</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>117</u>	TUBING MATERIAL CODE: <u>PE</u>	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>mw-19</u>	<u>3</u>	<u>CG</u>	<u>40mL</u>	<u>LWP</u>	<u>0</u>	<u>5.1</u>	<u>JOC3</u>	<u>DBP</u>	<u>200</u>

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; RFPF = 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: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

Name: Ryan Reich Date: 2-9-12 Instrument # ML T3 Make/Model: YSI 556/Hecl 200P

pH:

	pH Buffer	Element #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)	Temp. (°C)
Initial	7.00	N408844	8-13	635	7.07	N	CCV	24.0
	4.00	N406302	6-13	↓	4.08	↓	↓	23.9
	10.00							
Post	7.00	N408844	8-13	1715	7.05	N	CCV	24.6
	4.00	N406302	6-13	↓	4.09	↓	↓	24.7
	10.00							

CONDUCTIVITY STANDARD:

	Conductivity (uS/cm)	Element #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	100						
	1000	N406840	3-13	632	1000	Y	ICV
	10000			↑			
Post	100						
	1000	N406840	3-13	1712	997	N	CCV
	10000						

DISSOLVED OXYGEN: (Reference Table FS2200-2)*

Temperature Probe Annual Calibration: Date: _____ NIST Therm. ID#: _____

	Temp. (°C)	DO*(mg/L)	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	23.5	8.49	630	8.49	Y	ICV
Post	24.2	8.38	1710	8.40	N	CCV

ORP: (Reference Table 6.2 Zobell Solution Values)*

	ORP (millivolts)*	Element #	Exp. Date	Time	Temp. (°C)	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial								
Post								

TURBIDITY:

	Turbidity (NTU)	Element #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	<0.10	N403786	3-12	640	0.13	N	CCV
	20	↓	↓	↓	20.7	↓	↓
	100	↓	↓	↓	101	↓	↓
	800	↓	↓	↓	804	↓	↓
Post	<0.10	N403786	7-12	1720	0.11	N	CCV
	20	↓	↓	↓	21.9	↓	↓
	100	↓	↓	↓	103	↓	↓
	800	↓	↓	↓	798	↓	↓

Acceptance Criteria: 1-10 NTU=10%, 11-40 NTU=8%, 41-100 NTU=6.5%, >100 NTU=5%

Calibrated only in Calibrate Mode
 ICV- Initial Calibration Verification (perform only in Run Mode)
 CCV- Continuing Calibration Verification (perform only in Run Mode)

Signature: _____ Date: 2-9-12

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-46113-1

Login Number: 46113

List Source: TestAmerica Tampa

List Number: 1

Creator: Edwards, Erricka

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	7.1c CU-07
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.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-46113-1

Login Number: 46113

List Number: 1

Creator: Howard, Brandon L

List Source: TestAmerica Savannah

List Creation: 02/14/12 01:37 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	