

**Citrus County, Florida
Citrus County Central Class I Landfill
Facility WACS # SWD/09/39859
Permit# 21375-018-SO/01
Semi-Annual Water Quality Monitoring
Report (First Half 2015)**

March 2015

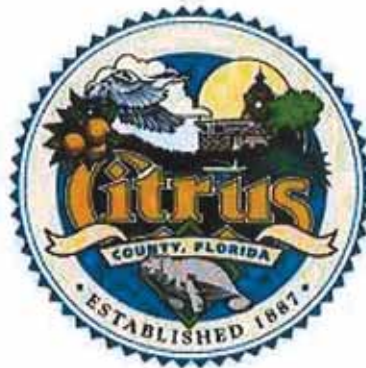


**CDM
Smith**

Citrus County, Florida

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Section 1

Introduction

The first half of 2015 semi-annual monitoring event for the Citrus County Central Class I Landfill (WACS Facility ID SWD/09/39859) was performed on January 20 and 21, 2015. The water quality samples were collected and analyzed by personnel from TestAmerica Laboratories, Inc. (TestAmerica). Static water levels were measured on January 20, 2015, by CDM Smith, Inc. (CDM Smith) personnel.

The current operations permit (21375-018-SO/01) requires that groundwater samples be collected semi-annually from two background monitor wells (MW-3 and MW-7), nine compliance monitor wells (MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-17, MW-20 and MW-21), and two assessment monitor wells (MW-20 and MW-21). 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). The permit also requires that a leachate effluent sample be collected semi-annually at the discharge from the chlorine contact tank of the leachate treatment plant and one intermediate monitor well (MW-6) to evaluate the effectiveness of the leachate treatment system and the effect of the discharge of treated leachate on groundwater within the permitted zone of discharge.

All samples were collected and analyzed in accordance with Florida Department of Environmental Protection (FDEP) protocols and the permit conditions. Groundwater samples collected from compliance and background wells were analyzed for ammonia, chlorides, nitrate, total dissolved solids (TDS), iron, mercury, sodium, and parameters listed in 40 CFR, Part 258, Appendix I in accordance with Specific Condition E.4.b. Groundwater samples collected from assessment wells were analyzed for benzene, methylene chloride, and vinyl chloride in accordance with Specific Condition E.4.d. The groundwater sample collected from the intermediate monitor well was analyzed for iron, chlorides, sodium, TDS, arsenic, and total trihalomethanes (TTHMs) in accordance with Specific Condition E.4.c. The leachate effluent sample collected from the chlorine contact tank was analyzed for chlorides, sodium, TDS, arsenic, total ammonia, benzene, toluene, ethylbenzene, total xylenes, vinyl chloride, and TTHMs in accordance with Specific Condition E.9.a.2. Specific conductivity, pH, temperature, dissolved oxygen (DO), turbidity, and temperature were measured in leachate and groundwater samples in the field. Colors and sheens were noted as appropriate.

In accordance with Specific Condition E.10.a of the operations permit for the facility issued by the FDEP on December 20, 2010 (amended on October 16, 2013 and December 19, 2013), and Chapter 62-701.510(8)(a), this semi-annual report contains the following:

- Section 2 – Summary of Exceedances and Recommendations,
- Section 3 – Groundwater Contours,
- Section 4 – Summary of Results from MW-6 and Leachate Effluent Analyses,
- Section 5 – Chain of Custody Forms,
- Section 6 – Water Level Data,

- Section 7 – Water Quality Monitoring Certification (FDEP Form # 62-701.900(31)),
- Section 8 – Field Sampling Logs, and
- Section 9 –Laboratory Analytical Reports

Laboratory and field electronic data deliverables (EDDs) in ADaPT format are submitted separately.

Section 2

Summary of Exceedances and Recommendations

A summary of the exceedances of groundwater quality criteria for the first half of 2015 semi-annual groundwater sampling event is provided in **Table 2-1**. Based on evaluation of the data from the January 2015 monitoring event, continued monitoring in accordance with the current permit is recommended.

2.1 pH

Measured values of pH were below the Secondary Drinking Water Standard (SDWS) 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 were similar to historical values reported, but generally higher than the values reported in July 2014.

2.2 Iron

The concentrations of iron exceeded the SDWS Maximum Contaminant Level (MCL) established in Chapter 62-550, F.A.C. in samples collected from compliance wells MW-10, MW-12, MW-13, MW-15, MW-17, MW-20, and MW-21. The concentrations of iron in the samples from these wells were generally consistent with historical concentrations. However, the concentration of iron in the sample collected from MW-13 was slightly higher than the previous historical high and the concentration of iron in the sample collected from MW-17 was the same as the previous historical high. The concentration of iron in the sample from the background well MW-7 also exceeded the SDWS MCL.

2.3 Organic Compounds

Vinyl chloride (detected in samples from compliance well MW-10 and assessment well MW-19), benzene (detected in samples from compliance wells MW-7, MW-10, and MW-21), and methylene chloride (detected in the sample from assessment well MW-19) were the only organic compounds detected in concentrations that exceeded Primary Drinking Water Standard (PDWS) MCLs in the groundwater samples collected in January 2015. Historically, the concentration of vinyl chloride has generally exceeded the PDWS MCL in samples from MW-10. The concentration detected in the sample collected in January 2015 was the same as was detected in the sample collected in July 2014 and is consistent with historical results. Historically, concentrations of benzene have generally exceeded the PDWS MCL in samples from compliance wells MW-10 and MW-21. Although the concentration of benzene detected in the MW-21 sample collected in January 2015 was the same as in the sample collected in July 2014, the concentration of benzene detected in the sample collected from MW-10 in January 2015 was lower than was detected in the sample collected in July 2014. The concentration of benzene detected in the sample collected from well MW-7 in January 2015 was the same as the concentration detected in the July 2014 sample. The concentration of benzene detected in the sample collected from MW-10 and the concentration of vinyl chloride detected in the sample collected from MW-19 are not considered to exceed the MCLs based on the rounding method described in FDEP Rounding Analytical Data for Site Rehabilitation Completion memo dated November 17, 2011.

The concentration of methylene chloride detected in the sample collected in January 2015 from well MW-19 was 7.3 ug/L. This is the second time that methylene chloride was detected in samples collected from this well and the first time that the concentration exceeded the PDWS MCL. The

concentration of methylene chloride (8.7 ug/L) detected in the sample collected from MW-19 on February 17, 2015, confirmed the concentration detected in the sample collected in January 2015.

Table 2-1 Summary of Groundwater Criteria Exceedances January 2015 Sampling Event

Parameter	MCL/GCTL	Units	Well No	Result
Background Wells				
pH	6.5 - 8.5	S.U.	MW-3	4.70
			MW-7	5.00
Iron, total	300	ug/L	MW-7	1,900
Benzene	1	ug/L	MW-7	2.0
Compliance Wells				
pH	6.5 - 8.5	S.U.	MW-10	4.48
			MW-13	5.30
			MW-15	4.55
			MW-17	5.30
			MW-20	5.91
			MW-21	4.54
Iron, total	300	ug/L	MW-10	5,100
			MW-12	2,900
			MW-13	3,700
			MW-15	7,500
			MW-17	13,000
			MW-20	63,000
Iron, dissolved	300	ug/L	MW-10	4,700
			MW-21	910
Benzene	1	ug/L	MW-10	1.3 Δ
			MW-21	1.5
Vinyl Chloride	1	ug/L	MW-10	1.8
Assessment Wells				
pH	6.5 - 8.5	S.U.	MW-18	4.79
			MW-19	5.54
Methylene Chloride	5	ug/L	MW-19	7.3 / 8.7*
Vinyl Chloride	1	ug/L	MW-19	1.2 Δ

Notes:

MCL = Maximum Contaminant Level (Chapter 62-550, F.A.C.)

GCTL = Groundwater Cleanup Target Level (Chapter 62-777, F.A.C.)

S.U. = Standard Unit

mg/L = Milligram per Liter

ug/L = Microgram per Liter

Δ = Although the lab reported this concentration in tenths, using the rounding method described in FDEP Rounding Analytical Data for Site Rehabilitation Completion memo dated November 17, 2011, the value can be rounded to the nearest whole integer which results in this value being equivalent to the MCL/GCTL.

* = Result from Re-sampling

Section 3

Groundwater Contours

Static groundwater levels were measured by CDM Smith personnel on January 20, 2015. A contour map is provided as **Figure 3-1**. Water level data are provided in Section 6.

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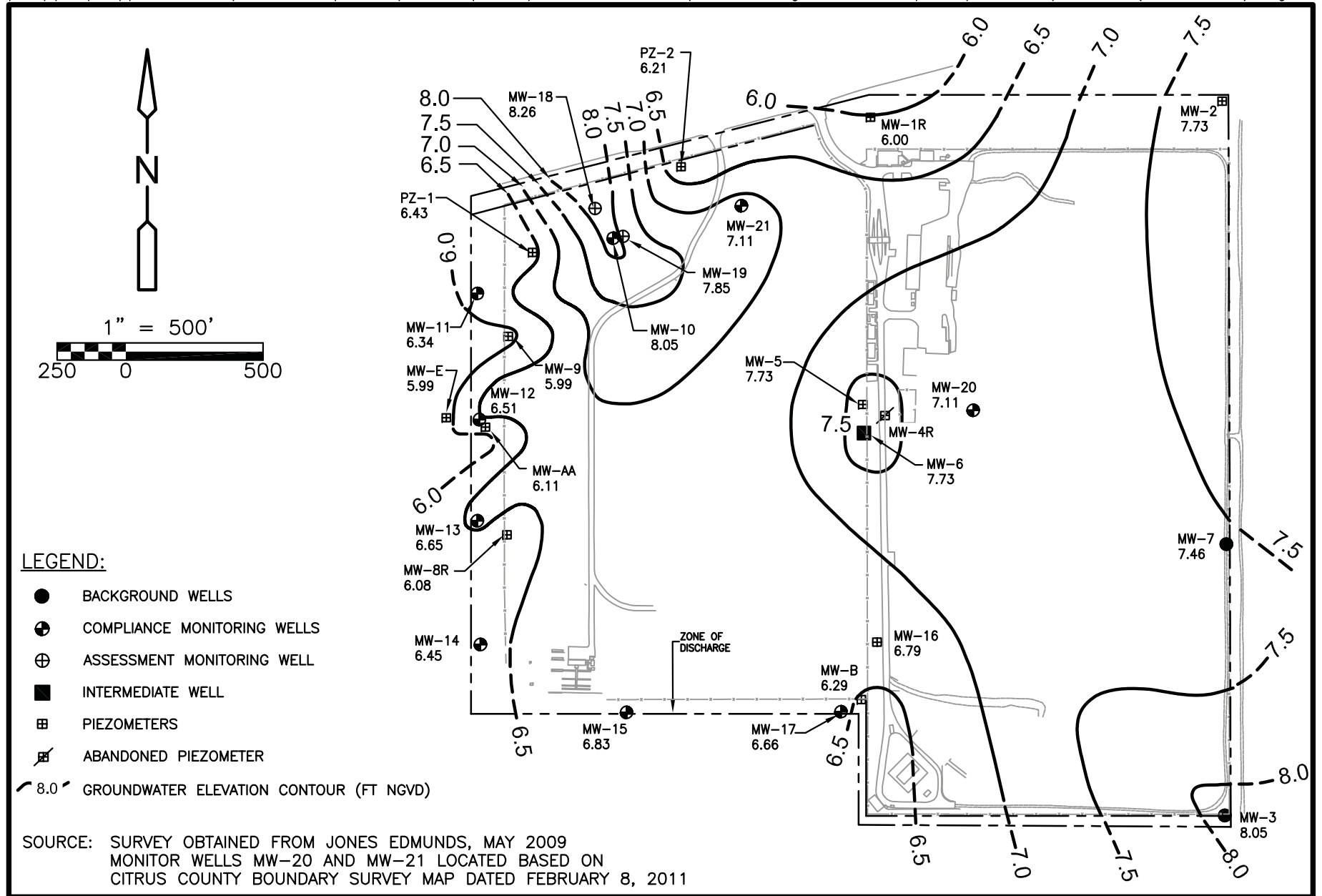


Figure No. 3-1
 Groundwater Contour Map of Floridan Aquifer
 Citrus County Central Landfill
 Water Level Data Collected January 20, 2015

Section 4

Summary of Results from MW-6 and Leachate Effluent Analyses

Intermediate well MW-6 is located within the permitted zone of discharge for the facility. This well is sampled semi-annually for the parameters listed in Specific Condition E.4.c. of the permit. In accordance with Specific Condition E.10.a. of the permit, the results are compared to groundwater standards. However, because MW-6 is located within the permitted zone of discharge for the facility, compliance with the groundwater standards is not required. Trend analyses of the results are performed in accordance with Specific Condition E.10.a. of the permit to evaluate potential effects of the discharge of treated leachate on groundwater within the zone of discharge. Leachate effluent sampling is performed semi-annually in accordance with Specific Conditions E.9.a.(1). and E.9.a.(2). of the permit.

4.1 Trend Analysis for Parameters Detected in MW-6

A groundwater sample was collected on January 21, 2015, from the intermediate monitor well, MW-6. In addition to measurements of field parameters, the sample was analyzed for the semi-annual parameters (iron, chlorides, sodium, TDS, arsenic, and TTHMs) in accordance with Specific Condition E.4.c. of the permit. A copy of the analytical report is included in Section 9. A summary of the analytical results for samples collected from monitor well MW-6 from January 2002 through January 2015 along with the MCLs is provided in **Table 4-1**. Time versus concentration graphs of detected concentrations of each of these parameters and pH readings from MW-6 since January 2002 are presented as **Figures 4-1** through **4-7**. Current results are generally within the historical ranges of concentrations or values. Although the linear regressions may indicate increasing or decreasing trends, in general, the concentrations or values vary greatly resulting in low correlation coefficients.

4.2 Leachate Effluent

The first semi-annual 2015 leachate effluent sample was collected on January 21, 2015. The sample was analyzed for the semi-annual parameters listed in Specific Condition Part E.9.a.(2) of the permit. A copy of the analytical report containing the results of the sample is in Section 9. A summary of the leachate effluent quality analytical results for samples collected from 2010 through January 2015 along with the MCLs is provided in **Table 4-2**. A copy of the analytical report is included in Section 9. Only the concentration of iron detected in the January 2015 sample (430 ug/L) exceeded the MCL.

Table 4-1 Summary of Groundwater Analytical Results for Samples Collected from Monitor Well MW-6 from January 2002 through July 2015

Well No.	Parameter	Units	GCTL/MCL	Jan-02	Jul-02	Jan-03	Jul-03	Jan-04	Jul-04	Jan-05	Aug-05	Jan-06	Sep-06
MW-6	pH	S.U.	6.5 - 8.5	4.40	4.30	4.04	4.44	4.53	4.22	4.61	4.75	4.31	4.33
MW-6	Iron, total	ug/l	300	1,300	240	300	220	930	180	1,200	500	972	762
MW-6	Chloride	mg/l	250	160	260	178	200	190	230	250	256	187	170
MW-6	Sodium, total	mg/l	160	110	130	119	130	130	120	150	159	127	120
MW-6	Residues- Filterable (TDS)	mg/l	500	450	450	451	540	470	660	500	592	534	506
MW-6	Arsenic	ug/l	10	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	2.0	2.3
MW-6	Trihalomethane (THMs)	ug/l	80	13.2	13.8	8.3	6	7.7	15.3	8	10	13	14.5

Well No.	Parameter	Units	GCTL/MCL	Jan-07	Jul-07	Jan-08	Jul-08	Jan-09	Jul-09	Jan-10	Jul-10	Jan-11	Jul-11
MW-6	pH	S.U.	6.5 - 8.5	4.10	4.02	4.23	4.12	4.35	4.37	4.04	3.65	4.38	3.47
MW-6	Iron, total	ug/l	300	141	108	91	204	1,300	280	220	1,400	710	130
MW-6	Chloride	mg/l	250	220	150	120	170	260	220	220	220	220	13
MW-6	Sodium, total	mg/l	160	125	94.6	76	95	140	110	120	100	100	90
MW-6	Residues- Filterable (TDS)	mg/l	500	480	370	310	390	470	430	400	400	380	370
MW-6	Arsenic	ug/l	10	0.65 U	0.65 U	2.7	0.65 U	0.75	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U
MW-6	Trihalomethane (THMs)	ug/l	80	11.6	11	1.2	10.2	6.2	5.9	4.40	6.10	5.40	3.70

Well No.	Parameter	Units	GCTL/MCL	Jan-12	Jul-12	Jan-13	Jul-13	Jan-14	Jul-14	Jan-15
MW-6	pH	S.U.	6.5 - 8.5	4.15	3.99	4.49	4.40	4.37	4.30	4.37
MW-6	Iron, total	ug/l	300	700	2,400	1,800	330	1,100	1,500	1,100
MW-6	Chloride	mg/l	250	250	240	240	230	280	260	280
MW-6	Sodium, total	mg/l	160	110	120	120	110	150	110	150
MW-6	Residues- Filterable (TDS)	mg/l	500	350	420	530	380	410	460	410
MW-6	Arsenic	ug/l	10	0.65 U	0.65 U	1.80	0.65 U	0.65 U	0.65 U	0.65 U
MW-6	Trihalomethane (THMs)	ug/l	80	2.85	3.91	4.70	4.30	4.30	4.30	4.30

Notes:

MCL = Maximum Contaminant Target Level (Chapter 62-550, F.A.C.)

GCTL = Groundwater Cleanup Target Level (Chapter 62-777, F.A.C.)

S.U. = Standard Unit

mg/l = milligram per liter

ug/l = microgram per liter

U - Indicates that the compound was analyzed for but not detected. The value presented is 1/2 the laboratory method detection limit (MDL)



Figure 4-1. Time vs Concentration - pH in Samples from MW-6

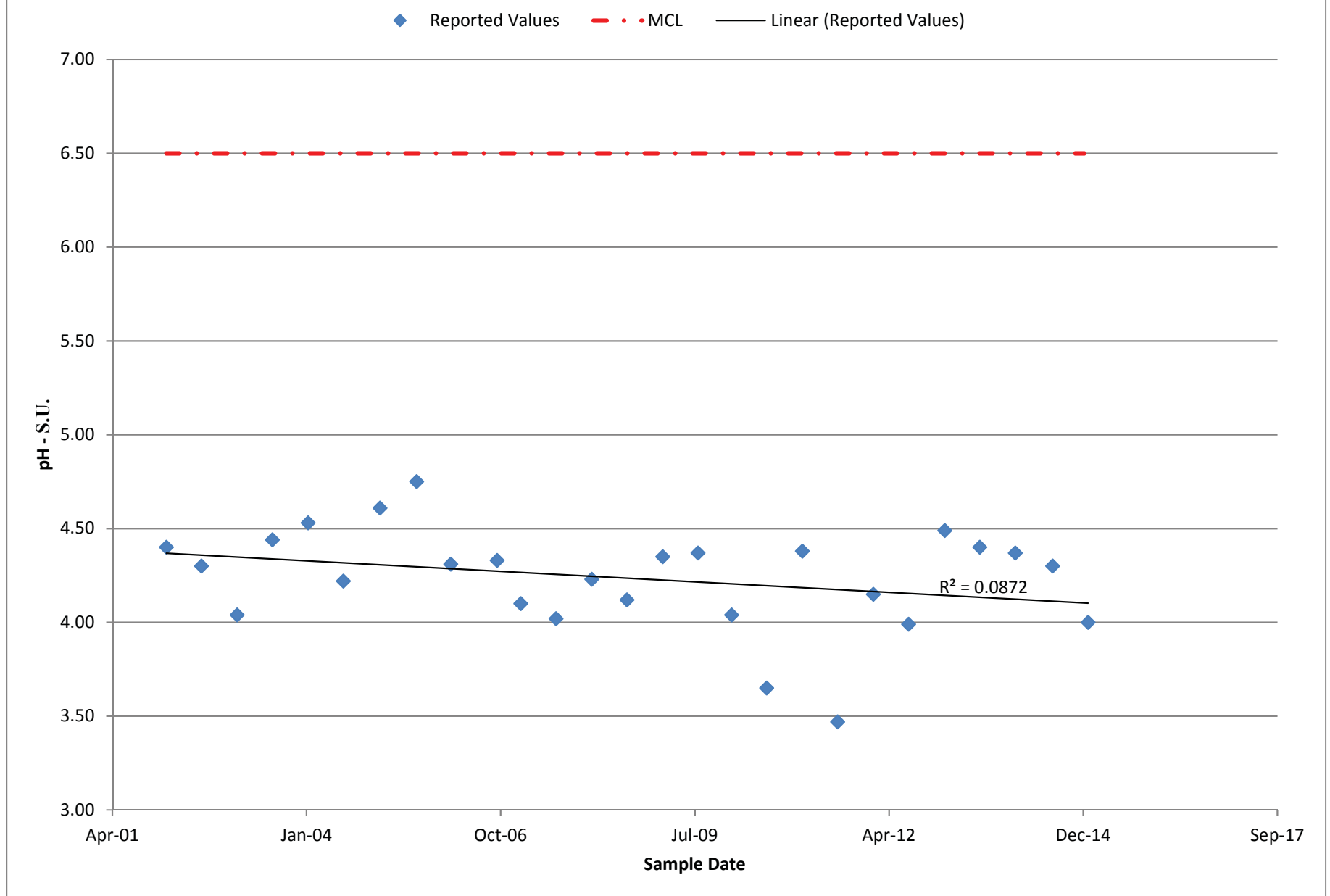


Figure 4-2. Time vs Concentration - Iron in Samples from MW-6

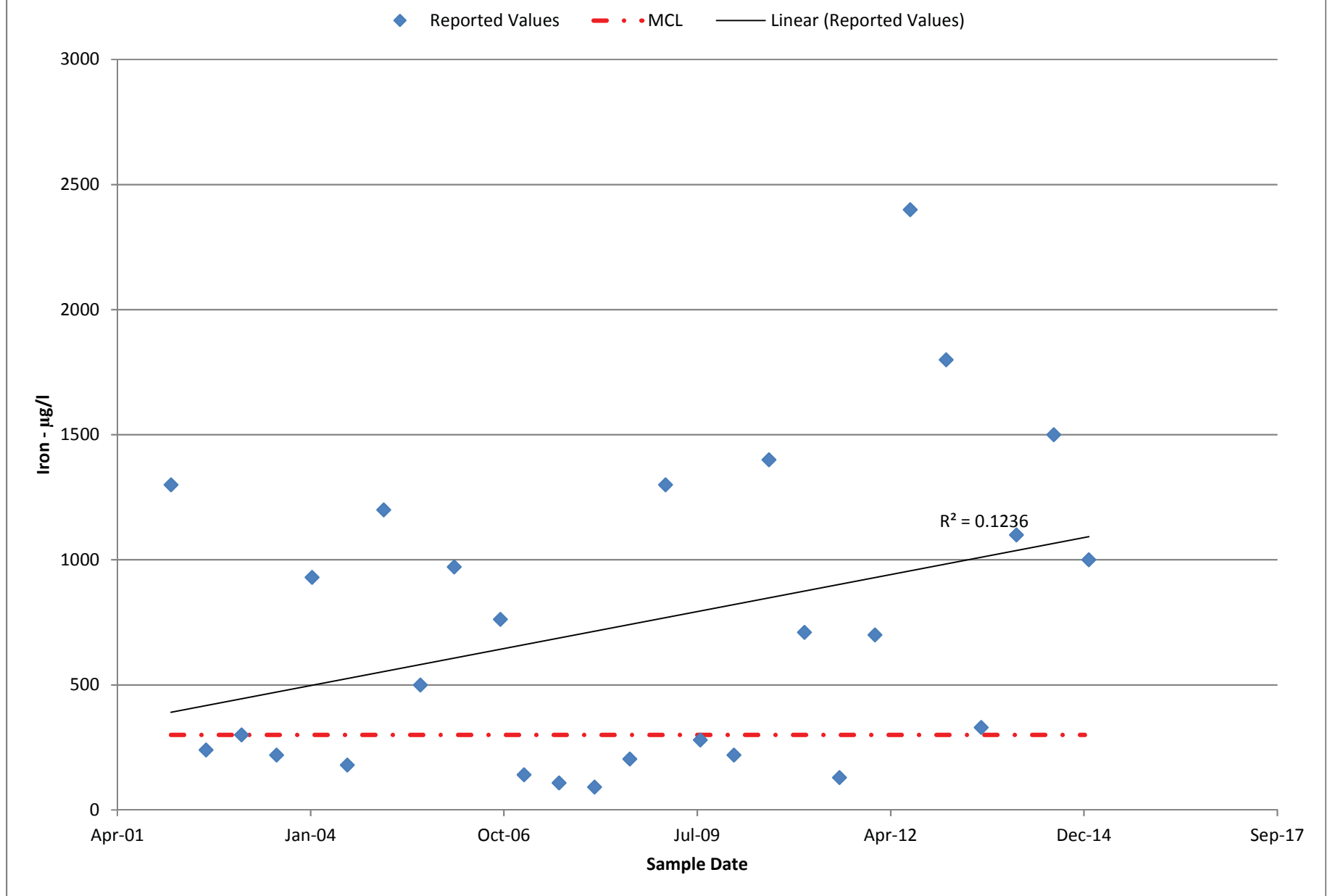


Figure 4-3. Time vs Concentration - Chloride in Samples from MW-6

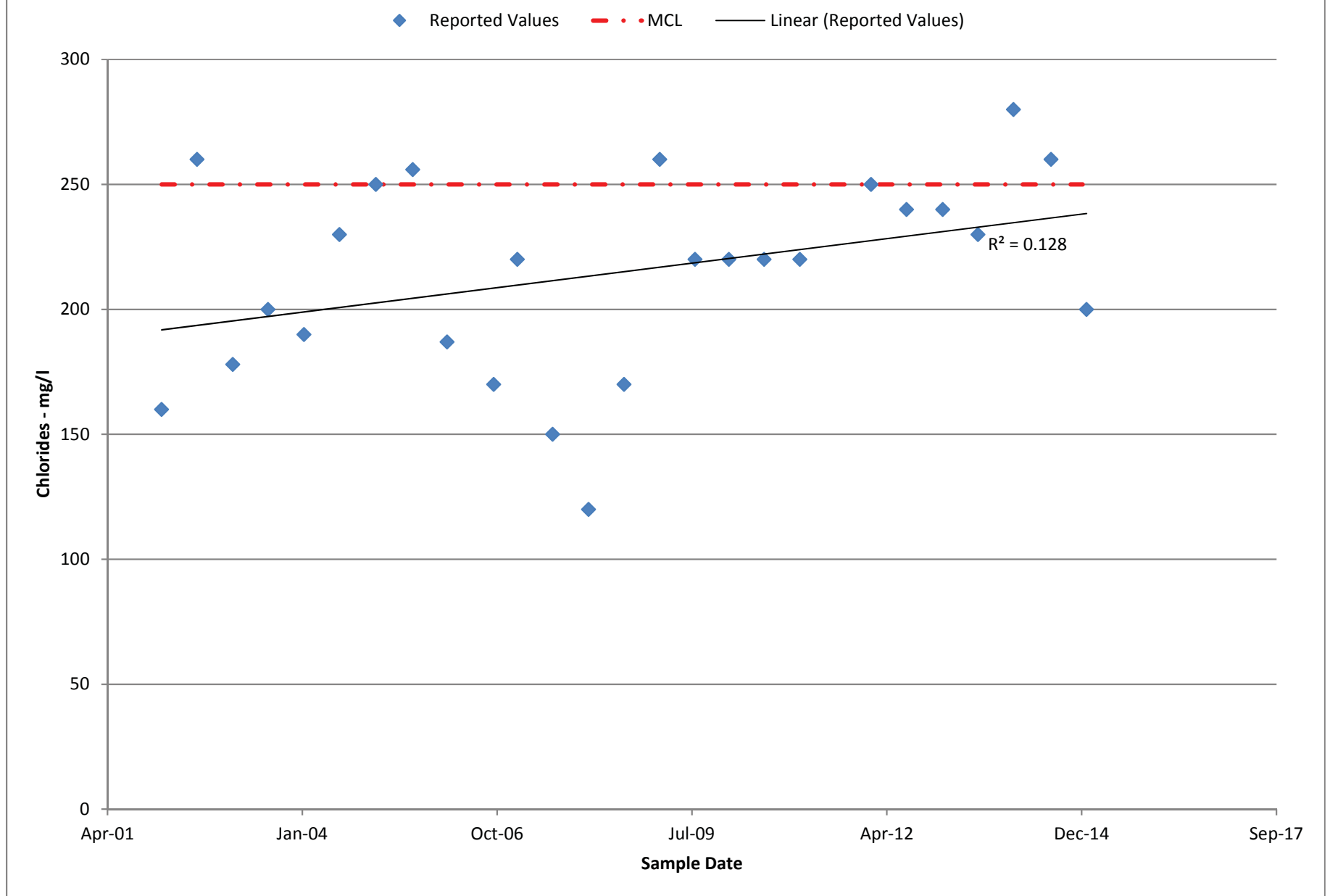


Figure 4-4. Time vs Concentration - Sodium in Samples from MW-6

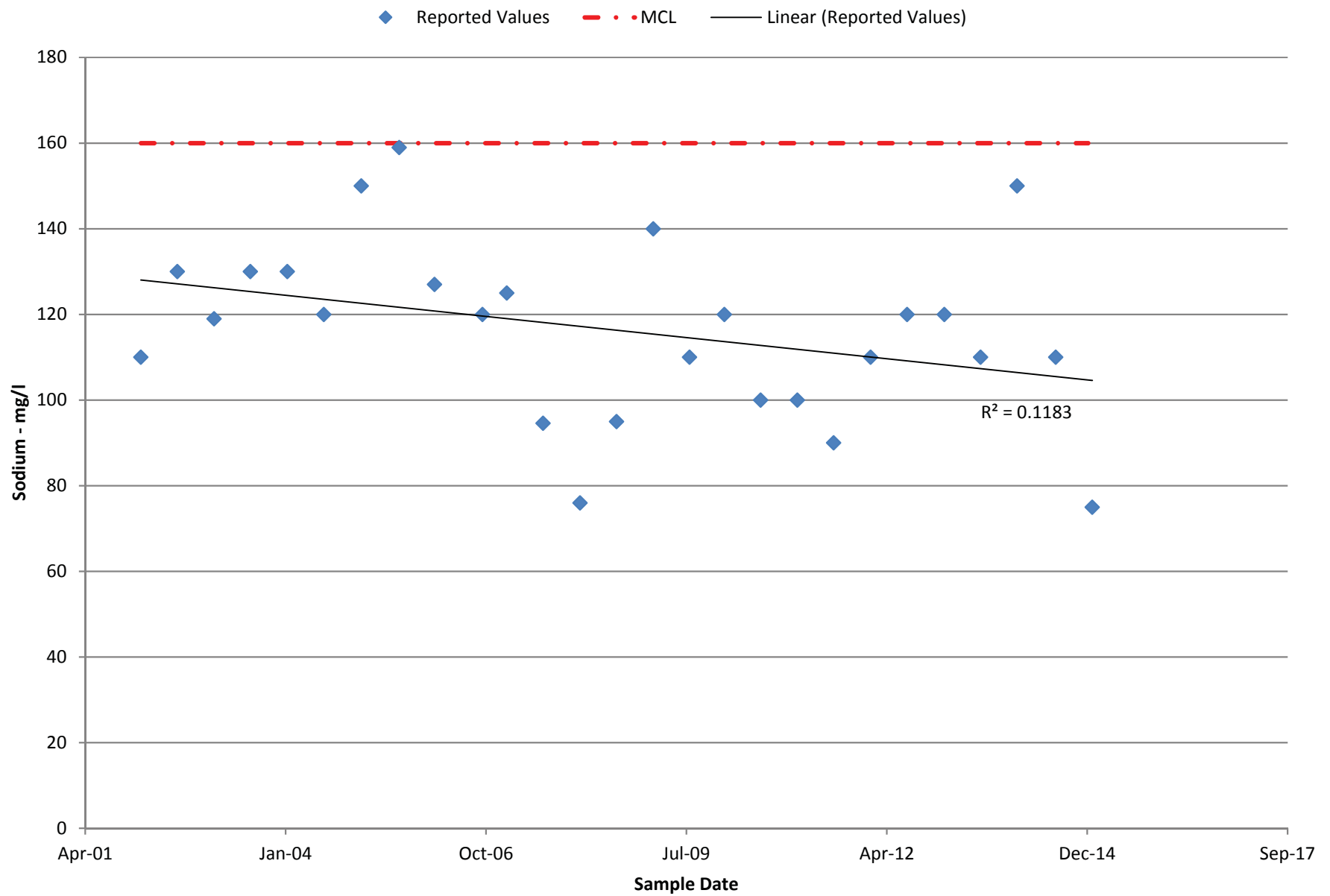


Figure 4-5. Time vs Concentration - TDS in Samples from MW-6

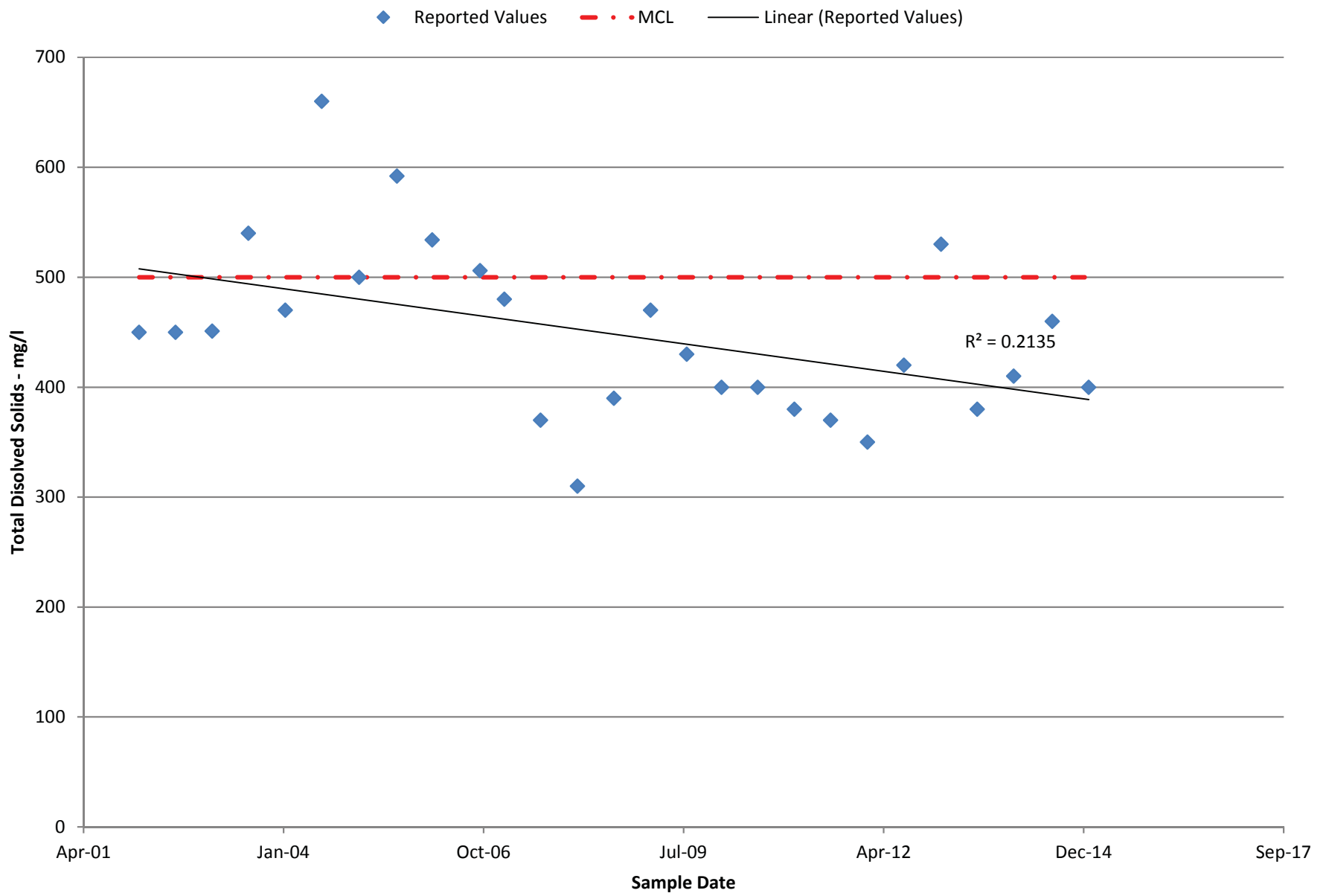


Figure 4-7. Time vs Concentration - Total Trihalomethanes in Samples from MW-6

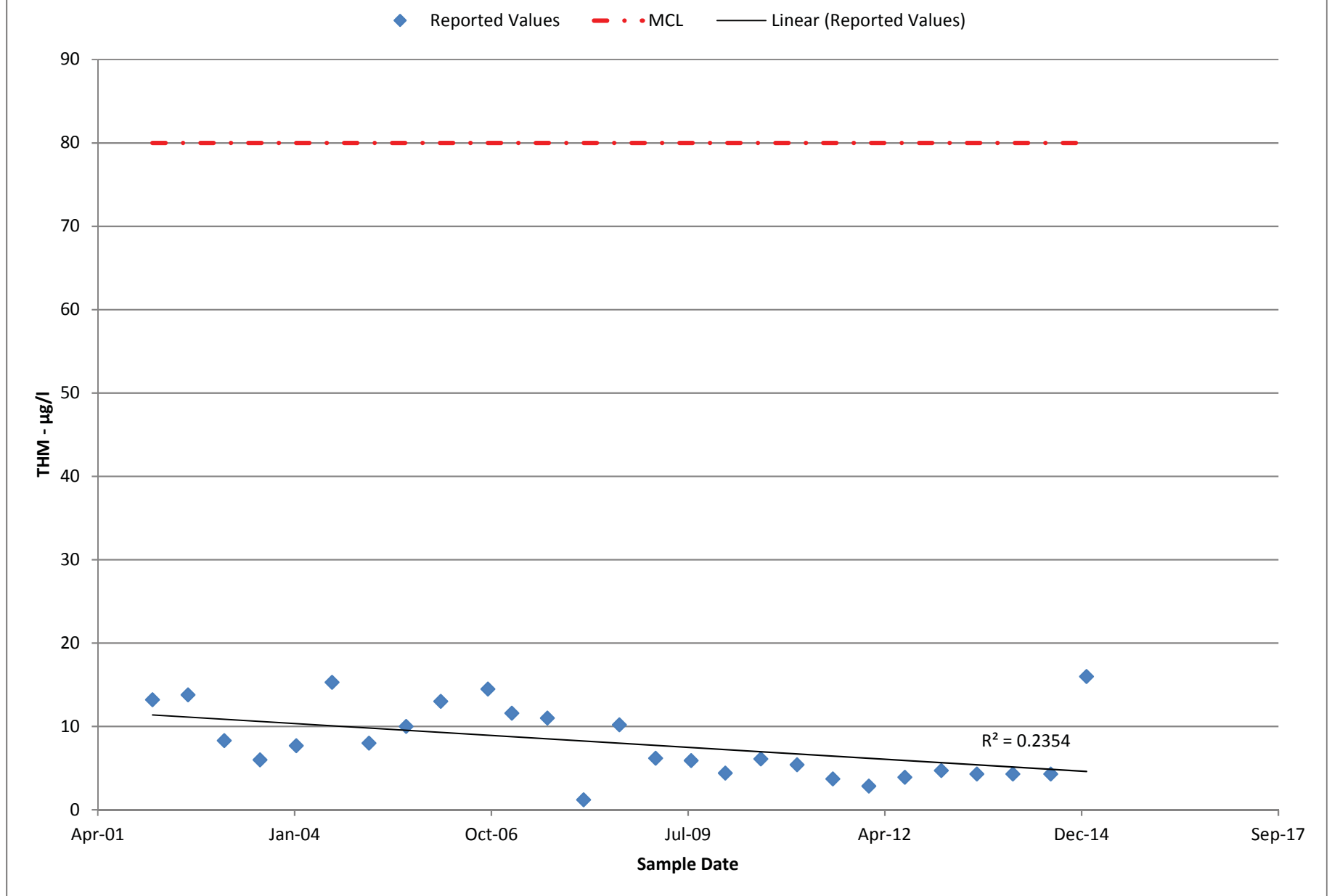


Table 4-2. Summary of Leachate Effluent Quality Analytical Results January 2010 - January 2015
Citrus County Central Landfill

Parameter	Units	Leachate Effluent																			
		1/26/2010	5/12/2010	7/27/2010	9/9/2010 Re-sample	10/27/2010	1/19/2011	4/28/2011	5/25/2011 Re-sample	7/20/2011	10/19/2011	1/18/2012	5/1/2012	7/18/2012	10/17/2012	2/20/2013	4/19/2013	7/17/2013	10/16/2013	1/22/2014	7/23/2014
Volatile Organics																					
Acetone	µg/L	---	---	40	15 l	---	---	---	9.9 U J3	---	---	---	9.9 U	---	---	---	---	---	---	---	---
Benzene	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	---	0.5 U	0.50 U	0.50 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	---	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	µg/L	---	---	1.2	0.45 l	---	---	---	0.42 U	---	---	---	0.42 U	---	---	---	---	---	---	---	---
Chlorobromomethane	µg/L	---	---	5.7	0.58 U	---	---	---	0.58 U	---	---	---	0.58 U	---	---	---	---	---	---	---	---
Chloromethane	µg/L	---	---	2.4 l	1.0 U	---	---	---	1.0 U	---	---	---	1.0 U	---	---	---	---	---	---	---	---
Dibromomethane	µg/L	---	---	5.8	0.41 U	---	---	---	0.41 U	---	---	---	0.41 U	---	---	---	---	---	---	---	---
Ethylbenzene	µg/L	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	---	0.44 U	0.44 U
Ethylene Dibromide	µg/L	0.0098 U	0.0096 U	0.010 U	---	0.010 U	0.0097 U	0.010 U	---	0.010 U	0.010 U	0.010 U	0.0096 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	---	---	---	---
Toluene	µg/L	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	---	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	---	0.51 U	0.51 U	0.51 U
Vinyl chloride	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	---	0.5 U	0.50 U	0.50 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	---	0.50 U	0.50 U	0.71 U
Xylenes, Total	µg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.50 U	---	0.5 U	0.50 U	0.50 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	---	0.50 U	0.50 U	0.50 U
Trihalomethanes																					
Bromodichloromethane	µg/L	13	---	870	170	0.35 U	0.35 U	---	---	30	---	8.7	---	0.35 U	---	87	---	19	---	20	19
Bromoform	µg/L	7	---	190	36	0.58 U	0.58 U	---	---	8.5	---	0.58 U	---	0.58 U	---	17	---	0.79	---	1.3	2
Chloroform	µg/L	8.3	---	900	110	0.90 U	0.90 U	---	---	25	---	9.9	---	1.6	---	60	---	34	---	32	27
Dibromochloromethane	µg/L	9.7	---	670	110	0.34 U	0.34 U	---	---	19	---	2.4	---	0.34 U	---	55	---	6.0	---	6.8	8.7
Total THMs	µg/L	38	---	2630	426	Not Detected	Not Detected	---	---	82.5	---	21	---	1.6	---	220	---	60	---	60	57
Metals																					
Antimony	mg/L	---	---	0.0031 l	---	---	---	---	0.0092 U	---	---	---	0.0029 l	---	---	---	---	---	---	---	---
Arsenic	mg/L	---	---	0.025	0.02	0.034	0.012	0.036	0.046	0.035	0.031	0.032	0.017	0.019	0.012	0.013	0.017	---	0.009 l	0.013	0.011
Barium	mg/L	---	---	0.081	---	---	---	---	0.011	---	---	---	0.064	---	---	---	---	0.051	---	0.043	---
Cadmium	mg/L	---	---	0.000095 U	---	---	---	---	0.000095 U	---	---	---	0.000095 U	---	---	---	---	0.000095 U	---	0.00093	---
Chromium	mg/L	---	---	0.0066	---	---	---	---	0.0063	---	---	---	0.0037 l	---	---	---	---	0.0069	---	0.0082	---
Cobalt	mg/L	---	---	0.019	---	---	---	---	0.022	---	---	---	0.0045	---	---	---	---	---	---	---	---
Copper	mg/L	---	---	0.024	---	---	---	---	0.0027	---	---	---	0.0056	---	---	---	---	---	---	---	---
Iron	mg/L	---	---	0.058 l	---	---	---	---	0.076 l	---	---	---	0.260	---	---	---	---	0.300	---	0.430	---
Lead	mg/L	---	---	0.0031	---	---	---	---	0.00020 U	---	---	---	0.00020 U	---	---	---	---	0.00020 U	---	0.0022	---
Mercury	mg/L	---	---	0.000091 U	---	---	---	---	0.000091 U	---	---	---	0.000091 U	---	---	---	---	---	---	---	---
Nickel	mg/L	---	---	0.071	---	---	---	---	0.077	---	---	---	0.021	---	---	---	---	---	---	---	---
Selenium	mg/L	---	---	0.001 U	---	---	---	---	0.001 U	---	---	---	0.001 U	---	---	---	---	0.0010 U	---	0.0011 l	---
Silver	mg/L	---	---	0.00025 U	---	---	---	---	0.00025 U	---	---	---	0.00025 U	---	---	---	---	0.00025 U	---	0.00039 l	---
Zinc	mg/L	---	---	0.031	---	---	---	---	0.03	---	---	---	0.015 l	---	---	---	---	---	---	---	---
General Chemistry																					
Ammonia, Total	mg/L	0.086	0.17	0.09	---	0.013 l	0.01	10	0.7	0.3	0.22	1.4	0.097	0.91	0.12	0.14	0.28	0.16	---	0.077	0.14
Chloride	mg/L	1000	1200	1300	---	1000	750	960	---	1200	970	1000	1100	570	570	1300	1400	440	---	620	640
Sodium	mg/L	580	750	830	---	670	400	630	---	800	590	760	610	260	380	850	780	270	---	380	380
Total Dissolved Solids	mg/L	2200	2900	1500	---	2500	1600	2400	---	2800	1600	2600	2200	1400	1400	2900	2800	1000	---	1500	1400
General Field Parameters																					
Conductivity	µmhos/cm	3475	4752	4617	4167	4358	3176	3780	4701	3963	3675	4526	4181	2281	2702	4247	5068	2351	---	2364	2944
Dissolved Oxygen	mg/L	7.01	0.75	1.22	1.42	1.36	6.01	8.38	0.14	1.81	1.21	2.28	4.34	7.34	5.52	6.76	2.70	3.05	---	5.89	5.08
pH	S.U.	7.27	7.52	7.37	7.69	8.1	7.52	8.13	7.81	7.65	8.32	7.03	7.44	7.21	8.55	7.73	7.94	7.88	---	8.18	7.98
Oxygen Reduction Potential	mV	228	25.8	350.7	-1.8	164.3	40.2	197.6	216.7	109.4	182.2	217.8	58	-118	-185	109	---	---	---	---	---
Temperature, Water	°C	17.1	27.2	28.5	29.4	26.2	---	27.3	27.5	29.1	25.3	15.9	26.1	27.2	24.3	18.1	25.7	28.5	---	12.36	30.2
Turbidity	NTU	1.84	7.94	3.40	2.71	4.55	---	10.8	7.04	2.69	5.36	8.33	3.64	6.34	3.02	3.13	13.1	5.69	---	10.6	4.03

NOTES:

- THMs - Trihalomethanes
- - Parameter not analyzed
- mg/L - milligrams per liter
- µg/L - micrograms per liter
- NTU - nephelometric turbidity units
- l - analyte detected below the quantitation limit
- U - analyte concentration is below the laboratory method detection limit (MDL) and the MDL is shown.
- J3 - estimated value. The value may not be accurate. Spike recovery or RPD is outside of criteria.

Section 5

Chain of Custody Forms

Chain of custody forms for the groundwater samples collected by TestAmerica personnel are provided in this section.

TestAmerica Orlando
 8010 Support Drive Suite 116
 Orlando, FL 32809
 Phone (800) 851-2560 Fax (407) 856-0886

Chain of Custody Record

TestAmerica
 8010 Support Drive Suite 116 Orlando, FL 32809

Client Information Client Contact: <u>Mr. Nathan Schmaus</u> Company: <u>CDM Smith, Inc.</u> Address: <u>1715 North Westshore Blvd Suite 875</u> City: <u>Tampa</u> State, Zip: <u>FL, 33607</u> Phone: _____ Email: <u>SchmausND@cdmsmith.com</u> Project Name: <u>Citrus County LF Semi-Annual</u> Site: <u>Florida</u>		Lab Pmt: <u>Hornsby, Jess</u> E-Mail: <u>Jess.hornsby@testamericainc.com</u> Carrier Tracking No(s): _____ COC No: <u>660-60628-12679-1</u> Page: <u>Page 1 of 2</u> Job #: _____																																																		
Due Date Requested: _____ TAT Requested (days): _____ PO #: _____ Purchase Order Requested: _____ WO #: <u>71138-84426-GROUNDWATER</u> Project #: <u>66003335</u> SSO#: _____		Analysis Requested <table border="1"> <tr> <th>Field</th> <th>N</th> <th>D</th> <th>N</th> <th>S</th> <th>A</th> <th>N</th> </tr> <tr> <td>2540C - Total Dissolved Solids</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6020, 7470A</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8260B - Appendix 1 Compounds</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>350.1 - Ammonia</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8011 - Appendix 1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>300 ORG.M. 28D - Chloride</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		Field	N	D	N	S	A	N	2540C - Total Dissolved Solids							6020, 7470A							8260B - Appendix 1 Compounds							350.1 - Ammonia							8011 - Appendix 1							300 ORG.M. 28D - Chloride						
Field	N	D	N	S	A	N																																														
2540C - Total Dissolved Solids																																																				
6020, 7470A																																																				
8260B - Appendix 1 Compounds																																																				
350.1 - Ammonia																																																				
8011 - Appendix 1																																																				
300 ORG.M. 28D - Chloride																																																				
Sample Identification <u>Field Blank</u> <u>MW-10</u> <u>MW-21</u> <u>MW-17</u> <u>MW-15</u> <u>MW-11</u> <u>MW-12</u> <u>MW-13</u> <u>MW-14</u> <u>Trip Blank</u>		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Patrom MS/MSD (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 353.2 - Nitrate <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 2540C - Total Dissolved Solids <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 6020, 7470A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 8260B - Appendix 1 Compounds <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 350.1 - Ammonia <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 8011 - Appendix 1 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 300 ORG.M. 28D - Chloride <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																		
Sample Date: <u>1-20-15</u> Sample Time: <u>1255</u> <u>1140</u> <u>1312</u> <u>1448</u> <u>1550</u> <u>1227</u> <u>1349</u> <u>1508</u> <u>1615</u> <u>1-20-15</u>		Matrix (by type, 0=Solid, 1=Liquid, 2=Tissue, A=Air) Preservation Code: Water Water Water Water Water Water Water Water Water Water																																																		
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) _____		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																																																		
Empty Kit Relinquished by: _____ Relinquished by: <u>John Jones</u> Relinquished by: _____ Relinquished by: _____		Method of Shipment: _____ Date/Time: <u>1-20-15 1750</u> Date/Time: _____ Date/Time: _____ Date/Time: _____																																																		
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No: _____		Company: <u>AK Pump</u> Company: <u>AK Pump</u> Company: _____ Company: _____																																																		
Temperature: <u>660-64974</u> Temperature: <u>660-64974</u>		Date/Time: <u>1/20/15 1900</u> Date/Time: <u>1/20/15 1900</u> Date/Time: _____ Date/Time: _____																																																		



Special Instructions/Note:
Diss Metals / Filtered
Diss Metals / Filtered


660-64974 Chain of Custody

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

TestAmerica Orlando
 8010 Sunport Drive Suite 116
 Orlando, FL 32809
 Phone (800) 851-2560 Fax (407) 856-0886

Chain of Custody Record

TestAmerica
2700 N. W. 107th Ave., Suite 100, Fort Lauderdale, FL 33322

Client Information Client Contact: Mr. Nathan Schmaus Company: CDM Smith, Inc. Address: 1715 North Westshore Blvd., Suite 875 City: Tampa State, Zip: FL, 33607 Phone: _____ Email: SchmausND@cdmsmith.com Project Name: Citrus County LF Semi-Annual Site: Florida		Lab PIV: Hornsby, Jess E-Mail: jess.hornsby@testamericainc.com Phone: 407-399-3340 Due Date Requested: _____ TAT Requested (days): _____ PO #: _____ Purchase Order Requested: _____ WC #: 71138-94426-GROUNDWATER Project #: 66003335 SSO#W#: _____		Carrier Tracking (Nest): _____ COC No: 860-60628-12679.1 Page: Page 1 of 2 Job #: _____	
Analysis Requested 240C - Total Dissolved Solids 353.2 - Nitrate 6020, 7470A Field Sampling - Field Parameters 8260B - Appendix I Compounds 350.1 - Ammonia 8011 - Appendix 1 300 ORGFM_28D - Chloride		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> 353.2 - Nitrate 6020, 7470A Field Sampling - Field Parameters 8260B - Appendix I Compounds 350.1 - Ammonia 8011 - Appendix 1 300 ORGFM_28D - Chloride		Total Number of Containers: _____ 65007 Loc: 660  660-65007 Chain of Custody	
Sample Identification MW-20 MW-7 MW-3 Trip Blank	Sample Date 1-21-15 1-21-15 1-21-15 1-21-15	Sample Time 852 1101 1210 	Sample Type (C=comp, G=grab) G G G 	Matrix (Water, Sealed, Open, BT=Thaw, As-Rep) Water Water Water Water Water Water Water Water Water Water	Preservation Code: G G G
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Deliverable Requested: I, II, III, IV, Other (specify) _____		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Empty Kit Relinquished by: _____ Relinquished by: _____ Relinquished by: _____ Relinquished by: _____		Date: _____ Date/Time: 1-21-15 1550 Date/Time: _____ Date/Time: _____		Method of Shipment: _____ Date/Time: 1-21-15 1550 Date/Time: _____ Date/Time: _____	
Relinquished by: _____ Relinquished by: _____ Relinquished by: _____		Company: TA Company: TA Company: TA Company: TA		Company: TA Company: TA Company: TA Company: TA	
Custody Seals Intact: _____ Yes \ No		Custody Seal No.: _____ 32131		Other Remarks: _____ Cu-09	



TestAmerica Orlando
 8010 Sunport Drive Suite 116
 Orlando, FL 32809
 Phone (800) 851-2560 Fax (407) 856-0886

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

Client Information Company: CDM Smith, Inc Address: 1715 North Westshore Blvd., Suite 875 City: Tampa State, Zip: FL, 33607 Phone:		Lab Pkt: Hornsby, Jess E-Mail: jess.hornsby@testamericainc.com Common Tracking No(s): Job #:	
Suggested: <i>Shawn Victory</i> Phone: 407-399-3349		COC No: 660-60629-12680.1 Page: Page 1 of 1	
Due Date Requested: TAT Requested (days): PO #: Purchase Order Requested WC #: 71138-94426-GROUNDWATER Project #: 66003335 SSOI#:		Analysis Requested 2540C - Total Dissolved Solids Field Sampling - Field Parameters (inc. color and sheen) TTHM Calc - Total Trihalomethane Calculation 300_ORGM_28D - Chloride 6020 - Arsenic, Iron, Sodium Total Number of Containers:	
Sample Identification MW-6 Sample Date: 1-21-15 Sample Time: 10:28 Sample Type (C=comp, G=grab): G Preservation Code: Water Matrix (W=water, S=solid, O=other):		Field Filled Sample (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Loc: 660 65009 660-65009 Chain of Custody	
Special Instructions/Note:			
Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:			
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological			
Deliverable Requested: I, II, III, IV, Other (specify)			
Empty Kit Relinquished by:			
Relinquished by: <i>Shawn Victory</i> Date/Time: 1-21-15 1345 Company: THA Tampa		Received by: <i>Shawn Victory</i> Date/Time: 1-21-15 1345 Company: THA Tampa	
Relinquished by: <i>Shawn Victory</i> Date/Time: 1-21-15 1550 Company: THA Tampa		Received by: <i>Shawn Victory</i> Date/Time: 1-21-15 1550 Company: THA Tampa	
Custody Seals Intact: Yes <input type="checkbox"/> No <input type="checkbox"/>			
Custody Seal No.:			
Special Instructions/QC Requirements:			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Method of Shipment:			

TestAmerica Orlando
 8010 Sunport Drive Suite 116
 Orlando, FL 32809
 Phone (800) 851-2560 Fax (407) 856-0886

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

Client Information Company: CDM Smith, Inc. Address: 1715 North Westshore Blvd. Suite 875 City: Tampa State, Zip: FL, 33607 Phone: Email: SchmausND@cdmsmith.com Project Name: Citrus County LF Semi-Annual Site: Florida		Lab Pmt: Hornsby, Jess E-Mail: jess.hornsby@testamericainc.com Carrier Tracking No(s): COC No: 660-60630-12881.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO # Purchase Order Requested WO # 7-1138-94426-GROUNDWATER Project #: 66003335 SSCIV#:		Analysis Requested Total Number of Containers:	
Sample Identification MW-18 MW-19		Field Sampling - Field Parameters Perform MS/MSD (Yes or No) Field Filtered Sample (Yes or No) 660-65010 Chain of Custody Loc: 660 65010 Special Instructions/Note:	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)	
Deliverable Requested <input type="checkbox"/> I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Empty Kit Relinquished by: Relinquished by: [Signature] Relinquished by: [Signature] Relinquished by: [Signature]		Method of Shipment: Received by: [Signature] Received by: [Signature] Received by: [Signature]	
Date/Time: 1-21-15 1345 Date/Time: 1-21-15 1550 Date/Time:		Date/Time: 1-21-15 1345 Date/Time: 1-21-15 1550 Date/Time:	
Company: TAA Company: TAA Company: TAA		Company: TAA Company: TAA Company: TAA	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: 19/1.3 0009	

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

TestAmerica Orlando
 8010 Sunport Drive Suite 116
 Orlando, FL 32809
 Phone (800) 851-2560 Fax (407) 856-0886

Chain of Custody Record

TestAmerica
 THE FLORIDA ENVIRONMENTAL TESTING

Client Information Client Contact: <i>Shawn Victory</i> Mr. Nathan Schmaus Company: CDM Smith, Inc. Address: 1715 North Westshore Blvd. Suite 875 City: Tampa State/Zip: FL, 33607 Phone: <i>407-399-3348</i> Lab P.M.: Hornsby, Jess E-Mail: <i>jess.hornsby@testamericainc.com</i>		Carrier Tracking No(s): COC No: 660-60831-16105.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: Purchase Order not required WO #: 9210021.03 Project #: 66006285 SSOW#:		Analysis Requested 6020A - Arsenic, Sodium 2640C - Total Dissolved Solids 350.1 - Ammonia 300_ORGFH_28D - Chloride TTHM_Calc - Total Trihalomethane Calculation 8260B - BTEX + Vinyl Chloride L.O.C: 660 660-65008 Chain of Custody	
Sample Identification Leachate Effluent Trip Blank		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> D I N S N R A 1 1 1 1 3 3 Matrix (W=water, S=solid, O=water, A=Air) Sample Type (C=Comp, G=grab, P=preservation) Code: Sample Date Sample Time Sample Matrix 1-21-15 913 G Water 1-21-15 Water Water	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Special Instructions/Note:			
Special Instructions/QC Requirements:			
Empty Kit Relinquished by: <i>Shawn Victory</i>		Received by: <i>Shawn Victory</i>	
Relinquished by: <i>Shawn Victory</i>		Received by: <i>Shawn Victory</i>	
Relinquished by: <i>Shawn Victory</i>		Received by: <i>Shawn Victory</i>	
Relinquished by: <i>Shawn Victory</i>		Received by: <i>Shawn Victory</i>	
Date/Time: 1-21-15 1345 Date/Time: 1-21-15 1550 Date/Time:		Date/Time: 1-21-15 1345 Date/Time: 1-21-15 1550 Date/Time:	
Company: <i>TA Tampa</i>		Company: <i>TA Tampa</i>	
Company: <i>TA Tampa</i>		Company: <i>TA Tampa</i>	
Company: <i>TA Tampa</i>		Company: <i>TA Tampa</i>	
Custody Seal No.: <i>1.4 / 1.3</i>		Cooler Temperature(s) °C and Other Remarks:	

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. Nathan Schmaus Company: CDM Smith, Inc. Address: 1715 North Westshore Blvd. Suite 875 City: Tampa State, Zip: FL, 33607 Phone: Email: SchmausND@cdmsmith.com Project Name: Citrus County Landfill resample Site: Florida		Lab P/N: Hornsby, Jess E-Mail: jess.hornsby@testamerica.com Carbur Tracking No(s): COC No: 860-61200-19621.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: Purchase Order Requested WO #: 71138-94426-GROUNDWATER Project #: 66003335 SSOW#:		Analysis Requested Total Number of Containers: <input checked="" type="checkbox"/>	
Sample Identification MW-19 Sample Date: 2-17-15 Sample Time: 11:49 Sample Type (C=Comp, G=grab): G Preservation Code: G Matrix (W=water, S=solid, O=soil, I=instill, A=air): Water Water Water		Field Filtered Sample (Yes or No): <input checked="" type="checkbox"/> Field Sampling - Field Parameters: <input checked="" type="checkbox"/> 6260B - Benzene, Meq, Vinyl Chloride Perform MSWIS (Yes or No): <input checked="" type="checkbox"/> N N X 3	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify):		Special Instructions/Note: Call customer prior to generating report Please only analyze sample for methylene chloride. Com Smith - David Rigdon	
Empty Kit Relinquished by: Relinquished by: [Signature] Relinquished by: [Signature] Relinquished by: [Signature]		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements:	
Relinquished by: Date/Time: 2-17-15 1430 Company: TA-ORL Date/Time: 2-18-15 1040 Company: TA TPA Date/Time:		Received by: Date/Time: 2/18/15 1040 Company: TA TPA Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Cooler Temperature(s) °C and Other Remarks: 1.8/1.3 cu-09		Method of Shipment:	



Section 6

Water Level Data

Static water level data collected by CDM Smith on January 20, 2015, are summarized in **Table 6-1**. In accordance with the permit requirements, these data were used to prepare the groundwater level contour map (**Figure 3-1**).

Table 6-1 Water Level Data Collected at Citrus County Central Class I Landfill

Monitor Well ID	Tasks in 1/2015 Sampling Event	Casing Size (in)	Top of Casing Elev. (NGVD)	Water Levels Measured In January 2015			
				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	100.00	6.11	NS	NS
MW-B	WL only	4	113.46	107.17	6.29	NS	NS
MW-E	WL only	2	109.51	103.52	5.99	NS	NS
MW-1R	WL only	2	118.08	112.08	6.00	NS	NS
MW-2	WL only	2	136.19	128.46	7.73	NS	NS
MW-3	GW Sample & WL	2	120.47	112.42	8.05	112.54	7.93
MW-5	WL only	2	121.14	113.41	7.73	NS	NS
MW-6	GW Sample & WL	2	118.48	110.75	7.73	110.89	7.59
MW-7	GW Sample & WL	2	128.66	121.20	7.46	121.22	7.44
MW-8R	WL only	2	118.08	112.00	6.08	NS	NS
MW-9	WL only	2	113.46	107.47	5.99	NS	NS
MW-10	GW Sample & WL	2	114.20	106.15	8.05	106.15	8.06
MW-11	GW Sample & WL	2	105.21	98.87	6.34	98.87	6.34
MW-12	GW Sample & WL	2	104.01	97.50	6.65	97.52	6.49
MW-13	GW Sample & WL	2	112.61	105.96	6.65	105.92	6.69
MW-14	GW Sample & WL	2	109.12	102.67	6.45	102.66	6.46
MW-15	GW Sample & WL	2	124.21	117.38	6.83	117.36	6.85
MW-16	WL only	2	120.31	113.52	6.79	NS	NS
MW-17	GW Sample & WL	2	111.55	104.89	6.66	104.85	6.70
MW-18	GW Sample & WL	2	116.41	108.15	8.26	108.19	8.22
MW-19	GW Sample & WL	2	114.16	106.31	7.85	106.24	7.92
MW-20	GW Sample & WL	2	119.74	112.63	7.11	112.73	7.01
MW-21	GW Sample & WL	2	115.63	108.52	7.11	108.49	7.14
PZ-1	WL only	2	111.56	105.13	6.43	NS	NS
PZ-2	WL only	2	117.32	111.11	6.21	NS	NS

NOTES:

ft btoc - feet below top of casing

in - inches

NGVD - National Geodetic Vertical Datum (1929)

WL - Water Level

GW - Groundwater

NS - Not Sampled

Initial Round of Water Levels¹ - Static WLs collected from 9:50 to 14:04 on 1/20/15

Section 7

Water Quality Monitoring Report Certification

FDEP Form 62-701.900(31) completed by CDM Smith is provided in this section.



Florida Department of Environmental Protection

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

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

WATER QUALITY MONITORING CERTIFICATION

PART I GENERAL INFORMATION

(1) Facility Name Citrus County Central Class I Landfill
Address P.O. Box 340
City Lecanto Zip 34460-0340 County Citrus
Telephone Number (352) 527-7670

(2) WACS Facility ID SWD/09/39859

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

(4) Authorized Representative's Name David R. Rojas, P.G. w/CDM Smith Title Environmental Scientist
Address 1715 N. West Shore Blvd. Suite 875
City Tampa Zip 33607 County Hillsborough
Telephone Number (813) 281-2900
Email address (if available) Rojasdr@cdmsmith.com

CERTIFICATION

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

3-16-15
(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

Northwest District
160 Government Center
Pensacola, FL 32501-5794
850-595-8380

Northeast District
7625 Baymeadows Way, Ste. 200 B
Jacksonville, FL 32256-7590
904-807-3300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
13051 N. Telecom Pky.
Temple Terrace, FL
813-632-7600

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33902-2549
239-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600

Section 8

Field Sampling Logs

Groundwater sampling logs and equipment calibration logs prepared by TestAmerica are included in this section.

64974-2

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

Meter #s: M1 A-3

PAGE: 1 of 1

SITE NAME: <u>Citrus County Landfill</u>		SITE LOCATION: <u>Leesville, FL</u>	
WELL NO: <u>MW-10</u>		SAMPLE ID:	
DATE: <u>1-20-15</u>			

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: <u>100.5</u> feet to <u>103</u> feet	STATIC DEPTH TO WATER (feet): <u>106.15</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>14.35</u> = <u>120.50</u> feet - <u>106.15</u> feet X <u>1/6</u> gallons/foot = <u>2.30</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>113</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>113</u>	PURGING INITIATED AT: <u>1200</u>	PURGING ENDED AT: <u>1129</u>	TOTAL VOLUME PURGED (gallons): <u>7.0</u>								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (microhm/cm or µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L or % saturation)	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
1032	2.30	2.30	0.7	106.17	4.37	22.6	55	1.48	34.0	clear	NO	-4.1
1046	.63	2.93	0.7	106.77	4.41	22.7	53	1.47	38.9	cloudy		-7.6
1049	.63	3.56	0.6	106.72	4.45	22.6	54	1.39	34.7	↓		-8.6
1056	.63	4.19	0.6	106.72	4.48	22.4	54	1.41	32.5	↓		-3.5
1104	.63	4.82	0.6	106.72	4.49	22.4	54	1.40	29.9	clear		-2.8
1112	.63	5.45	0.6	106.72	4.52	22.5	54	1.41	24.3	↓		-2.3
1120	.63	6.08	0.6	106.72	4.50	22.5	55	1.40	19.8	↓		1.3
1128	.63	6.71	0.6	106.72	4.48	22.7	55	1.53	23.5	↓		6.5
Filtered Turbidity									4.22			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.18; 3" = 0.37; 4" = 0.85; 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>Ben Victory / West America</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1129</u>	SAMPLING ENDED AT: <u>1140</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>113</u>	TUBING MATERIAL CODE: <u>PE T</u>	FIELD-FILTERED: <u>Y</u> (N)	FILTER SIZE: <u> </u> µm
FIELD DECONTAMINATION: PUMP <u>Y</u> (N) TUBING <u>Y</u> (N/replaced)	DUPLICATE: <u>Y</u> (N)		

SAMPL E ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-10	1	PE	300	UNP	0	4.5	TDS	BP	290
	2	PE	250	UNP	0	<2.2	6020/7470A		↓
	2	PE	250/125	H2SO4	0	<2.2	350.1/33.2		↓
	2	PE	1250	UNP	0	4.5	353.2/CI		↓
	3	CG	40	UNP	0	—	8260.3		<150
	3	CG	40	HCl	0	—	5011		<150

REMARKS: well purged @ 2 cpm 15/15 to 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

64974-3

Meter #'s: M-1/T-3

PAGE: 1 of 1

SITE NAME: Citrus County Landfill SITE LOCATION: Leadb, FL
 WELL NO: MW-20 SAMPLE ID: DATE: 1-20-15
~~MW-20~~

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>108.49</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>17.21</u> = (<u>125.40</u> feet - <u>108.49</u> feet) X <u>.16</u> gallons/foot = <u>2.75</u> gallons												
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)												
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>1159</u>	PURGING ENDED AT: <u>1301</u>	TOTAL VOLUME PURGED (gallons): <u>5.0</u>								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) <small>µmhos/cm or µS/cm</small>	DISSOLVED OXYGEN (circle units) <small>(mg/L) or % saturation</small>	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
1235	2.75	2.75	.07	108.79	4.53	23.5	95	.90	39.5	Cloudy	NC	38.9
1244	.63	3.38	.07	108.80	4.54	23.5	96	.92	28.0	↓	↓	36.7
1253	.63	4.01	.06	108.79	4.50	23.6	97	.96	28.3	↓	↓	36.8
1301	.63	4.64	.06	108.79	4.54	23.5	97	.97	27.2			12.9
					Filtered Turbidity				2.33			
<small>WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.66; 5" = 1.02; 6" = 1.47; 12" = 6.88 TUBING INSIDE DIA. CAPACITY (Gal./FL): 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)</small>												

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Sham Victory Test America</u>				SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>				SAMPLING INITIATED AT: <u>1302</u>		SAMPLING ENDED AT: <u>1312</u>	
PUMP OR TUBING DEPTH IN WELL (feet): <u>122</u>				TUBING MATERIAL CODE: <u>PE T</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"/> N (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	MATERI AL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-20	1	PE	500	UNP	0	4.5	TPS	BP	290		
	2	↓	250	HNO3	↓	4.2	6020/7470.7	↓	↓		
	2	↓	250/125	H2Se4	↓	4.2	350.1/333.2	↓	↓		
	2	↓	1250	UNP	↓	4.5	355.2/c1	↓	↓		
	3	CG	70	UNP	↓	—	8260.8	↓	4150		
	3	CG	70	HCl	↓	—	8011	↓	4150		

REMARKS: purged @ 2 cpm 1/5 GORSI

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. STA ILIZATION 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); optional y, ± 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

64974-4

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

Meter #s: M-1 / T-3

PAGE: 1 of 1

SITE NAME: Citrus County Landfill SITE LOCATION: Lecanto, FL WELL NO: MW-17 SAMPLE ID: DATE: 1-20-15

PURGING DATA

WELL DIAMETER (inches): 2 TUBING DIAMETER (inches): 1/4 WELL SCREEN INTERVAL DEPTH: 98 feet to 118 feet STATIC DEPTH TO WATER (feet): 104.85 PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY

Table with columns: TIME, VOLUME PURGED (gallons), CUMUL. VOLUME PURGED (gallons), PURGE RATE (gpm), DEPTH TO WATER (feet), pH (standard units), TEMP. (°C), COND. (circle units), DISSOLVED OXYGEN (circle units), TURBIDITY (NTUs), COLOR describe, ODOR, ORP

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dean Victory / Test America SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1442 SAMPLING ENDED AT: 1448

Table with columns: SAMPLE CONTAINER SPECIFICATION (SAMPL E ID CODE, # CONTAINERS, MATERIAL CODE, VOLUME), SAMPLE PRESERVATION (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)

REMARKS: Purged @ 2 CPM 15/15 65 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)

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64974-5

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

Meter #s: M-1 / F-3

PAGE: 1 of 1

SITE NAME: Citrus County Landfill SITE LOCATION: Lecanto, FL
WELL NO: MW-15 SAMPLE ID: DATE: 1-20-15

PURGING DATA

WELL DIAMETER (inches): 2 TUBING DIAMETER (inches): 1/4 WELL SCREEN INTERVAL DEPTH: 110 feet to 130 feet STATIC DEPTH TO WATER (feet): 117.36 PURGE PUMP TYPE OR BAILER: BP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

Table with 13 columns: TIME, VOLUME PURGED (gallons), CUMUL. VOLUME PURGED (gallons), PURGE RATE (gpm), DEPTH TO WATER (feet), pH (standard units), TEMP. (°C), COND. (microhm/cm or µS/cm), DISSOLVED OXYGEN (circle units), TURBIDITY (NTUs), COLOR describe, ODOR, ORP. Includes data rows for 1534, 1539, 1544.

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jean Victory / TestAmerica SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1544 SAMPLING ENDED AT: 1550
PUMP OR TUBING DEPTH IN WELL (feet): 124 TUBING MATERIAL CODE: P.E.T. FIELD-FILTERED: Y (N) FILTER SIZE: µm
FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

Table with 10 columns: SAMPLER ID CODE, # CONTAINERS, MATERIAL CODE, VOLUME, PRESERVATIVE USED, TOTAL VOL ADDED IN FIELD (mL), FINAL pH, INTENDED ANALYSIS AND/OR METHOD, SAMPLING EQUIPMENT CODE, SAMPLE PUMP FLOW RATE (mL per minute). Includes data for samples 1, 2, 3.

REMARKS: Purged @ 1 cpm 30/30 70 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; 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

GROUNDWATER SAMPLING LOG SET A

Meters: HACH 04100034256 / YSI 03H100611

COCH#:

SITE NAME: Citrus County Landfill SITE LOCATION: Lecanto Fla.
 WELL NO: MW-11 SAMPLE ID: MW-11 DATE: 1-20-15

PURGING DATA

WELL DIAMETER (inches): 2" TUBING DIAMETER (inches): 1/4" WELL SCREEN INTERVAL DEPTH: 92 feet to 112 feet STATIC DEPTH TO WATER (feet): 98.87 PURGE PUMP TYPE OR BAILER: D.B.P.
 Measuring Point Elevation (ft/msl) MP Elevation = _____ Water Level = _____ Water Level Elevation

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable) (13.13) = (112.00 - 98.87) feet X .16 gallons/foot = 2.10 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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 109' FINAL PUMP OR TUBING DEPTH IN WELL (feet): 109' PURGING INITIATED AT: 1140 PURGING ENDED AT: 1210 TOTAL VOLUME PURGED (gallons): 3.30

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L)	TURBIDITY (NTUs)	GRP	COLOR describe	ODOR
1208	2.20	2.20	.11	98.91	6.81	20.6	478	.94	4.61	145.2	clear	no
1205	.55	2.75	.11	98.91	6.84	20.6	479	.91	4.36	139.7	clear	no
1210	.55	3.30	.11	98.91	6.84	20.6	479	.87	3.95	139.1	clear	no

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0028; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016 S.F. 1-20-15
 PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Sam Esser SAMPLER(S) SIGNATURE(S): Sam Esser SAMPLING INITIATED AT: 1212 SAMPLING ENDED AT: 1227
 PUMP OR TUBING DEPTH IN WELL (feet): 109' TUBING MATERIAL CODE: T FIELD-FILTERED: Y (N) FILTER SIZE: _____ 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	MATERI AL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-11	3	CG	40ML	HCL	0	<2.0	804	D.B.P.	440 ^{S.F.} <100	
	3	CG	40ML	none		6.84	8260 B		<100	
	1	PE	250ML	HNO3		<2.0	0020, 7420A		440	
	2		125	H2SO4		<2.0	353.2			
	1		125	none		6.84	300.0280			
	1		250	H2SO4		<2.0	350.15E 30.1			
	1		500	none			2540C			

REMARKS: CPM 2 50 PSI 15/15
 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)

GROUNDWATER SAMPLING LOG SET A

COC#: _____

Meters: HACH 04100034256 / YSI 08H100611

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>Lecanto Fla.</u>
WELL NO: <u>MW-12</u>	SAMPLE ID: <u>MW-12</u>
DATE: <u>1-20-15</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/4"</u>	WELL SCREEN INTERVAL DEPTH: <u>90</u> feet to <u>110</u> feet	STATIC DEPTH TO WATER (feet): <u>97.52</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl) = _____ MP Elevation = _____ Water Level = _____ = Water Level Elevation				

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) $(12.48) = (110.00 \text{ feet} - 97.52 \text{ feet}) \times 1.6 \text{ gallons/foot} = 1.99 \text{ gallons}$

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>107'</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>107'</u>	PURGING INITIATED AT: <u>1250</u>	PURGING ENDED AT: <u>1330</u>	TOTAL VOLUME PURGED (gallons): <u>41.00</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) (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L)	TURBIDITY (NTUs)	ORP	COLOR describe	ODOR
1310	2.00	2.00	.10	97.59	6.75	23.4	563	.58	14.6	-161	Clear	no
1315	.50	2.50	.10	97.59	6.75	23.5	564	.56	9.56	-161	Clear	no
1320	.50	3.00	.10	97.59	6.75	23.5	564	.55	4.57	-159	Clear	no
1325	.50	3.50	.10	97.57	6.75	23.5	565	.53	3.82	-158	Clear	no
1330	.50	4.00	.10	97.59	6.75	23.5	565	.53	3.26	-158	Clear	no

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Sam Esser</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1335</u>	SAMPLING ENDED AT: <u>1549</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>107'</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)	

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			
MW-12	3	CG	40mL	none	0	6.75	8260B	BP	2120
	3	CG	40mL	HCL		<2.0	80H		2120
	1	P	500mL	none		6.75	2540C		4000
	1	P	250mL	H2SO4		<2.0	350.1		
	1	P	250mL	NITRIC		<2.0	6620, 7470A		
	1	P	125mL	H2SO4		<2.0	353.2		
REMARKS	Y			P	353.2025	none	6.75	353.2	2 cpm 14/16 50RSL

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)

GROUNDWATER SAMPLING LOG SET A

COC#: _____

Meters: -HACH 04100034256 / YSI 08H100611

SITE NAME: <u>Citrus County Landfill</u>		SITE LOCATION: <u>Lecanto Fla.</u>	
WELL NO: <u>MW-13</u>	SAMPLE ID: <u>MW-13</u>	DATE: <u>1.20.15</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: feet to _____ feet	STATIC DEPTH TO WATER (feet): <u>105.92</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl) MP Elevation = _____		- Water Level = Water Level Elevation		

WELL VOLUME PURGE: (only fill out if applicable) $WELL\ VOLUME = (TOTAL\ WELL\ DEPTH - STATIC\ DEPTH\ TO\ WATER) \times WELL\ CAPACITY$
 $(13.58) = (119.50\ feet - 105.92\ feet) \times 1.16\ gallons/foot = 2.17\ gallons$

EQUIPMENT VOLUME PURGE: (only fill out if applicable) $1\ EQUIPMENT\ VOL. = PUMP\ VOLUME + (TUBING\ CAPACITY \times TUBING\ LENGTH) + FLOW\ CELL\ VOLUME$
 = _____ gallons + (_____ gallons/foot \times _____ 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>1422</u>	PURGING ENDED AT: <u>1454</u>	TOTAL VOLUME PURGED (gallons): <u>3.20</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) (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L)	TURBIDITY (NTUs)	ORP	COLOR describe	ODOR
<u>1444</u>	<u>2.20</u>	<u>2.20</u>	<u>.10</u>	<u>106.40</u>	<u>5.37</u>	<u>23.2</u>	<u>81</u>	<u>.85</u>	<u>9.68</u>	<u>-39</u>	<u>Clear</u>	<u>no</u>
<u>1449</u>	<u>.50</u>	<u>2.70</u>	<u>.10</u>	<u>106.40</u>	<u>5.35</u>	<u>23.2</u>	<u>81</u>	<u>.79</u>	<u>4.79</u>	<u>-41</u>	<u>Clear</u>	<u>no</u>
<u>1454</u>	<u>.50</u>	<u>3.20</u>	<u>.10</u>	<u>106.40</u>	<u>5.30</u>	<u>23.2</u>	<u>81</u>	<u>.68</u>	<u>4.34</u>	<u>-43</u>	<u>Clear</u>	<u>no</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>Sam Esser</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1456</u>	SAMPLING ENDED AT: <u>1508</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"/>	FILTRATION EQUIPMENT TYPE: _____
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 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)
SAMPLER ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>MW13</u>	<u>3</u>	<u>CG</u>	<u>40ML</u>	<u>HCl</u>	<u>0</u>	<u>12</u>	<u>804</u>	<u>BP</u>	<u><120</u>
	<u>2</u>	<u>CG</u>	<u>40ML</u>	<u>none</u>		<u>5.30</u>	<u>820.5</u>		<u>420</u>
	<u>1</u>	<u>PE</u>	<u>250ML</u>	<u>HNO3</u>		<u>4.2</u>	<u>6020, 2470A</u>		<u>400</u>
	<u>2</u>		<u>125ML</u>	<u>H2SO4</u>		<u>4.2</u>	<u>353.2</u>		
	<u>1</u>		<u>125ML</u>	<u>none</u>		<u>5.30</u>	<u>300.0 28D</u>		
	<u>1</u>		<u>250ML</u>	<u>H2SO4</u>		<u><2</u>	<u>350.1</u>		

REMARKS: 500ml none
5.30 2540e
2CPM - 60PSI 14/10

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: $\pm 5\%$; 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)

GROUNDWATER SAMPLING LOG SET A

COC#:

Meters: HACH 04100034256 / YSI 08H100611

SITE NAME: Citrus County Landfill SITE LOCATION: Lecanto Fla.
 WELL NO: MW-14 SAMPLE ID: MW-14 DATE: 1.20.15

PURGING DATA

WELL DIAMETER (inches): 2" TUBING DIAMETER (inches): 1/4" WELL SCREEN INTERVAL DEPTH: 96 feet to 116 feet STATIC DEPTH TO WATER (feet): 102.66 PURGE PUMP TYPE OR BAILER: BP
 Measuring Point Elevation (ft/msl) MP Elevation = _____ - Water Level = _____ Water Level Elevation

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable) $(116.00 - 102.66) \times 2.13 = 28.34$ gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 115 FINAL PUMP OR TUBING DEPTH IN WELL (feet): 115 PURGING INITIATED AT: 1531 PURGING ENDED AT: 1603 TOTAL VOLUME PURGED (gallons): 3.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L)	TURBIDITY (NTUs)	ORP	COLOR describe	ODOR
1553	2.20	2.20	.10	102.69	6.78	23.0	497	.41	1.91	-10.6	Clear	no
1558	1.50	3.70	.10	102.69	6.78	23.0	498	.41	1.97	-13.1	Clear	no
1603	1.50	3.20	.10	102.69	6.78	23.0	497	.39	1.79	-14.6	Clear	no

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Sam Esser SAMPLER(S) SIGNATURE(S): Sam Esser SAMPLING INITIATED AT: 1606 SAMPLING ENDED AT: 1615
 PUMP OR TUBING DEPTH IN WELL (feet): 115 TUBING MATERIAL CODE: PE FIELD-FILTERED: Y N FILTERATION EQUIPMENT TYPE: _____ FILTER SIZE: _____ µm
 FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced) DPLICATE: Y N

SAMPL. E.ID. CODE	# CONTAINERS	MATERIAL 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			
MW-14	3	CG	40ML	HCl	0	6.78	8011	BP	2120
	3	CG	40ML	none		6.78	8260B		2120
	1	PE	250ML	H2SO4		6.78	6020, 7470A		600
	2		125ML	H2SO4		6.78	353.2		
	1		125ML	none		6.78	300.0 28D		
	1		250ML	H2SO4		6.78	350.1		
	1		300ML	none		6.78	2540C		

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)

65007-1

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

Meter #'s: M-1 / T-3

PAGE: 1 of 1

SITE NAME: Citrus County Landfill SITE LOCATION: Lecanto, FL
 WELL NO: Mw-20 SAMPLE ID: _____ DATE: 1-21-15

PURGING DATA

WELL DIAMETER (inches): 2 TUBING DIAMETER (inches): 1.75 WELL SCREEN INTERVAL DEPTH: 108 feet to 125 feet STATIC DEPTH TO WATER (feet): 112.73 PURGE PUMP TYPE OR BAILER: BP
 WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable) 12.97 = (125.70 feet - 112.73 feet) X .16 gallons/foot = 2.08 gallons
 EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable) _____ = _____ gallons + (_____ gallons/foot X _____ feet) + _____ gallons = _____ gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 122 FINAL PUMP OR TUBING DEPTH IN WELL (feet): 122 PURGING INITIATED AT: 756 PURGING ENDED AT: 842 TOTAL VOLUME PURGED (gallons): 3.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μ mhos/cm or μ S/cm	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
828	2.08	2.08	.07	112.98	5.90	24.2	413	.98	3.90	clear	NO	-2.1
835	.49	2.57	.07	113.10	5.91	24.2	415	1.01	4.22	↓	↑	-3.1
842	.49	3.06	.07	113.10	5.91	24.3	419	1.10	2.83	↓	↑	-3.2

WELL CAPACITY (Gallons Per Foot): 0.76" = 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 Vickroy / Test America SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 842 SAMPLING ENDED AT: 852
 PUMP OR TUBING DEPTH IN WELL (feet): 122 TUBING MATERIAL CODE: PE T FIELD-FILTERED: Y FILTER SIZE: _____ μ m
 FIELD DECONTAMINATION: PUMP Y TUBING Y (replaced) DUPLICATE: 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			
Mw-20	1	PE	500	UNP	0	5.9	TDS	BP	280
↓	1	↓	450	H2O2	↓	6.20	6020 74704	↓	↓
↓	2	↓	250/125	H2SO4	↓	6.20	350:1/753.2	↓	↓
↓	3	CG	70	UNP	↓	5.9	353.2, 1.01	↓	↓
↓	3	CG	70	UNP	↓	—	8.260 B	↓	↓
↓	3	CG	70	HCl	↓	—	8.011	↓	↓

REMARKS: purged @ 2 gpm 15/15 65 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

GROUNDWATER SAMPLING LOG SET A

COC#: _____

Meters: HACH 04100034256 / YSI 08H100611

SITE NAME: <u>Cotrus County Landfill</u>		SITE LOCATION: <u>Lecanto Fla.</u>	
WELL NO: <u>MW-7</u>	SAMPLE ID: <u>MW-7</u>	DATE: <u>1.21.15</u>	

PURGING DATA

WELL DIAMETER (Inches): <u>2"</u>	TUBING DIAMETER (Inches): <u>1/4"</u>	WELL SCREEN INTERVAL DEPTH: <u>117</u> feet to <u>390.6</u> feet	STATIC DEPTH TO WATER (feet): <u>121.22</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl) MP Elevation = _____		Water Level = _____ Water Level Elevation = _____		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable) $(17.84) = (139.86 \text{ feet} - 121.22 \text{ feet}) \times .16 \text{ gallons/foot} = 2.85 \text{ gallons}$

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>138</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>138</u>	PURGING INITIATED AT: <u>0954</u>	PURGING ENDED AT: <u>1046</u>	TOTAL VOLUME PURGED (gallons): <u>4.16</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) (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/l)	TURBIDITY (NTUs)	ORP	COLOR describe	ODOR
1030	2.88	2.88	.08	130.06	5.05	24.2	112	.39	1.96	-80	Clear	no
1038	.64	3.52	.08	131.69	5.03	24.2	110	.39	1.75	-78	Clear	no
1046	.64	4.16	.08	133.01	5.00	24.2	109	.38	1.56	-57	Clear	no

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Sam Esser</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1048</u>	SAMPLING ENDED AT: <u>1101</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>138'</u>	TUBING MATERIAL CODE: <u>PE</u>	FIELD-FILTERED: <u>Y</u> (circle N)	FILTRATION EQUIPMENT TYPE: _____
FIELD DECONTAMINATION: PUMP <u>Y</u> (circle N)	TUBING <u>Y</u> (circle N) (replaced)	DUPLICATE: <u>Y</u> (circle 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-7</u>	<u>1</u>	<u>PE</u>	<u>500</u>	<u>none</u>	<u>0</u>	<u>5.00</u>	<u>TDS</u>	<u>BP</u>	<u>320</u>
	<u>1</u>		<u>250</u>	<u>HNO3</u>		<u>< 2</u>	<u>6520/7420R</u>		
	<u>2</u>		<u>125</u>	<u>H2SO4</u>		<u>< 2</u>	<u>350, 1353.2</u>		
	<u>2</u>		<u>125</u>	<u>none</u>		<u>5.00</u>	<u>3532/CC</u>		
	<u>3</u>	<u>CG</u>	<u>40</u>	<u>HCL</u>		<u>< 2</u>	<u>8011</u>		<u>< 100</u>
	<u>3</u>	<u>CG</u>	<u>40</u>	<u>none</u>		<u>5.00</u>	<u>8260B</u>		<u>< 100</u>

REMARKS: Purged @ 2CPM 15/15 70 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; 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)

GROUNDWATER SAMPLING LOG SET A

Meters: HACH 04100034256 / YSI 08H100611

COC#:

SITE NAME: Cotrus County Landfill SITE LOCATION: Lecanto Fla.
WELL NO: MW-3 SAMPLE ID: MW-3 DATE: 1.21.15

PURGING DATA

WELL DIAMETER (inches): 2" TUBING DIAMETER (inches): 1/4" WELL SCREEN INTERVAL DEPTH 104 feet to 119 feet STATIC DEPTH TO WATER (feet): 112.54 PURGE PUMP TYPE OR BAILER: BP
Measuring Point Elevation (ft/msl) MP Elevation = - Water Level = Water Level Elevation

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) (6.46) = (119.00 - 112.54) feet X .16 gallons/foot = 1.03 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 117 FINAL PUMP OR TUBING DEPTH IN WELL (feet): 117 PURGING INITIATED AT: 1120 PURGING ENDED AT: 1148 TOTAL VOLUME PURGED (gallons): 1.68

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L)	TURBIDITY (NTUs)	ORP	COLOR describe	ODOR
1138	1.08	1.08	.06	114.52	4.78	22.0	55	4.19	.54	184	Clear	No
1143	.30	1.38	.06	114.60	4.71	22.0	56	4.17	.61	185	Clear	No
1148	.30	1.68	.06	114.60	4.70	22.0	56	4.15	.51	186	Clear	No

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Scam Esser SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1150 SAMPLING ENDED AT: 1210
PUMP OR TUBING DEPTH IN WELL (feet): 117 TUBING MATERIAL CODE: PE FIELD-FILTERED: Y (N) FILTER SIZE: µm
FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLER ID CODE	# CONTAINERS	MATERIAL 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			
MW-3	1	PE	300	none	8	4.70	TDS	BP	340
	1		250	HNO3		4.2	NO2/TURB		
	2		125	H2SO4		4.2	NO2, 1/353.2		
	2		125	none		4.70	353.2/EL		
	3	CG	40	HCl		4.2	804		100
	3	CG	40	none		4.70	82605		100

REMARKS: Purged @ 2000 ¹⁵/₁₅ 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; 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)

65009-1

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

Meter #'s: M-1 / T-3

PAGE: 1 of 1

SITE NAME: Citrus County Landfill SITE LOCATION: Lecanto, FL WELL NO: Mw-6 SAMPLE ID: DATE: 1-21-15

PURGING DATA

WELL DIAMETER (inches): 2 TUBING DIAMETER (inches): 1/4 WELL SCREEN INTERVAL DEPTH: 112 feet to 122 feet STATIC DEPTH TO WATER (feet): 110.89 PURGE PUMP TYPE OR BAILER: BP

Table with 12 columns: TIME, VOLUME PURGED (gallons), CUMUL. VOLUME PURGED (gallons), PURGE RATE (gpm), DEPTH TO WATER (feet), pH (standard units), TEMP. (°C), COND. (microhos/cm or % saturation), DISSOLVED OXYGEN (circle units mg/L or % saturation), TURBIDITY (NTUs), COLOR describe, ODOR, ORP. Includes data rows for 1008, 1013, 1018, 1023.

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Test America SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1023 SAMPLING ENDED AT: 1025

Table with 10 columns: SAMPL E ID CODE, # CONTAINERS, MATERIAL CODE, VOLUME, PRESERVATIVE USED, TOTAL VOL ADDED IN FIELD (mL), FINAL pH, INTENDED ANALYSIS AND/OR METHOD, SAMPLING EQUIPMENT CODE, SAMPLE PUMP FLOW RATE (mL per minute). Includes data for Mw-6.

REMARKS: Purged @ 2 GPM 15/15 G.P.S. MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; 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: M4/T-3

PAGE: 1 of 1

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>Leecanto, FL</u>
WELL NO: <u>MW-18</u>	SAMPLE ID: _____ DATE: <u>1-21-15</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>108.19</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>11.51</u> = (<u>119.70</u> feet - <u>108.19</u> feet) X <u>.16</u> gallons/foot = <u>1.85</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>1050</u>	PURGING ENDED AT: <u>1130</u>	TOTAL VOLUME PURGED (gallons): <u>3.0</u>
---------------------------------------------------------	-------------------------------------------------------	-----------------------------------	-------------------------------	-------------------------------------------

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
1114	1.85	1.85	.06	114.70	4.85	23.1	54	2.37	8.79	clear	ND	148
1122	.48	2.33	.06	water level	4.84	23.1	50	2.20	14.0	↓	↓	144
1130	.48	2.81	.05	below top of pump	4.74	23.1	49	2.27	19.4	↓	↓	141

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>Shawn Vickroy / Test America</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1130</u>	SAMPLING ENDED AT: <u>1133</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>115</u>	TUBING MATERIAL CODE: <u>TT</u>	FIELD-FILTERED: Y <input checked="" type="checkbox"/>	FILTER SIZE: _____ µm
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	# CONTAIN ERS	MATERI AL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>MW18</u>	<u>3</u>	<u>CA</u>	<u>40</u>	<u>OWP</u>	<u>0</u>	<u>—</u>	<u>8260B</u>	<u>BP</u>	<u><150</u>

REMARKS: purged @ 100pm 40/20 59 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-3

PAGE: 1 of 1

SITE NAME: Citrus County Landfill SITE LOCATION: Lecanto, FL WELL NO: MW-19 SAMPLE ID: DATE: 1-21-15

PURGING DATA

WELL DIAMETER (inches): 2 TUBING DIAMETER (inches): 1/4 WELL SCREEN INTERVAL DEPTH: 30 feet to 140 feet STATIC DEPTH TO WATER (feet): 106.24 PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) 33.76 = 140.0 feet - 106.24 feet x .16 gallons/foot = 5.40 gallons

Table with 13 columns: 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

Table with 13 columns: 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

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; 6/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shaun Victory / Test America SAMPLER(S) SIGNATURE(S): Shaun Victory SAMPLING INITIATED AT: 1316 SAMPLING ENDED AT: 1317

PUMP OR TUBING DEPTH IN WELL (feet): 117 TUBING MATERIAL CODE: T FIELD-FILTERED: Y (N) FILTER SIZE: µm FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (Replaced) DUPLICATE: Y (N)

Table with 9 columns: SAMPLE CONTAINER SPECIFICATION (SAMPLER ID CODE, # CONTAINERS, MATERIAL CODE, VOLUME), SAMPLE PRESERVATION (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)

REMARKS: Dropped @ 1.0 cpm 30/30 6.5 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

Field Calibration Logbook

Name: Citas County Landfill Date: 1-20-15 Instrument #: M-1/T-3 Make/Model: VIS 556/1tech 2000

pH:

	pH Buffer	Lot #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)	Temp. (°C)
Initial	7.00	135752	9/2015	7:05	9.20	YES	±CV	18.0
	4.00	134637	7/2015	7:00	9.21	+	+	18.0
	10.00							
Post	7.00	135752	9/2015	1701	6.98	NO	CCV	20.2
	4.00	134637	7/2015	1702	4.01	+	+	20.2
	10.00							

CONDUCTIVITY STANDARD:

	Conductivity (uS/cm)	Lot #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	100						
	1000	2409539	2/2016	9:23	1000	YES	±CV
	10000						
Post	100						
	1000	2409539	2/2016	1705	1010	NO	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	13.46	10.39	9:34	13.46/10.36	YES	±CV
Post	20.1	9.07	1712	20.1/9.40	NO	CCV

ORP: (Reference Table 6.2 Zobell Solution Values)*

	ORP (milliVolts)*	Lot #	Exp. Date	Time	Temp. (°C)	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	257.0	2408339	5/2015	9:32	5.7	252.4	NO	CCV
Post		2408339	5/2015	1708	5.2	257.1	NO	CCV

TURBIDITY:

	Turbidity (NTU)	Lot #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	5.91	A2311	2/16	9:30	6.11	NO	CCV
	49.6	+	+	+	5.25	+	+
	521	+	+	+	5.27	+	+
Post	5.91	A2311	2/16	1710	6.15	NO	CCV
	49.6	+	+	+	5.24	+	+
	521	+	+	+	5.29	+	+

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]
Signature: _____

Date: 1-20-15
Date: _____

Field Calibration Logbook

Name: Citrus County Landfill Date: 1-21-15 Instrument #: M-1 / T-3 Make/Model: YSF556 / Hach 200P

pH:

	pH Buffer	Lot #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)	Temp. (°C)
Initial	7.00	135752	9/2015	705	6.98	NO	CCV	14.7
	4.00	134637	7/2015	706	4.01			
	10.00							
Post	7.00	135752	9/2015	500	6.97	NO	CCV	18.7
	4.00	134637	7/2015	502	4.02	↓	↓	18.7
	10.00							

CONDUCTIVITY STANDARD:

	Conductivity (uS/cm)	Lot #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	100						
	1000	2409539	8-2016	709	1000	YES	ICV
	10000						
Post	100						
	1000	2409539	8-2016	1505	1002	NO	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	11.0	11.02	715	11.0 / 11.04	YES	ICV
Post	19.1	9.25	1510	19.1 / 19.70	NO	CCV

ORP: (Reference Table 6.2 Zobell Solution Values)*

	ORP (millivolts)*	Lot #	Exp. Date	Time	Temp. (°C)	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	257.5	2408839	5/2015	711	5.7	257.5	YES	ICV
Post	257.5	2408839	5/2015	1507	5.5	256.8	NO	CCV

TURBIDITY:

	Turbidity (NTU)	Lot #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	5.91	A1311	2016	713	6.12	NO	CCV
	49.6	↓	↓	↓	53.1	↓	↓
	521	↓	↓	↓	525	↓	↓
Post	5.91	A1311	2016	1513	6.20	NO	CCV
	49.6	↓	↓	↓	54.1	↓	↓
	521	↓	↓	↓	526	↓	↓

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]
Signature: _____

Date: 1-21-15
Date: _____

Field Calibration Logbook

Name: Citrus County Date: 2-17-15 Instrument #: M2/T-3 Make/Model: NIST 556 Hech-2100

pH:

	pH Buffer	Lot #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)	Temp. (°C)
Initial	7.00	135752	9/2015	9:38	6.95	NO	CCV	23.1
	4.00	134637	7/2015	9:36	4.02	NO	CCV	23.1
	10.00							
Post	7.00	135752	9/2015	14:10	6.95	NO	CCV	22.3
	4.00	134637	7/2015	14:12	4.03	NO	CCV	22.3
	10.00							

CONDUCTIVITY STANDARD:

	Conductivity (uS/cm)	Lot #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	100						
	1000	240359	2-2016	9:49	1003	NO	CCV
	10000						
Post	100						
	1000	240359	2-2016	14:14	1005	NO	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	19.1	9.25	9:58	19.1/9.24	YES	ICV
Post	20.1	9.07	14:16	20.1/9.30	NO	CCV

ORP: (Reference Table 6.2 Zobell Solution Values)*

	ORP (milliVolts)*	Lot #	Exp. Date	Time	Temp. (°C)	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	255	2408839	5/2015	9:59	7.0	252.2	NO	CCV
Post	255	2408839	5/2015	14:20	6.5	252.4	NO	CCV

TURBIDITY:

	Turbidity (NTU)	Lot #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	6.41	A2311	2/2016	9:56	6.80	NO	CCV
	49.9	↓	↓	↓	50.1	↓	↓
	57.9	↓	↓	↓	52.3	↓	↓
Post	6.41	A2311	2/2016	14:18	6.77	NO	CCV
	49.9	↓	↓	↓	50.3	↓	↓
	57.9	↓	↓	↓	52.4	↓	↓

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]
Signature: _____

Date: 2-17-15
Date: _____

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

Meter #'s: M-1 / T-3

PAGE: 1 of 1

SITE NAME: Citrus County Landfill SITE LOCATION: Leeland, FL
 WELL NO: MW-19 SAMPLE ID: _____ DATE: 2-17-15

PURGING DATA

WELL DIAMETER (inches): 2 TUBING DIAMETER (inches): 1/4 WELL SCREEN INTERVAL DEPTH: 10 feet to 190 feet STATIC DEPTH TO WATER (feet): 106.13 PURGE PUMP TYPE OR BAILER: BP
 WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable) 33.87 = (190.0 feet - 106.13 feet) X .16 gallons/foot = 5.42 gallons
 EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable) _____ = _____ gallons + (_____ gallons/foot X _____ feet) + _____ gallons = _____ gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 117 FINAL PUMP OR TUBING DEPTH IN WELL (feet): 117 PURGING INITIATED AT: 941 PURGING ENDED AT: 1147 TOTAL VOLUME PURGED (gallons): 21.0

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</u>	DISSOLVED OXYGEN (circle units) <u>mg/L or % saturation</u>	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
1020	5.42	5.42	.14	107.13	5.20	23.0	67	.98	2.99	Clear	ND	66.6
1052	5.42	10.84	.17	107.40	5.51	23.0	76	.70	2.73			66.1
1119	5.42	16.26	.20	108.02	5.46	23.0	75	.61	1.12			59.7
1126	1.40	16.66	.20	108.02	5.44	22.9	75	.61	1.08			59.0
1133	1.40	18.06	.20	108.02	5.45	22.8	74	.58	.88			59.4
1140	1.40	19.46	.20	108.02	5.44	22.9	72	.60	.96			58.7
1147	1.40	20.86	.20	108.02	5.42	22.9	73	.60	.78			60.5

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shawn Victory Test America SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1147 SAMPLING ENDED AT: 1149
 PUMP OR TUBING DEPTH IN WELL (feet): 117 TUBING MATERIAL CODE: PE FIELD-FILTERED: Y N FILTER SIZE: _____ µm
 Filtration Equipment Type: _____
 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	# CONTAIN ERS	MATERI AL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>MW-19</u>	<u>3</u>	<u>CG</u>	<u>40</u>	<u>HCl</u>	<u>Ø</u>	<u>-</u>	<u>82603</u>	<u>BP</u>	<u>125</u>

REMARKS: 1st well volume purged @ 70 psi 20/135 2nd well volume purged @ 70 psi 20/140
3rd well volume purged @ 75 psi 20/135
 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

1.35

Section 9

Laboratory and Field EDDs and Error Logs (ADaPT Report)

Portable document files (PDFs) of the laboratory reports are included in this section. The laboratory electronic data deliverable (EDD), the laboratory EDD error log, and the field EDD for use with FDEP's ADaPT software are provided separately.

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

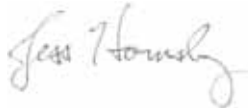
TestAmerica Job ID: 660-64974-1

Client Project/Site: Citrus County LF - January 2015

For:

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

Attn: Mr. Nathan Schmaus



Authorized for release by:
1/30/2015 4:21:09 PM

Jess Hornsby, Project Manager I
(813)885-7427

jess.hornsby@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?

 **Ask
The
Expert**

Visit us at:
www.testamericainc.com

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

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

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

- 1
- 2
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Sample Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-64974-1	Field Blank 012015	Ground Water	01/20/15 12:55	01/20/15 17:50
660-64974-2	MW-10	Ground Water	01/20/15 11:40	01/20/15 17:50
660-64974-3	MW-21	Ground Water	01/20/15 13:12	01/20/15 17:50
660-64974-4	MW-17	Ground Water	01/20/15 14:48	01/20/15 17:50
660-64974-5	MW-15	Ground Water	01/20/15 15:50	01/20/15 17:50
660-64974-6	MW-11	Ground Water	01/20/15 12:27	01/20/15 17:50
660-64974-7	MW-12	Ground Water	01/20/15 13:49	01/20/15 17:50
660-64974-8	MW-13	Ground Water	01/20/15 15:08	01/20/15 17:50
660-64974-9	MW-14	Ground Water	01/20/15 16:15	01/20/15 17:50
660-64974-10	Trip Blank 012015	Water	01/20/15 00:00	01/20/15 17:50
660-65007-1	MW-20	Ground Water	01/21/15 08:52	01/21/15 15:50
660-65007-2	MW-7	Ground Water	01/21/15 11:01	01/21/15 15:50
660-65007-3	MW-3	Ground Water	01/21/15 12:10	01/21/15 15:50
660-65007-4	Trip Blank 012115	Water	01/21/15 00:00	01/21/15 15:50
660-65009-1	MW-6	Ground Water	01/21/15 10:28	01/21/15 15:50
660-65010-1	MW-18	Ground Water	01/21/15 11:33	01/21/15 15:50
660-65010-2	MW-19	Ground Water	01/21/15 13:17	01/21/15 15:50
660-65010-3	Trip Blank - 65010	Water	01/21/15 00:00	01/21/15 15:50

Definitions/Glossary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Qualifiers

GC/MS VOA

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.

GC Semi VOA

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

HPLC/IC

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.

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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Job ID: 660-64974-1

Laboratory: TestAmerica Tampa

Narrative

Receipt

The samples were received on 1/20/2015 5:50 PM and 1/21/2015 3:50 PM; the samples arrived in good condition, properly preserved and on ice. The temperatures of the five coolers at receipt time were 1.3°C, 1.3°C, 1.3°C, 2.1°C and 3.1°C.

GC/MS VOA

Method 8260B: The continuing calibration verification (CCV) associated with batch 155122 recovered outside acceptance criteria, low biased, for iodomethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. The affected analyte was not detected in samples associated with this CCV; therefore the data have been reported.

Method 8260B: The laboratory control sample (LCS) recovery of iodomethane was below the control limits. A reporting limit (RL) standard was analyzed, and the target analyte was detected. The affected analyte was not detected in samples associated with this CCV; therefore the data have been reported. Batch 155122.

Method 524.2: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 368098.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

Method 8011: The following samples have a strong sulfur smell: MW-10 (660-64974-2), MW-12 (660-64974-7), MW-13 (660-64974-8), MW-17 (660-64974-4)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Field Service / Mobile Lab

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

Method 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 155010 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. (660-65007-1 MS), (660-65007-1 MSD)

Method 350.1: The following sample is a field blank with detection for ammonia: Field Blank 012015 (660-64974-1). The sample was re-analyzed with confirming results; therefore the original data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: Field Blank 012015

Lab Sample ID: 660-64974-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	1.9	I	5.0	1.1	ug/L	1		6020	Total
Sodium	0.53		0.50	0.25	mg/L	1		6020	Recoverable Total
Ammonia	0.11		0.050	0.026	mg/L	1		350.1	Recoverable Total/NA

Client Sample ID: MW-10

Lab Sample ID: 660-64974-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.1		1.0	0.52	ug/L	1		8260B	Total/NA
1,4-Dichlorobenzene	7.3		1.0	0.52	ug/L	1		8260B	Total/NA
Benzene	1.3		1.0	0.50	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	3.4		1.0	0.65	ug/L	1		8260B	Total/NA
Vinyl chloride	1.8		1.0	0.50	ug/L	1		8260B	Total/NA
Xylenes, Total	3.1		3.0	0.50	ug/L	1		8260B	Total/NA
Chloride	6.5		0.50	0.20	mg/L	1		300.0	Total/NA
Arsenic	2.2	I	2.5	1.3	ug/L	1		6020	Total
Barium	91		5.0	1.3	ug/L	1		6020	Recoverable Total
Cadmium	0.19	I	0.50	0.095	ug/L	1		6020	Recoverable Total
Chromium	6.5		5.0	2.5	ug/L	1		6020	Total
Cobalt	0.38	I	0.50	0.15	ug/L	1		6020	Recoverable Total
Iron	5100		100	33	ug/L	1		6020	Recoverable Total
Lead	3.3		1.5	0.20	ug/L	1		6020	Total
Nickel	3.3	I	5.0	2.0	ug/L	1		6020	Recoverable Total
Selenium	1.4	I	2.5	1.0	ug/L	1		6020	Recoverable Total
Sodium	5.0		0.50	0.25	mg/L	1		6020	Total
Arsenic	1.8	I	2.5	1.3	ug/L	1		6020	Recoverable Dissolved
Barium	2.9	I	5.0	1.3	ug/L	1		6020	Dissolved
Cobalt	0.42	I	0.50	0.15	ug/L	1		6020	Dissolved
Iron	4700		100	33	ug/L	1		6020	Dissolved
Sodium	4.7		0.50	0.25	mg/L	1		6020	Dissolved
Ammonia	0.16		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	36		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	4.48				SU	1		Field Sampling	Total/NA
Field Temperature	22.7				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.53				mg/L	1		Field Sampling	Total/NA
Sheen	No				SU	1		Field Sampling	Total/NA
Specific Conductance	55				umhos/cm	1		Field Sampling	Total/NA
Turbidity	23.5				NTU	1		Field Sampling	Total/NA
Water Level	106.15				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-21

Lab Sample ID: 660-64974-3

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-21 (Continued)

Lab Sample ID: 660-64974-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	10		1.0	0.52	ug/L	1		8260B	Total/NA
Benzene	1.5		1.0	0.50	ug/L	1		8260B	Total/NA
Chlorobenzene	1.5		1.0	0.63	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.2		1.0	0.65	ug/L	1		8260B	Total/NA
Vinyl chloride	0.55	I	1.0	0.50	ug/L	1		8260B	Total/NA
Chloride	4.5		0.50	0.20	mg/L	1		300.0	Total/NA
Arsenic	3.3		2.5	1.3	ug/L	1		6020	Total Recoverable
Barium	33		5.0	1.3	ug/L	1		6020	Total Recoverable
Cadmium	0.13	I	0.50	0.095	ug/L	1		6020	Total Recoverable
Chromium	4.2	I	5.0	2.5	ug/L	1		6020	Total Recoverable
Cobalt	0.66		0.50	0.15	ug/L	1		6020	Total Recoverable
Iron	1300		100	33	ug/L	1		6020	Total Recoverable
Lead	1.8		1.5	0.20	ug/L	1		6020	Total Recoverable
Nickel	4.2	I	5.0	2.0	ug/L	1		6020	Total Recoverable
Sodium	2.1		0.50	0.25	mg/L	1		6020	Total Recoverable
Arsenic	3.4		2.5	1.3	ug/L	1		6020	Dissolved
Cobalt	0.57		0.50	0.15	ug/L	1		6020	Dissolved
Iron	910		100	33	ug/L	1		6020	Dissolved
Nickel	2.0	I	5.0	2.0	ug/L	1		6020	Dissolved
Sodium	2.0		0.50	0.25	mg/L	1		6020	Dissolved
Ammonia	2.0		0.10	0.052	mg/L	2		350.1	Total/NA
Total Dissolved Solids	64		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Cloudy				Color Units	1		Field Sampling	Total/NA
Field pH	4.54				SU	1		Field Sampling	Total/NA
Field Temperature	23.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.97				mg/L	1		Field Sampling	Total/NA
Sheen	No				SU	1		Field Sampling	Total/NA
Specific Conductance	97				umhos/cm	1		Field Sampling	Total/NA
Turbidity	27.2				NTU	1		Field Sampling	Total/NA
Water Level	108.49				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-17

Lab Sample ID: 660-64974-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	1.1		1.0	0.52	ug/L	1		8260B	Total/NA
Chloride	4.3		0.50	0.20	mg/L	1		300.0	Total/NA
Arsenic	4.3		2.5	1.3	ug/L	1		6020	Total Recoverable
Barium	4.9	I	5.0	1.3	ug/L	1		6020	Total Recoverable
Cobalt	6.4		0.50	0.15	ug/L	1		6020	Total Recoverable
Iron	13000		100	33	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-17 (Continued)

Lab Sample ID: 660-64974-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	2.4	I	5.0	2.0	ug/L	1		6020	Total Recoverable
Sodium	2.3		0.50	0.25	mg/L	1		6020	Total Recoverable
Ammonia	0.73		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	64		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	5.30				SU	1		Field Sampling	Total/NA
Field Temperature	23.7				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.78				mg/L	1		Field Sampling	Total/NA
Sheen	No				SU	1		Field Sampling	Total/NA
Specific Conductance	116				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.23				NTU	1		Field Sampling	Total/NA
Water Level	104.85				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-15

Lab Sample ID: 660-64974-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.8		1.0	0.65	ug/L	1		8260B	Total/NA
Trichloroethene	0.53	I	1.0	0.50	ug/L	1		8260B	Total/NA
Chloride	2.8		0.50	0.20	mg/L	1		300.0	Total/NA
Arsenic	4.1		2.5	1.3	ug/L	1		6020	Total Recoverable
Barium	2.3	I	5.0	1.3	ug/L	1		6020	Total Recoverable
Cobalt	0.24	I	0.50	0.15	ug/L	1		6020	Total Recoverable
Iron	7500		100	33	ug/L	1		6020	Total Recoverable
Lead	0.28	I	1.5	0.20	ug/L	1		6020	Total Recoverable
Nickel	2.0	I	5.0	2.0	ug/L	1		6020	Total Recoverable
Sodium	1.8		0.50	0.25	mg/L	1		6020	Total Recoverable
Zinc	9.8	I	20	8.3	ug/L	1		6020	Total Recoverable
Ammonia	0.21		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	32		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	4.55				SU	1		Field Sampling	Total/NA
Field Temperature	22.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.80				mg/L	1		Field Sampling	Total/NA
Sheen	No				SU	1		Field Sampling	Total/NA
Specific Conductance	51				umhos/cm	1		Field Sampling	Total/NA
Turbidity	2.26				NTU	1		Field Sampling	Total/NA
Water Level	117.36				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-11

Lab Sample ID: 660-64974-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	7.3		0.50	0.20	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-11 (Continued)

Lab Sample ID: 660-64974-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	22		5.0	1.3	ug/L	1		6020	Total
Chromium	3.0	I	5.0	2.5	ug/L	1		6020	Total Recoverable
Iron	73	I	100	33	ug/L	1		6020	Total Recoverable
Nickel	3.0	I	5.0	2.0	ug/L	1		6020	Total Recoverable
Sodium	4.3		0.50	0.25	mg/L	1		6020	Total Recoverable
Thallium	1.2		1.0	0.50	ug/L	1		6020	Total Recoverable
Ammonia	0.14		0.050	0.026	mg/L	1		350.1	Total/NA
Nitrate as N	0.38	I	0.50	0.10	mg/L	1		353.2	Total/NA
Total Dissolved Solids	280		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	6.84				SU	1		Field Sampling	Total/NA
Field Temperature	20.6				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.87				mg/L	1		Field Sampling	Total/NA
Sheen	No				SU	1		Field Sampling	Total/NA
Specific Conductance	479				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.95				NTU	1		Field Sampling	Total/NA
Water Level	98.87				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-12

Lab Sample ID: 660-64974-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	0.96	I	1.0	0.52	ug/L	1		8260B	Total/NA
Chloride	5.9		0.50	0.20	mg/L	1		300.0	Total/NA
Arsenic	1.8	I	2.5	1.3	ug/L	1		6020	Total Recoverable
Barium	17		5.0	1.3	ug/L	1		6020	Total Recoverable
Cobalt	0.41	I	0.50	0.15	ug/L	1		6020	Total Recoverable
Iron	2900		100	33	ug/L	1		6020	Total Recoverable
Sodium	3.5		0.50	0.25	mg/L	1		6020	Total Recoverable
Ammonia	0.31		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	330		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	6.75				SU	1		Field Sampling	Total/NA
Field Temperature	23.5				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.53				mg/L	1		Field Sampling	Total/NA
Sheen	No				SU	1		Field Sampling	Total/NA
Specific Conductance	565				umhos/cm	1		Field Sampling	Total/NA
Turbidity	3.26				NTU	1		Field Sampling	Total/NA
Water Level	97.52				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-13

Lab Sample ID: 660-64974-8

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-13 (Continued)

Lab Sample ID: 660-64974-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	2.8		1.0	0.52	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.2		1.0	0.65	ug/L	1		8260B	Total/NA
Chloride	5.9		0.50	0.20	mg/L	1		300.0	Total/NA
Arsenic	4.2		2.5	1.3	ug/L	1		6020	Total
Barium	10		5.0	1.3	ug/L	1		6020	Total
Cobalt	6.5		0.50	0.15	ug/L	1		6020	Total
Copper	2.5	I	5.0	1.1	ug/L	1		6020	Total
Iron	3700		100	33	ug/L	1		6020	Total
Lead	0.54	I	1.5	0.20	ug/L	1		6020	Total
Nickel	4.9	I	5.0	2.0	ug/L	1		6020	Total
Sodium	3.1		0.50	0.25	mg/L	1		6020	Total
Zinc	46	J3	20	8.3	ug/L	1		6020	Total
Ammonia	0.15		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	54		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	5.30				SU	1		Field Sampling	Total/NA
Field Temperature	23.2				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.68				mg/L	1		Field Sampling	Total/NA
Sheen	No				SU	1		Field Sampling	Total/NA
Specific Conductance	81				umhos/cm	1		Field Sampling	Total/NA
Turbidity	4.34				NTU	1		Field Sampling	Total/NA
Water Level	105.92				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-14

Lab Sample ID: 660-64974-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	3.7		0.50	0.20	mg/L	1		300.0	Total/NA
Barium	11		5.0	1.3	ug/L	1		6020	Total
Cadmium	0.39	I	0.50	0.095	ug/L	1		6020	Total
Cobalt	0.50		0.50	0.15	ug/L	1		6020	Total
Iron	45	I	100	33	ug/L	1		6020	Total
Sodium	3.0		0.50	0.25	mg/L	1		6020	Total
Ammonia	0.16		0.050	0.026	mg/L	1		350.1	Total/NA
Total Dissolved Solids	290		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	6.78				SU	1		Field Sampling	Total/NA
Field Temperature	23.0				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.39				mg/L	1		Field Sampling	Total/NA
Sheen	No				SU	1		Field Sampling	Total/NA
Specific Conductance	497				umhos/cm	1		Field Sampling	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-14 (Continued)

Lab Sample ID: 660-64974-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Turbidity	0.79				NTU		1	Field Sampling	Total/NA
Water Level	102.66				ft		1	Field Sampling	Total/NA

Client Sample ID: Trip Blank 012015

Lab Sample ID: 660-64974-10

No Detections.

Client Sample ID: MW-20

Lab Sample ID: 660-65007-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	31		2.5	1.0	mg/L	5		300.0	Total/NA
Arsenic	7.0		2.5	1.3	ug/L	1		6020	Total Recoverable
Barium	16		5.0	1.3	ug/L	1		6020	Total Recoverable
Cobalt	2.1		0.50	0.15	ug/L	1		6020	Total Recoverable
Iron	63000		100	33	ug/L	1		6020	Total Recoverable
Sodium	8.7		0.50	0.25	mg/L	1		6020	Total Recoverable
Ammonia	0.95		0.10	0.052	mg/L	2		350.1	Total/NA
Total Dissolved Solids	210		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	5.91				SU	1		Field Sampling	Total/NA
Field Temperature	24.3				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.10				mg/L	1		Field Sampling	Total/NA
Sheen	No				SU	1		Field Sampling	Total/NA
Specific Conductance	419				umhos/cm	1		Field Sampling	Total/NA
Turbidity	2.83				NTU	1		Field Sampling	Total/NA
Water Level	112.73				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-7

Lab Sample ID: 660-65007-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	2.2		1.0	0.52	ug/L	1		8260B	Total/NA
Benzene	2.0		1.0	0.50	ug/L	1		8260B	Total/NA
Chlorobenzene	1.3		1.0	0.63	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.77	I	1.0	0.65	ug/L	1		8260B	Total/NA
Ethylbenzene	2.6		1.0	0.44	ug/L	1		8260B	Total/NA
Vinyl chloride	0.68	I	1.0	0.50	ug/L	1		8260B	Total/NA
Xylenes, Total	1.3	I	3.0	0.50	ug/L	1		8260B	Total/NA
Chloride	5.6		0.50	0.20	mg/L	1		300.0	Total/NA
Arsenic	6.4		2.5	1.3	ug/L	1		6020	Total Recoverable
Barium	16		5.0	1.3	ug/L	1		6020	Total Recoverable
Cobalt	1.0		0.50	0.15	ug/L	1		6020	Total Recoverable
Iron	1900		100	33	ug/L	1		6020	Total Recoverable
Lead	0.65	I	1.5	0.20	ug/L	1		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-7 (Continued)

Lab Sample ID: 660-65007-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	8.0		5.0	2.0	ug/L		1	6020	Total Recoverable
Sodium	9.3		0.50	0.25	mg/L		1	6020	Total Recoverable
Zinc	37		20	8.3	ug/L		1	6020	Total Recoverable
Ammonia	0.13		0.050	0.026	mg/L		1	350.1	Total/NA
Total Dissolved Solids	58		5.0	5.0	mg/L		1	SM 2540C	Total/NA
Color	Clear				Color Units		1	Field Sampling	Total/NA
Field pH	5.00				SU		1	Field Sampling	Total/NA
Field Temperature	24.2				Degrees C		1	Field Sampling	Total/NA
Oxygen, Dissolved	0.38				mg/L		1	Field Sampling	Total/NA
Sheen	No				SU		1	Field Sampling	Total/NA
Specific Conductance	109				umhos/cm		1	Field Sampling	Total/NA
Turbidity	1.56				NTU		1	Field Sampling	Total/NA
Water Level	121.22				ft		1	Field Sampling	Total/NA

Client Sample ID: MW-3

Lab Sample ID: 660-65007-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	10		0.50	0.20	mg/L		1	300.0	Total/NA
Barium	15		5.0	1.3	ug/L		1	6020	Total Recoverable
Cadmium	0.29	I	0.50	0.095	ug/L		1	6020	Total Recoverable
Cobalt	0.40	I	0.50	0.15	ug/L		1	6020	Total Recoverable
Copper	27		5.0	1.1	ug/L		1	6020	Total Recoverable
Lead	3.8		1.5	0.20	ug/L		1	6020	Total Recoverable
Nickel	6.0		5.0	2.0	ug/L		1	6020	Total Recoverable
Sodium	6.5		0.50	0.25	mg/L		1	6020	Total Recoverable
Zinc	66		20	8.3	ug/L		1	6020	Total Recoverable
Ammonia	0.11		0.050	0.026	mg/L		1	350.1	Total/NA
Nitrate as N	5.8		2.5	0.50	mg/L		5	353.2	Total/NA
Total Dissolved Solids	66		5.0	5.0	mg/L		1	SM 2540C	Total/NA
Color	Clear				Color Units		1	Field Sampling	Total/NA
Field pH	4.70				SU		1	Field Sampling	Total/NA
Field Temperature	22.0				Degrees C		1	Field Sampling	Total/NA
Oxygen, Dissolved	4.15				mg/L		1	Field Sampling	Total/NA
Sheen	No				SU		1	Field Sampling	Total/NA
Specific Conductance	56				umhos/cm		1	Field Sampling	Total/NA
Turbidity	0.51				NTU		1	Field Sampling	Total/NA
Water Level	112.54				ft		1	Field Sampling	Total/NA

Client Sample ID: Trip Blank 012115

Lab Sample ID: 660-65007-4

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Detection Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-6

Lab Sample ID: 660-65009-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromodichloromethane	1.3		0.50	0.079	ug/L	1		524.2	Total/NA
Chloroform	2.0		0.50	0.20	ug/L	1		524.2	Total/NA
Dibromochloromethane	1.1		0.50	0.13	ug/L	1		524.2	Total/NA
Trihalomethanes, Total	4.4		0.50	0.079	ug/L	1		524.2	Total/NA
Chloride	240		5.0	2.0	mg/L	10		300.0	Total/NA
Iron	2200		100	33	ug/L	1		6020	Total Recoverable
Sodium	130		0.50	0.25	mg/L	1		6020	Total Recoverable
Total Dissolved Solids	460		5.0	5.0	mg/L	1		SM 2540C	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	4.38				SU	1		Field Sampling	Total/NA
Field Temperature	23.6				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.37				mg/L	1		Field Sampling	Total/NA
Sheen	No				SU	1		Field Sampling	Total/NA
Specific Conductance	851				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.43				NTU	1		Field Sampling	Total/NA
Water Level	110.89				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-18

Lab Sample ID: 660-65010-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	4.79				SU	1		Field Sampling	Total/NA
Field Temperature	23.1				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	2.27				mg/L	1		Field Sampling	Total/NA
Sheen	No				SU	1		Field Sampling	Total/NA
Specific Conductance	49				umhos/cm	1		Field Sampling	Total/NA
Turbidity	19.4				NTU	1		Field Sampling	Total/NA
Water Level	108.19				ft	1		Field Sampling	Total/NA

Client Sample ID: MW-19

Lab Sample ID: 660-65010-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.0		1.0	0.50	ug/L	1		8260B	Total/NA
Methylene Chloride	7.3		5.0	4.0	ug/L	1		8260B	Total/NA
Vinyl chloride	1.2		1.0	0.50	ug/L	1		8260B	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	5.54				SU	1		Field Sampling	Total/NA
Field Temperature	23.3				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.82				mg/L	1		Field Sampling	Total/NA
Sheen	No				SU	1		Field Sampling	Total/NA
Specific Conductance	67				umhos/cm	1		Field Sampling	Total/NA
Turbidity	2.12				NTU	1		Field Sampling	Total/NA
Water Level	106.24				ft	1		Field Sampling	Total/NA

Client Sample ID: Trip Blank - 65010

Lab Sample ID: 660-65010-3

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: Field Blank 012015

Lab Sample ID: 660-64974-1

Date Collected: 01/20/15 12:55

Matrix: Ground Water

Date Received: 01/20/15 17:50

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			01/27/15 09:53	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/27/15 09:53	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/27/15 09:53	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/27/15 09:53	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/27/15 09:53	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/27/15 09:53	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/27/15 09:53	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/27/15 09:53	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/27/15 09:53	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/27/15 09:53	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/27/15 09:53	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/27/15 09:53	1
2-Butanone	8.4	U	10	8.4	ug/L			01/27/15 09:53	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/27/15 09:53	1
Acetone	9.9	U	20	9.9	ug/L			01/27/15 09:53	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/27/15 09:53	1
Benzene	0.50	U	1.0	0.50	ug/L			01/27/15 09:53	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/27/15 09:53	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/27/15 09:53	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/27/15 09:53	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/27/15 09:53	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/27/15 09:53	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/27/15 09:53	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/27/15 09:53	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/27/15 09:53	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/27/15 09:53	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/27/15 09:53	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/27/15 09:53	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 09:53	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/27/15 09:53	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/27/15 09:53	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/27/15 09:53	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/27/15 09:53	1
Iodomethane	2.5	U J3	5.0	2.5	ug/L			01/27/15 09:53	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/27/15 09:53	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/27/15 09:53	1
Styrene	0.98	U	2.0	0.98	ug/L			01/27/15 09:53	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 09:53	1
Toluene	0.51	U	1.0	0.51	ug/L			01/27/15 09:53	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/27/15 09:53	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 09:53	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/27/15 09:53	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 09:53	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/27/15 09:53	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/27/15 09:53	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/27/15 09:53	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/27/15 09:53	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: Field Blank 012015

Lab Sample ID: 660-64974-1

Date Collected: 01/20/15 12:55

Matrix: Ground Water

Date Received: 01/20/15 17:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		01/27/15 09:53	1
Dibromofluoromethane	104		70 - 130		01/27/15 09:53	1
Toluene-d8 (Surr)	95		70 - 130		01/27/15 09:53	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		01/27/15 12:00	01/27/15 23:24	1
1,2-Dibromo-3-Chloropropane	0.0051	U	0.020	0.0051	ug/L		01/27/15 12:00	01/27/15 23:24	1
1,2,3-Trichloropropane	0.091	U	0.20	0.091	ug/L		01/27/15 12:00	01/27/15 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	105		60 - 144	01/27/15 12:00	01/27/15 23:24	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			01/27/15 11:50	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		01/23/15 07:54	01/24/15 08:10	1
Arsenic	1.3	U	2.5	1.3	ug/L		01/23/15 07:54	01/24/15 08:10	1
Barium	1.3	U	5.0	1.3	ug/L		01/23/15 07:54	01/24/15 08:10	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/23/15 07:54	01/24/15 08:10	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/23/15 07:54	01/24/15 08:10	1
Chromium	2.5	U	5.0	2.5	ug/L		01/23/15 07:54	01/24/15 08:10	1
Cobalt	0.15	U	0.50	0.15	ug/L		01/23/15 07:54	01/24/15 08:10	1
Copper	1.9	I	5.0	1.1	ug/L		01/23/15 07:54	01/24/15 08:10	1
Iron	33	U	100	33	ug/L		01/23/15 07:54	01/24/15 08:10	1
Lead	0.20	U	1.5	0.20	ug/L		01/23/15 07:54	01/24/15 08:10	1
Nickel	2.0	U	5.0	2.0	ug/L		01/23/15 07:54	01/24/15 08:10	1
Selenium	1.0	U	2.5	1.0	ug/L		01/23/15 07:54	01/24/15 08:10	1
Silver	0.25	U	1.0	0.25	ug/L		01/23/15 07:54	01/24/15 08:10	1
Sodium	0.53		0.50	0.25	mg/L		01/23/15 07:54	01/24/15 08:10	1
Thallium	0.50	U	1.0	0.50	ug/L		01/23/15 07:54	01/24/15 08:10	1
Vanadium	3.8	U	10	3.8	ug/L		01/23/15 07:54	01/24/15 08:10	1
Zinc	8.3	U	20	8.3	ug/L		01/23/15 07:54	01/24/15 08:10	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		01/23/15 10:19	01/23/15 15:46	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.11		0.050	0.026	mg/L			01/26/15 15:52	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/21/15 16:10	1
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			01/26/15 15:25	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-10

Date Collected: 01/20/15 11:40

Date Received: 01/20/15 17:50

Lab Sample ID: 660-64974-2

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			01/27/15 10:12	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/27/15 10:12	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/27/15 10:12	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/27/15 10:12	1
1,1-Dichloroethane	1.1		1.0	0.52	ug/L			01/27/15 10:12	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/27/15 10:12	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/27/15 10:12	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/27/15 10:12	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/27/15 10:12	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/27/15 10:12	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/27/15 10:12	1
1,4-Dichlorobenzene	7.3		1.0	0.52	ug/L			01/27/15 10:12	1
2-Butanone	8.4	U	10	8.4	ug/L			01/27/15 10:12	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/27/15 10:12	1
Acetone	9.9	U	20	9.9	ug/L			01/27/15 10:12	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/27/15 10:12	1
Benzene	1.3		1.0	0.50	ug/L			01/27/15 10:12	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/27/15 10:12	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/27/15 10:12	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/27/15 10:12	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/27/15 10:12	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/27/15 10:12	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/27/15 10:12	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/27/15 10:12	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/27/15 10:12	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/27/15 10:12	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/27/15 10:12	1
cis-1,2-Dichloroethene	3.4		1.0	0.65	ug/L			01/27/15 10:12	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 10:12	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/27/15 10:12	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/27/15 10:12	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/27/15 10:12	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/27/15 10:12	1
Iodomethane	2.5	U J3	5.0	2.5	ug/L			01/27/15 10:12	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/27/15 10:12	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/27/15 10:12	1
Styrene	0.98	U	2.0	0.98	ug/L			01/27/15 10:12	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 10:12	1
Toluene	0.51	U	1.0	0.51	ug/L			01/27/15 10:12	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/27/15 10:12	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 10:12	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/27/15 10:12	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 10:12	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/27/15 10:12	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/27/15 10:12	1
Vinyl chloride	1.8		1.0	0.50	ug/L			01/27/15 10:12	1
Xylenes, Total	3.1		3.0	0.50	ug/L			01/27/15 10:12	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-10

Lab Sample ID: 660-64974-2

Date Collected: 01/20/15 11:40

Matrix: Ground Water

Date Received: 01/20/15 17:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		70 - 130		01/27/15 10:12	1
Dibromofluoromethane	104		70 - 130		01/27/15 10:12	1
Toluene-d8 (Surr)	95		70 - 130		01/27/15 10:12	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		01/27/15 12:00	01/27/15 23:33	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		01/27/15 12:00	01/27/15 23:33	1
1,2,3-Trichloropropane	0.089	U	0.20	0.089	ug/L		01/27/15 12:00	01/27/15 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	111		60 - 144	01/27/15 12:00	01/27/15 23:33	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.5		0.50	0.20	mg/L			01/27/15 12:05	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		01/23/15 07:54	01/24/15 08:16	1
Arsenic	2.2	I	2.5	1.3	ug/L		01/23/15 07:54	01/24/15 08:16	1
Barium	91		5.0	1.3	ug/L		01/23/15 07:54	01/24/15 08:16	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/23/15 07:54	01/24/15 08:16	1
Cadmium	0.19	I	0.50	0.095	ug/L		01/23/15 07:54	01/24/15 08:16	1
Chromium	6.5		5.0	2.5	ug/L		01/23/15 07:54	01/24/15 08:16	1
Cobalt	0.38	I	0.50	0.15	ug/L		01/23/15 07:54	01/24/15 08:16	1
Copper	1.1	U	5.0	1.1	ug/L		01/23/15 07:54	01/24/15 08:16	1
Iron	5100		100	33	ug/L		01/23/15 07:54	01/24/15 08:16	1
Lead	3.3		1.5	0.20	ug/L		01/23/15 07:54	01/24/15 08:16	1
Nickel	3.3	I	5.0	2.0	ug/L		01/23/15 07:54	01/24/15 08:16	1
Selenium	1.4	I	2.5	1.0	ug/L		01/23/15 07:54	01/24/15 08:16	1
Silver	0.25	U	1.0	0.25	ug/L		01/23/15 07:54	01/24/15 08:16	1
Sodium	5.0		0.50	0.25	mg/L		01/23/15 07:54	01/24/15 08:16	1
Thallium	0.50	U	1.0	0.50	ug/L		01/23/15 07:54	01/24/15 08:16	1
Vanadium	3.8	U	10	3.8	ug/L		01/23/15 07:54	01/24/15 08:16	1
Zinc	8.3	U	20	8.3	ug/L		01/23/15 07:54	01/24/15 08:16	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		01/23/15 07:54	01/24/15 09:04	1
Arsenic	1.8	I	2.5	1.3	ug/L		01/23/15 07:54	01/24/15 09:04	1
Barium	2.9	I	5.0	1.3	ug/L		01/23/15 07:54	01/24/15 09:04	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/23/15 07:54	01/24/15 09:04	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/23/15 07:54	01/24/15 09:04	1
Chromium	2.5	U	5.0	2.5	ug/L		01/23/15 07:54	01/24/15 09:04	1
Cobalt	0.42	I	0.50	0.15	ug/L		01/23/15 07:54	01/24/15 09:04	1
Copper	1.1	U	5.0	1.1	ug/L		01/23/15 07:54	01/24/15 09:04	1
Iron	4700		100	33	ug/L		01/23/15 07:54	01/24/15 09:04	1
Lead	0.20	U	1.5	0.20	ug/L		01/23/15 07:54	01/24/15 09:04	1
Nickel	2.0	U	5.0	2.0	ug/L		01/23/15 07:54	01/24/15 09:04	1
Selenium	1.0	U	2.5	1.0	ug/L		01/23/15 07:54	01/24/15 09:04	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-10

Lab Sample ID: 660-64974-2

Date Collected: 01/20/15 11:40

Matrix: Ground Water

Date Received: 01/20/15 17:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.25	U	1.0	0.25	ug/L		01/23/15 07:54	01/24/15 09:04	1
Sodium	4.7		0.50	0.25	mg/L		01/23/15 07:54	01/24/15 09:04	1
Thallium	0.50	U	1.0	0.50	ug/L		01/23/15 07:54	01/24/15 09:04	1
Vanadium	3.8	U	10	3.8	ug/L		01/23/15 07:54	01/24/15 09:04	1
Zinc	8.3	U	20	8.3	ug/L		01/23/15 07:54	01/24/15 09:04	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		01/23/15 10:19	01/23/15 15:49	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		01/23/15 10:19	01/23/15 16:25	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.16		0.050	0.026	mg/L			01/26/15 16:30	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/21/15 16:11	1
Total Dissolved Solids	36		5.0	5.0	mg/L			01/22/15 13:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/20/15 11:40	1
Field pH	4.48				SU			01/20/15 11:40	1
Field Temperature	22.7				Degrees C			01/20/15 11:40	1
Oxygen, Dissolved	1.53				mg/L			01/20/15 11:40	1
Sheen	No				SU			01/20/15 11:40	1
Specific Conductance	55				umhos/cm			01/20/15 11:40	1
Turbidity	23.5				NTU			01/20/15 11:40	1
Water Level	106.15				ft			01/20/15 11:40	1

Client Sample Results

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-21

Lab Sample ID: 660-64974-3

Date Collected: 01/20/15 13:12

Matrix: Ground Water

Date Received: 01/20/15 17:50

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			01/27/15 10:31	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/27/15 10:31	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/27/15 10:31	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/27/15 10:31	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/27/15 10:31	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/27/15 10:31	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/27/15 10:31	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/27/15 10:31	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/27/15 10:31	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/27/15 10:31	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/27/15 10:31	1
1,4-Dichlorobenzene	10		1.0	0.52	ug/L			01/27/15 10:31	1
2-Butanone	8.4	U	10	8.4	ug/L			01/27/15 10:31	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/27/15 10:31	1
Acetone	9.9	U	20	9.9	ug/L			01/27/15 10:31	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/27/15 10:31	1
Benzene	1.5		1.0	0.50	ug/L			01/27/15 10:31	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/27/15 10:31	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/27/15 10:31	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/27/15 10:31	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/27/15 10:31	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/27/15 10:31	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/27/15 10:31	1
Chlorobenzene	1.5		1.0	0.63	ug/L			01/27/15 10:31	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/27/15 10:31	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/27/15 10:31	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/27/15 10:31	1
cis-1,2-Dichloroethene	1.2		1.0	0.65	ug/L			01/27/15 10:31	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 10:31	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/27/15 10:31	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/27/15 10:31	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/27/15 10:31	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/27/15 10:31	1
Iodomethane	2.5	U J3	5.0	2.5	ug/L			01/27/15 10:31	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/27/15 10:31	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/27/15 10:31	1
Styrene	0.98	U	2.0	0.98	ug/L			01/27/15 10:31	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 10:31	1
Toluene	0.51	U	1.0	0.51	ug/L			01/27/15 10:31	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/27/15 10:31	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 10:31	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/27/15 10:31	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 10:31	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/27/15 10:31	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/27/15 10:31	1
Vinyl chloride	0.55	I	1.0	0.50	ug/L			01/27/15 10:31	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/27/15 10:31	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-21

Lab Sample ID: 660-64974-3

Date Collected: 01/20/15 13:12

Matrix: Ground Water

Date Received: 01/20/15 17:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		70 - 130		01/27/15 10:31	1
Dibromofluoromethane	102		70 - 130		01/27/15 10:31	1
Toluene-d8 (Surr)	93		70 - 130		01/27/15 10:31	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		01/27/15 12:00	01/27/15 23:41	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		01/27/15 12:00	01/27/15 23:41	1
1,2,3-Trichloropropane	0.090	U	0.20	0.090	ug/L		01/27/15 12:00	01/27/15 23:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	123		60 - 144	01/27/15 12:00	01/27/15 23:41	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.5		0.50	0.20	mg/L			01/27/15 12:19	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		01/23/15 07:54	01/24/15 08:21	1
Arsenic	3.3		2.5	1.3	ug/L		01/23/15 07:54	01/24/15 08:21	1
Barium	33		5.0	1.3	ug/L		01/23/15 07:54	01/24/15 08:21	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/23/15 07:54	01/24/15 08:21	1
Cadmium	0.13	I	0.50	0.095	ug/L		01/23/15 07:54	01/24/15 08:21	1
Chromium	4.2	I	5.0	2.5	ug/L		01/23/15 07:54	01/24/15 08:21	1
Cobalt	0.66		0.50	0.15	ug/L		01/23/15 07:54	01/24/15 08:21	1
Copper	1.1	U	5.0	1.1	ug/L		01/23/15 07:54	01/24/15 08:21	1
Iron	1300		100	33	ug/L		01/23/15 07:54	01/24/15 08:21	1
Lead	1.8		1.5	0.20	ug/L		01/23/15 07:54	01/24/15 08:21	1
Nickel	4.2	I	5.0	2.0	ug/L		01/23/15 07:54	01/24/15 08:21	1
Selenium	1.0	U	2.5	1.0	ug/L		01/23/15 07:54	01/24/15 08:21	1
Silver	0.25	U	1.0	0.25	ug/L		01/23/15 07:54	01/24/15 08:21	1
Sodium	2.1		0.50	0.25	mg/L		01/23/15 07:54	01/24/15 08:21	1
Thallium	0.50	U	1.0	0.50	ug/L		01/23/15 07:54	01/24/15 08:21	1
Vanadium	3.8	U	10	3.8	ug/L		01/23/15 07:54	01/24/15 08:21	1
Zinc	8.3	U	20	8.3	ug/L		01/23/15 07:54	01/24/15 08:21	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		01/23/15 07:54	01/24/15 09:10	1
Arsenic	3.4		2.5	1.3	ug/L		01/23/15 07:54	01/24/15 09:10	1
Barium	1.3	U	5.0	1.3	ug/L		01/23/15 07:54	01/24/15 09:10	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/23/15 07:54	01/24/15 09:10	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/23/15 07:54	01/24/15 09:10	1
Chromium	2.5	U	5.0	2.5	ug/L		01/23/15 07:54	01/24/15 09:10	1
Cobalt	0.57		0.50	0.15	ug/L		01/23/15 07:54	01/24/15 09:10	1
Copper	1.1	U	5.0	1.1	ug/L		01/23/15 07:54	01/24/15 09:10	1
Iron	910		100	33	ug/L		01/23/15 07:54	01/24/15 09:10	1
Lead	0.20	U	1.5	0.20	ug/L		01/23/15 07:54	01/24/15 09:10	1
Nickel	2.0	I	5.0	2.0	ug/L		01/23/15 07:54	01/24/15 09:10	1
Selenium	1.0	U	2.5	1.0	ug/L		01/23/15 07:54	01/24/15 09:10	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-21

Lab Sample ID: 660-64974-3

Date Collected: 01/20/15 13:12

Matrix: Ground Water

Date Received: 01/20/15 17:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.25	U	1.0	0.25	ug/L		01/23/15 07:54	01/24/15 09:10	1
Sodium	2.0		0.50	0.25	mg/L		01/23/15 07:54	01/24/15 09:10	1
Thallium	0.50	U	1.0	0.50	ug/L		01/23/15 07:54	01/24/15 09:10	1
Vanadium	3.8	U	10	3.8	ug/L		01/23/15 07:54	01/24/15 09:10	1
Zinc	8.3	U	20	8.3	ug/L		01/23/15 07:54	01/24/15 09:10	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		01/23/15 10:19	01/23/15 15:58	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		01/23/15 10:19	01/23/15 16:28	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	2.0		0.10	0.052	mg/L			01/26/15 17:31	2
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/21/15 16:12	1
Total Dissolved Solids	64		5.0	5.0	mg/L			01/22/15 13:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Cloudy				Color Units			01/20/15 13:12	1
Field pH	4.54				SU			01/20/15 13:12	1
Field Temperature	23.5				Degrees C			01/20/15 13:12	1
Oxygen, Dissolved	0.97				mg/L			01/20/15 13:12	1
Sheen	No				SU			01/20/15 13:12	1
Specific Conductance	97				umhos/cm			01/20/15 13:12	1
Turbidity	27.2				NTU			01/20/15 13:12	1
Water Level	108.49				ft			01/20/15 13:12	1

Client Sample Results

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-17

Lab Sample ID: 660-64974-4

Date Collected: 01/20/15 14:48

Matrix: Ground Water

Date Received: 01/20/15 17:50

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			01/27/15 10:50	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/27/15 10:50	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/27/15 10:50	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/27/15 10:50	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/27/15 10:50	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/27/15 10:50	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/27/15 10:50	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/27/15 10:50	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/27/15 10:50	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/27/15 10:50	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/27/15 10:50	1
1,4-Dichlorobenzene	1.1		1.0	0.52	ug/L			01/27/15 10:50	1
2-Butanone	8.4	U	10	8.4	ug/L			01/27/15 10:50	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/27/15 10:50	1
Acetone	9.9	U	20	9.9	ug/L			01/27/15 10:50	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/27/15 10:50	1
Benzene	0.50	U	1.0	0.50	ug/L			01/27/15 10:50	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/27/15 10:50	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/27/15 10:50	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/27/15 10:50	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/27/15 10:50	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/27/15 10:50	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/27/15 10:50	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/27/15 10:50	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/27/15 10:50	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/27/15 10:50	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/27/15 10:50	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/27/15 10:50	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 10:50	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/27/15 10:50	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/27/15 10:50	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/27/15 10:50	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/27/15 10:50	1
Iodomethane	2.5	U J3	5.0	2.5	ug/L			01/27/15 10:50	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/27/15 10:50	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/27/15 10:50	1
Styrene	0.98	U	2.0	0.98	ug/L			01/27/15 10:50	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 10:50	1
Toluene	0.51	U	1.0	0.51	ug/L			01/27/15 10:50	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/27/15 10:50	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 10:50	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/27/15 10:50	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 10:50	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/27/15 10:50	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/27/15 10:50	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/27/15 10:50	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/27/15 10:50	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-17

Lab Sample ID: 660-64974-4

Date Collected: 01/20/15 14:48

Matrix: Ground Water

Date Received: 01/20/15 17:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		01/27/15 10:50	1
Dibromofluoromethane	106		70 - 130		01/27/15 10:50	1
Toluene-d8 (Surr)	95		70 - 130		01/27/15 10:50	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		01/27/15 12:00	01/27/15 23:50	1
1,2-Dibromo-3-Chloropropane	0.0051	U	0.020	0.0051	ug/L		01/27/15 12:00	01/27/15 23:50	1
1,2,3-Trichloropropane	0.092	U	0.20	0.092	ug/L		01/27/15 12:00	01/27/15 23:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	107		60 - 144	01/27/15 12:00	01/27/15 23:50	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.3		0.50	0.20	mg/L			01/27/15 12:34	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		01/23/15 07:54	01/24/15 08:37	1
Arsenic	4.3		2.5	1.3	ug/L		01/23/15 07:54	01/24/15 08:37	1
Barium	4.9	I	5.0	1.3	ug/L		01/23/15 07:54	01/24/15 08:37	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/23/15 07:54	01/24/15 08:37	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/23/15 07:54	01/24/15 08:37	1
Chromium	2.5	U	5.0	2.5	ug/L		01/23/15 07:54	01/24/15 08:37	1
Cobalt	6.4		0.50	0.15	ug/L		01/23/15 07:54	01/24/15 08:37	1
Copper	1.1	U	5.0	1.1	ug/L		01/23/15 07:54	01/24/15 08:37	1
Iron	13000		100	33	ug/L		01/23/15 07:54	01/24/15 08:37	1
Lead	0.20	U	1.5	0.20	ug/L		01/23/15 07:54	01/24/15 08:37	1
Nickel	2.4	I	5.0	2.0	ug/L		01/23/15 07:54	01/24/15 08:37	1
Selenium	1.0	U	2.5	1.0	ug/L		01/23/15 07:54	01/24/15 08:37	1
Silver	0.25	U	1.0	0.25	ug/L		01/23/15 07:54	01/24/15 08:37	1
Sodium	2.3		0.50	0.25	mg/L		01/23/15 07:54	01/24/15 08:37	1
Thallium	0.50	U	1.0	0.50	ug/L		01/23/15 07:54	01/24/15 08:37	1
Vanadium	3.8	U	10	3.8	ug/L		01/23/15 07:54	01/24/15 08:37	1
Zinc	8.3	U	20	8.3	ug/L		01/23/15 07:54	01/24/15 08:37	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		01/23/15 10:19	01/23/15 16:01	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.73		0.050	0.026	mg/L			01/26/15 16:11	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/21/15 16:13	1
Total Dissolved Solids	64		5.0	5.0	mg/L			01/22/15 13:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/20/15 14:48	1
Field pH	5.30				SU			01/20/15 14:48	1
Field Temperature	23.7				Degrees C			01/20/15 14:48	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-17

Lab Sample ID: 660-64974-4

Date Collected: 01/20/15 14:48

Matrix: Ground Water

Date Received: 01/20/15 17:50

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oxygen, Dissolved	0.78				mg/L			01/20/15 14:48	1
Sheen	No				SU			01/20/15 14:48	1
Specific Conductance	116				umhos/cm			01/20/15 14:48	1
Turbidity	3.23				NTU			01/20/15 14:48	1
Water Level	104.85				ft			01/20/15 14:48	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-15

Lab Sample ID: 660-64974-5

Date Collected: 01/20/15 15:50

Matrix: Ground Water

Date Received: 01/20/15 17:50

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			01/27/15 11:09	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/27/15 11:09	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/27/15 11:09	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/27/15 11:09	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/27/15 11:09	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/27/15 11:09	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/27/15 11:09	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/27/15 11:09	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/27/15 11:09	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/27/15 11:09	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/27/15 11:09	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/27/15 11:09	1
2-Butanone	8.4	U	10	8.4	ug/L			01/27/15 11:09	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/27/15 11:09	1
Acetone	9.9	U	20	9.9	ug/L			01/27/15 11:09	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/27/15 11:09	1
Benzene	0.50	U	1.0	0.50	ug/L			01/27/15 11:09	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/27/15 11:09	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/27/15 11:09	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/27/15 11:09	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/27/15 11:09	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/27/15 11:09	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/27/15 11:09	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/27/15 11:09	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/27/15 11:09	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/27/15 11:09	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/27/15 11:09	1
cis-1,2-Dichloroethene	1.8		1.0	0.65	ug/L			01/27/15 11:09	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 11:09	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/27/15 11:09	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/27/15 11:09	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/27/15 11:09	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/27/15 11:09	1
Iodomethane	2.5	U J3	5.0	2.5	ug/L			01/27/15 11:09	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/27/15 11:09	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/27/15 11:09	1
Styrene	0.98	U	2.0	0.98	ug/L			01/27/15 11:09	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 11:09	1
Toluene	0.51	U	1.0	0.51	ug/L			01/27/15 11:09	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/27/15 11:09	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 11:09	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/27/15 11:09	1
Trichloroethene	0.53	I	1.0	0.50	ug/L			01/27/15 11:09	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/27/15 11:09	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/27/15 11:09	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/27/15 11:09	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/27/15 11:09	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-15

Lab Sample ID: 660-64974-5

Date Collected: 01/20/15 15:50

Matrix: Ground Water

Date Received: 01/20/15 17:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		70 - 130		01/27/15 11:09	1
Dibromofluoromethane	106		70 - 130		01/27/15 11:09	1
Toluene-d8 (Surr)	96		70 - 130		01/27/15 11:09	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		01/27/15 12:00	01/27/15 23:59	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		01/27/15 12:00	01/27/15 23:59	1
1,2,3-Trichloropropane	0.089	U	0.20	0.089	ug/L		01/27/15 12:00	01/27/15 23:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	108		60 - 144	01/27/15 12:00	01/27/15 23:59	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.8		0.50	0.20	mg/L			01/27/15 13:17	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		01/23/15 07:54	01/24/15 08:43	1
Arsenic	4.1		2.5	1.3	ug/L		01/23/15 07:54	01/24/15 08:43	1
Barium	2.3	I	5.0	1.3	ug/L		01/23/15 07:54	01/24/15 08:43	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/23/15 07:54	01/24/15 08:43	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/23/15 07:54	01/24/15 08:43	1
Chromium	2.5	U	5.0	2.5	ug/L		01/23/15 07:54	01/24/15 08:43	1
Cobalt	0.24	I	0.50	0.15	ug/L		01/23/15 07:54	01/24/15 08:43	1
Copper	1.1	U	5.0	1.1	ug/L		01/23/15 07:54	01/24/15 08:43	1
Iron	7500		100	33	ug/L		01/23/15 07:54	01/24/15 08:43	1
Lead	0.28	I	1.5	0.20	ug/L		01/23/15 07:54	01/24/15 08:43	1
Nickel	2.0	I	5.0	2.0	ug/L		01/23/15 07:54	01/24/15 08:43	1
Selenium	1.0	U	2.5	1.0	ug/L		01/23/15 07:54	01/24/15 08:43	1
Silver	0.25	U	1.0	0.25	ug/L		01/23/15 07:54	01/24/15 08:43	1
Sodium	1.8		0.50	0.25	mg/L		01/23/15 07:54	01/24/15 08:43	1
Thallium	0.50	U	1.0	0.50	ug/L		01/23/15 07:54	01/24/15 08:43	1
Vanadium	3.8	U	10	3.8	ug/L		01/23/15 07:54	01/24/15 08:43	1
Zinc	9.8	I	20	8.3	ug/L		01/23/15 07:54	01/24/15 08:43	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		01/23/15 10:19	01/23/15 16:04	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.21		0.050	0.026	mg/L			01/26/15 16:11	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/21/15 16:15	1
Total Dissolved Solids	32		5.0	5.0	mg/L			01/22/15 13:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/20/15 15:50	1
Field pH	4.55				SU			01/20/15 15:50	1
Field Temperature	22.5				Degrees C			01/20/15 15:50	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-15
Date Collected: 01/20/15 15:50
Date Received: 01/20/15 17:50

Lab Sample ID: 660-64974-5
Matrix: Ground Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oxygen, Dissolved	0.80				mg/L			01/20/15 15:50	1
Sheen	No				SU			01/20/15 15:50	1
Specific Conductance	51				umhos/cm			01/20/15 15:50	1
Turbidity	2.26				NTU			01/20/15 15:50	1
Water Level	117.36				ft			01/20/15 15:50	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-11

Lab Sample ID: 660-64974-6

Date Collected: 01/20/15 12:27

Matrix: Ground Water

Date Received: 01/20/15 17:50

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			01/27/15 11:28	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/27/15 11:28	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/27/15 11:28	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/27/15 11:28	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/27/15 11:28	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/27/15 11:28	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/27/15 11:28	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/27/15 11:28	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/27/15 11:28	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/27/15 11:28	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/27/15 11:28	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/27/15 11:28	1
2-Butanone	8.4	U	10	8.4	ug/L			01/27/15 11:28	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/27/15 11:28	1
Acetone	9.9	U	20	9.9	ug/L			01/27/15 11:28	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/27/15 11:28	1
Benzene	0.50	U	1.0	0.50	ug/L			01/27/15 11:28	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/27/15 11:28	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/27/15 11:28	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/27/15 11:28	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/27/15 11:28	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/27/15 11:28	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/27/15 11:28	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/27/15 11:28	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/27/15 11:28	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/27/15 11:28	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/27/15 11:28	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/27/15 11:28	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 11:28	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/27/15 11:28	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/27/15 11:28	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/27/15 11:28	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/27/15 11:28	1
Iodomethane	2.5	U J3	5.0	2.5	ug/L			01/27/15 11:28	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/27/15 11:28	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/27/15 11:28	1
Styrene	0.98	U	2.0	0.98	ug/L			01/27/15 11:28	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 11:28	1
Toluene	0.51	U	1.0	0.51	ug/L			01/27/15 11:28	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/27/15 11:28	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 11:28	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/27/15 11:28	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 11:28	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/27/15 11:28	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/27/15 11:28	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/27/15 11:28	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/27/15 11:28	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-11

Lab Sample ID: 660-64974-6

Date Collected: 01/20/15 12:27

Matrix: Ground Water

Date Received: 01/20/15 17:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		70 - 130		01/27/15 11:28	1
Dibromofluoromethane	106		70 - 130		01/27/15 11:28	1
Toluene-d8 (Surr)	95		70 - 130		01/27/15 11:28	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		01/27/15 12:00	01/28/15 00:07	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		01/27/15 12:00	01/28/15 00:07	1
1,2,3-Trichloropropane	0.089	U	0.20	0.089	ug/L		01/27/15 12:00	01/28/15 00:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	116		60 - 144	01/27/15 12:00	01/28/15 00:07	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.3		0.50	0.20	mg/L			01/27/15 13:32	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.3	U	5.0	2.3	ug/L		01/23/15 07:54	01/24/15 08:48	1
Arsenic	1.3	U	2.5	1.3	ug/L		01/23/15 07:54	01/24/15 08:48	1
Barium	22		5.0	1.3	ug/L		01/23/15 07:54	01/24/15 08:48	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/23/15 07:54	01/24/15 08:48	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/23/15 07:54	01/24/15 08:48	1
Chromium	3.0	I	5.0	2.5	ug/L		01/23/15 07:54	01/24/15 08:48	1
Cobalt	0.15	U	0.50	0.15	ug/L		01/23/15 07:54	01/24/15 08:48	1
Copper	1.1	U	5.0	1.1	ug/L		01/23/15 07:54	01/24/15 08:48	1
Iron	73	I	100	33	ug/L		01/23/15 07:54	01/24/15 08:48	1
Lead	0.20	U	1.5	0.20	ug/L		01/23/15 07:54	01/24/15 08:48	1
Nickel	3.0	I	5.0	2.0	ug/L		01/23/15 07:54	01/24/15 08:48	1
Selenium	1.0	U	2.5	1.0	ug/L		01/23/15 07:54	01/24/15 08:48	1
Silver	0.25	U	1.0	0.25	ug/L		01/23/15 07:54	01/24/15 08:48	1
Sodium	4.3		0.50	0.25	mg/L		01/23/15 07:54	01/24/15 08:48	1
Thallium	1.2		1.0	0.50	ug/L		01/23/15 07:54	01/24/15 08:48	1
Vanadium	3.8	U	10	3.8	ug/L		01/23/15 07:54	01/24/15 08:48	1
Zinc	8.3	U	20	8.3	ug/L		01/23/15 07:54	01/24/15 08:48	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		01/23/15 10:19	01/23/15 16:07	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.14		0.050	0.026	mg/L			01/26/15 16:11	1
Nitrate as N	0.38	I	0.50	0.10	mg/L			01/21/15 16:16	1
Total Dissolved Solids	280		5.0	5.0	mg/L			01/22/15 13:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/20/15 12:27	1
Field pH	6.84				SU			01/20/15 12:27	1
Field Temperature	20.6				Degrees C			01/20/15 12:27	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-11
Date Collected: 01/20/15 12:27
Date Received: 01/20/15 17:50

Lab Sample ID: 660-64974-6
Matrix: Ground Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oxygen, Dissolved	0.87				mg/L			01/20/15 12:27	1
Sheen	No				SU			01/20/15 12:27	1
Specific Conductance	479				umhos/cm			01/20/15 12:27	1
Turbidity	3.95				NTU			01/20/15 12:27	1
Water Level	98.87				ft			01/20/15 12:27	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-12

Lab Sample ID: 660-64974-7

Date Collected: 01/20/15 13:49

Matrix: Ground Water

Date Received: 01/20/15 17:50

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			01/27/15 11:47	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/27/15 11:47	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/27/15 11:47	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/27/15 11:47	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/27/15 11:47	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/27/15 11:47	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/27/15 11:47	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/27/15 11:47	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/27/15 11:47	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/27/15 11:47	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/27/15 11:47	1
1,4-Dichlorobenzene	0.96	I	1.0	0.52	ug/L			01/27/15 11:47	1
2-Butanone	8.4	U	10	8.4	ug/L			01/27/15 11:47	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/27/15 11:47	1
Acetone	9.9	U	20	9.9	ug/L			01/27/15 11:47	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/27/15 11:47	1
Benzene	0.50	U	1.0	0.50	ug/L			01/27/15 11:47	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/27/15 11:47	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/27/15 11:47	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/27/15 11:47	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/27/15 11:47	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/27/15 11:47	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/27/15 11:47	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/27/15 11:47	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/27/15 11:47	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/27/15 11:47	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/27/15 11:47	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/27/15 11:47	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 11:47	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/27/15 11:47	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/27/15 11:47	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/27/15 11:47	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/27/15 11:47	1
Iodomethane	2.5	U J3	5.0	2.5	ug/L			01/27/15 11:47	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/27/15 11:47	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/27/15 11:47	1
Styrene	0.98	U	2.0	0.98	ug/L			01/27/15 11:47	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 11:47	1
Toluene	0.51	U	1.0	0.51	ug/L			01/27/15 11:47	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/27/15 11:47	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 11:47	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/27/15 11:47	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 11:47	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/27/15 11:47	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/27/15 11:47	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/27/15 11:47	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/27/15 11:47	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-12

Lab Sample ID: 660-64974-7

Date Collected: 01/20/15 13:49

Matrix: Ground Water

Date Received: 01/20/15 17:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		70 - 130		01/27/15 11:47	1
Dibromofluoromethane	106		70 - 130		01/27/15 11:47	1
Toluene-d8 (Surr)	95		70 - 130		01/27/15 11:47	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		01/27/15 12:00	01/28/15 00:16	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		01/27/15 12:00	01/28/15 00:16	1
1,2,3-Trichloropropane	0.091	U	0.20	0.091	ug/L		01/27/15 12:00	01/28/15 00:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	107		60 - 144	01/27/15 12:00	01/28/15 00:16	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.9		0.50	0.20	mg/L			01/27/15 13:46	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		01/23/15 07:54	01/24/15 08:53	1
Arsenic	1.8	I	2.5	1.3	ug/L		01/23/15 07:54	01/24/15 08:53	1
Barium	17		5.0	1.3	ug/L		01/23/15 07:54	01/24/15 08:53	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/23/15 07:54	01/24/15 08:53	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/23/15 07:54	01/24/15 08:53	1
Chromium	2.5	U	5.0	2.5	ug/L		01/23/15 07:54	01/24/15 08:53	1
Cobalt	0.41	I	0.50	0.15	ug/L		01/23/15 07:54	01/24/15 08:53	1
Copper	1.1	U	5.0	1.1	ug/L		01/23/15 07:54	01/24/15 08:53	1
Iron	2900		100	33	ug/L		01/23/15 07:54	01/24/15 08:53	1
Lead	0.20	U	1.5	0.20	ug/L		01/23/15 07:54	01/24/15 08:53	1
Nickel	2.0	U	5.0	2.0	ug/L		01/23/15 07:54	01/24/15 08:53	1
Selenium	1.0	U	2.5	1.0	ug/L		01/23/15 07:54	01/24/15 08:53	1
Silver	0.25	U	1.0	0.25	ug/L		01/23/15 07:54	01/24/15 08:53	1
Sodium	3.5		0.50	0.25	mg/L		01/23/15 07:54	01/24/15 08:53	1
Thallium	0.50	U	1.0	0.50	ug/L		01/23/15 07:54	01/24/15 08:53	1
Vanadium	3.8	U	10	3.8	ug/L		01/23/15 07:54	01/24/15 08:53	1
Zinc	8.3	U	20	8.3	ug/L		01/23/15 07:54	01/24/15 08:53	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		01/23/15 10:19	01/23/15 16:16	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.31		0.050	0.026	mg/L			01/26/15 16:11	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/21/15 16:17	1
Total Dissolved Solids	330		5.0	5.0	mg/L			01/22/15 13:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/20/15 13:49	1
Field pH	6.75				SU			01/20/15 13:49	1
Field Temperature	23.5				Degrees C			01/20/15 13:49	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-12

Lab Sample ID: 660-64974-7

Date Collected: 01/20/15 13:49

Matrix: Ground Water

Date Received: 01/20/15 17:50

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oxygen, Dissolved	0.53				mg/L			01/20/15 13:49	1
Sheen	No				SU			01/20/15 13:49	1
Specific Conductance	565				umhos/cm			01/20/15 13:49	1
Turbidity	3.26				NTU			01/20/15 13:49	1
Water Level	97.52				ft			01/20/15 13:49	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-13

Date Collected: 01/20/15 15:08

Date Received: 01/20/15 17:50

Lab Sample ID: 660-64974-8

Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.63	U	1.0	0.63	ug/L			01/27/15 12:06	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/27/15 12:06	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/27/15 12:06	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/27/15 12:06	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/27/15 12:06	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/27/15 12:06	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/27/15 12:06	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/27/15 12:06	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/27/15 12:06	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/27/15 12:06	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/27/15 12:06	1
1,4-Dichlorobenzene	2.8		1.0	0.52	ug/L			01/27/15 12:06	1
2-Butanone	8.4	U	10	8.4	ug/L			01/27/15 12:06	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/27/15 12:06	1
Acetone	9.9	U	20	9.9	ug/L			01/27/15 12:06	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/27/15 12:06	1
Benzene	0.50	U	1.0	0.50	ug/L			01/27/15 12:06	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/27/15 12:06	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/27/15 12:06	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/27/15 12:06	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/27/15 12:06	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/27/15 12:06	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/27/15 12:06	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/27/15 12:06	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/27/15 12:06	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/27/15 12:06	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/27/15 12:06	1
cis-1,2-Dichloroethene	1.2		1.0	0.65	ug/L			01/27/15 12:06	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 12:06	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/27/15 12:06	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/27/15 12:06	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/27/15 12:06	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/27/15 12:06	1
Iodomethane	2.5	U J3	5.0	2.5	ug/L			01/27/15 12:06	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/27/15 12:06	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/27/15 12:06	1
Styrene	0.98	U	2.0	0.98	ug/L			01/27/15 12:06	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 12:06	1
Toluene	0.51	U	1.0	0.51	ug/L			01/27/15 12:06	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/27/15 12:06	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 12:06	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/27/15 12:06	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 12:06	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/27/15 12:06	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/27/15 12:06	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/27/15 12:06	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/27/15 12:06	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-13

Lab Sample ID: 660-64974-8

Date Collected: 01/20/15 15:08

Matrix: Ground Water

Date Received: 01/20/15 17:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		70 - 130		01/27/15 12:06	1
Dibromofluoromethane	109		70 - 130		01/27/15 12:06	1
Toluene-d8 (Surr)	94		70 - 130		01/27/15 12:06	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		01/27/15 12:00	01/28/15 00:25	1
1,2-Dibromo-3-Chloropropane	0.0049	U	0.020	0.0049	ug/L		01/27/15 12:00	01/28/15 00:25	1
1,2,3-Trichloropropane	0.088	U	0.20	0.088	ug/L		01/27/15 12:00	01/28/15 00:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	112		60 - 144	01/27/15 12:00	01/28/15 00:25	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.9		0.50	0.20	mg/L			01/27/15 14:01	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		01/23/15 07:54	01/24/15 07:43	1
Arsenic	4.2		2.5	1.3	ug/L		01/23/15 07:54	01/24/15 07:43	1
Barium	10		5.0	1.3	ug/L		01/23/15 07:54	01/24/15 07:43	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/23/15 07:54	01/24/15 07:43	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/23/15 07:54	01/24/15 07:43	1
Chromium	2.5	U	5.0	2.5	ug/L		01/23/15 07:54	01/24/15 07:43	1
Cobalt	6.5		0.50	0.15	ug/L		01/23/15 07:54	01/24/15 07:43	1
Copper	2.5	I	5.0	1.1	ug/L		01/23/15 07:54	01/24/15 07:43	1
Iron	3700		100	33	ug/L		01/23/15 07:54	01/24/15 07:43	1
Lead	0.54	I	1.5	0.20	ug/L		01/23/15 07:54	01/24/15 07:43	1
Nickel	4.9	I	5.0	2.0	ug/L		01/23/15 07:54	01/24/15 07:43	1
Selenium	1.0	U	2.5	1.0	ug/L		01/23/15 07:54	01/24/15 07:43	1
Silver	0.25	U	1.0	0.25	ug/L		01/23/15 07:54	01/24/15 07:43	1
Sodium	3.1		0.50	0.25	mg/L		01/23/15 07:54	01/24/15 07:43	1
Thallium	0.50	U	1.0	0.50	ug/L		01/23/15 07:54	01/24/15 07:43	1
Vanadium	3.8	U	10	3.8	ug/L		01/23/15 07:54	01/24/15 07:43	1
Zinc	46	J3	20	8.3	ug/L		01/23/15 07:54	01/24/15 07:43	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		01/23/15 10:19	01/23/15 16:19	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.15		0.050	0.026	mg/L			01/26/15 16:11	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/21/15 16:18	1
Total Dissolved Solids	54		5.0	5.0	mg/L			01/22/15 13:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/20/15 15:08	1
Field pH	5.30				SU			01/20/15 15:08	1
Field Temperature	23.2				Degrees C			01/20/15 15:08	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

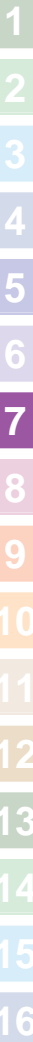
TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-13
Date Collected: 01/20/15 15:08
Date Received: 01/20/15 17:50

Lab Sample ID: 660-64974-8
Matrix: Ground Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oxygen, Dissolved	0.68				mg/L			01/20/15 15:08	1
Sheen	No				SU			01/20/15 15:08	1
Specific Conductance	81				umhos/cm			01/20/15 15:08	1
Turbidity	4.34				NTU			01/20/15 15:08	1
Water Level	105.92				ft			01/20/15 15:08	1



Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-14

Lab Sample ID: 660-64974-9

Date Collected: 01/20/15 16:15

Matrix: Ground Water

Date Received: 01/20/15 17:50

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			01/27/15 12:25	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/27/15 12:25	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/27/15 12:25	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/27/15 12:25	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/27/15 12:25	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/27/15 12:25	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/27/15 12:25	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/27/15 12:25	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/27/15 12:25	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/27/15 12:25	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/27/15 12:25	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/27/15 12:25	1
2-Butanone	8.4	U	10	8.4	ug/L			01/27/15 12:25	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/27/15 12:25	1
Acetone	9.9	U	20	9.9	ug/L			01/27/15 12:25	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/27/15 12:25	1
Benzene	0.50	U	1.0	0.50	ug/L			01/27/15 12:25	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/27/15 12:25	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/27/15 12:25	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/27/15 12:25	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/27/15 12:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/27/15 12:25	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/27/15 12:25	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/27/15 12:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/27/15 12:25	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/27/15 12:25	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/27/15 12:25	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/27/15 12:25	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 12:25	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/27/15 12:25	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/27/15 12:25	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/27/15 12:25	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/27/15 12:25	1
Iodomethane	2.5	U J3	5.0	2.5	ug/L			01/27/15 12:25	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/27/15 12:25	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/27/15 12:25	1
Styrene	0.98	U	2.0	0.98	ug/L			01/27/15 12:25	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 12:25	1
Toluene	0.51	U	1.0	0.51	ug/L			01/27/15 12:25	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/27/15 12:25	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 12:25	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/27/15 12:25	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 12:25	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/27/15 12:25	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/27/15 12:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/27/15 12:25	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/27/15 12:25	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-14

Lab Sample ID: 660-64974-9

Date Collected: 01/20/15 16:15

Matrix: Ground Water

Date Received: 01/20/15 17:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		70 - 130		01/27/15 12:25	1
Dibromofluoromethane	105		70 - 130		01/27/15 12:25	1
Toluene-d8 (Surr)	94		70 - 130		01/27/15 12:25	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		01/27/15 12:00	01/28/15 00:33	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		01/27/15 12:00	01/28/15 00:33	1
1,2,3-Trichloropropane	0.090	U	0.20	0.090	ug/L		01/27/15 12:00	01/28/15 00:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	115		60 - 144	01/27/15 12:00	01/28/15 00:33	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.7		0.50	0.20	mg/L			01/27/15 14:44	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		01/23/15 07:54	01/24/15 08:59	1
Arsenic	1.3	U	2.5	1.3	ug/L		01/23/15 07:54	01/24/15 08:59	1
Barium	11		5.0	1.3	ug/L		01/23/15 07:54	01/24/15 08:59	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/23/15 07:54	01/24/15 08:59	1
Cadmium	0.39	I	0.50	0.095	ug/L		01/23/15 07:54	01/24/15 08:59	1
Chromium	2.5	U	5.0	2.5	ug/L		01/23/15 07:54	01/24/15 08:59	1
Cobalt	0.50		0.50	0.15	ug/L		01/23/15 07:54	01/24/15 08:59	1
Copper	1.1	U	5.0	1.1	ug/L		01/23/15 07:54	01/24/15 08:59	1
Iron	45	I	100	33	ug/L		01/23/15 07:54	01/24/15 08:59	1
Lead	0.20	U	1.5	0.20	ug/L		01/23/15 07:54	01/24/15 08:59	1
Nickel	2.0	U	5.0	2.0	ug/L		01/23/15 07:54	01/24/15 08:59	1
Selenium	1.0	U	2.5	1.0	ug/L		01/23/15 07:54	01/24/15 08:59	1
Silver	0.25	U	1.0	0.25	ug/L		01/23/15 07:54	01/24/15 08:59	1
Sodium	3.0		0.50	0.25	mg/L		01/23/15 07:54	01/24/15 08:59	1
Thallium	0.50	U	1.0	0.50	ug/L		01/23/15 07:54	01/24/15 08:59	1
Vanadium	3.8	U	10	3.8	ug/L		01/23/15 07:54	01/24/15 08:59	1
Zinc	8.3	U	20	8.3	ug/L		01/23/15 07:54	01/24/15 08:59	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		01/23/15 10:19	01/23/15 16:22	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.16		0.050	0.026	mg/L			01/26/15 15:52	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/21/15 16:22	1
Total Dissolved Solids	290		5.0	5.0	mg/L			01/22/15 13:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/20/15 16:15	1
Field pH	6.78				SU			01/20/15 16:15	1
Field Temperature	23.0				Degrees C			01/20/15 16:15	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-14

Lab Sample ID: 660-64974-9

Date Collected: 01/20/15 16:15

Matrix: Ground Water

Date Received: 01/20/15 17:50

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oxygen, Dissolved	0.39				mg/L			01/20/15 16:15	1
Sheen	No				SU			01/20/15 16:15	1
Specific Conductance	497				umhos/cm			01/20/15 16:15	1
Turbidity	0.79				NTU			01/20/15 16:15	1
Water Level	102.66				ft			01/20/15 16:15	1

- 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 LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: Trip Blank 012015

Lab Sample ID: 660-64974-10

Date Collected: 01/20/15 00:00

Matrix: Water

Date Received: 01/20/15 17:50

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			01/27/15 12:44	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/27/15 12:44	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/27/15 12:44	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/27/15 12:44	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/27/15 12:44	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/27/15 12:44	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/27/15 12:44	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/27/15 12:44	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/27/15 12:44	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/27/15 12:44	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/27/15 12:44	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/27/15 12:44	1
2-Butanone	8.4	U	10	8.4	ug/L			01/27/15 12:44	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/27/15 12:44	1
Acetone	9.9	U	20	9.9	ug/L			01/27/15 12:44	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/27/15 12:44	1
Benzene	0.50	U	1.0	0.50	ug/L			01/27/15 12:44	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/27/15 12:44	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/27/15 12:44	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/27/15 12:44	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/27/15 12:44	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/27/15 12:44	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/27/15 12:44	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/27/15 12:44	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/27/15 12:44	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/27/15 12:44	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/27/15 12:44	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/27/15 12:44	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 12:44	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/27/15 12:44	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/27/15 12:44	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/27/15 12:44	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/27/15 12:44	1
Iodomethane	2.5	U J3	5.0	2.5	ug/L			01/27/15 12:44	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/27/15 12:44	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/27/15 12:44	1
Styrene	0.98	U	2.0	0.98	ug/L			01/27/15 12:44	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 12:44	1
Toluene	0.51	U	1.0	0.51	ug/L			01/27/15 12:44	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/27/15 12:44	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 12:44	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/27/15 12:44	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 12:44	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/27/15 12:44	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/27/15 12:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/27/15 12:44	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/27/15 12:44	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: Trip Blank 012015

Lab Sample ID: 660-64974-10

Date Collected: 01/20/15 00:00

Matrix: Water

Date Received: 01/20/15 17:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		70 - 130		01/27/15 12:44	1
Dibromofluoromethane	108		70 - 130		01/27/15 12:44	1
Toluene-d8 (Surr)	94		70 - 130		01/27/15 12:44	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		01/27/15 12:00	01/28/15 00:42	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		01/27/15 12:00	01/28/15 00:42	1
1,2,3-Trichloropropane	0.090	U	0.20	0.090	ug/L		01/27/15 12:00	01/28/15 00:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	112		60 - 144	01/27/15 12:00	01/28/15 00:42	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-20

Lab Sample ID: 660-65007-1

Date Collected: 01/21/15 08:52

Matrix: Ground Water

Date Received: 01/21/15 15:50

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			01/27/15 16:44	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/27/15 16:44	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/27/15 16:44	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/27/15 16:44	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/27/15 16:44	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/27/15 16:44	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/27/15 16:44	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/27/15 16:44	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/27/15 16:44	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/27/15 16:44	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/27/15 16:44	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/27/15 16:44	1
2-Butanone	8.4	U	10	8.4	ug/L			01/27/15 16:44	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/27/15 16:44	1
Acetone	9.9	U	20	9.9	ug/L			01/27/15 16:44	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/27/15 16:44	1
Benzene	0.50	U	1.0	0.50	ug/L			01/27/15 16:44	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/27/15 16:44	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/27/15 16:44	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/27/15 16:44	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/27/15 16:44	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/27/15 16:44	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/27/15 16:44	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/27/15 16:44	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/27/15 16:44	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/27/15 16:44	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/27/15 16:44	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/27/15 16:44	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 16:44	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/27/15 16:44	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/27/15 16:44	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/27/15 16:44	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/27/15 16:44	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/27/15 16:44	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/27/15 16:44	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/27/15 16:44	1
Styrene	0.98	U	2.0	0.98	ug/L			01/27/15 16:44	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 16:44	1
Toluene	0.51	U	1.0	0.51	ug/L			01/27/15 16:44	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/27/15 16:44	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 16:44	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/27/15 16:44	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 16:44	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/27/15 16:44	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/27/15 16:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/27/15 16:44	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/27/15 16:44	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-20

Lab Sample ID: 660-65007-1

Date Collected: 01/21/15 08:52

Matrix: Ground Water

Date Received: 01/21/15 15:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	125		70 - 130		01/27/15 16:44	1
Dibromofluoromethane	100		70 - 130		01/27/15 16:44	1
Toluene-d8 (Surr)	77		70 - 130		01/27/15 16:44	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		01/27/15 11:53	01/27/15 18:57	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		01/27/15 11:53	01/27/15 18:57	1
1,2,3-Trichloropropane	0.091	U	0.20	0.091	ug/L		01/27/15 11:53	01/27/15 18:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	93		60 - 144	01/27/15 11:53	01/27/15 18:57	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31		2.5	1.0	mg/L			01/26/15 17:00	5

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		01/23/15 07:54	01/24/15 09:15	1
Arsenic	7.0		2.5	1.3	ug/L		01/23/15 07:54	01/24/15 09:15	1
Barium	16		5.0	1.3	ug/L		01/23/15 07:54	01/24/15 09:15	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/23/15 07:54	01/24/15 09:15	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/23/15 07:54	01/24/15 09:15	1
Chromium	2.5	U	5.0	2.5	ug/L		01/23/15 07:54	01/24/15 09:15	1
Cobalt	2.1		0.50	0.15	ug/L		01/23/15 07:54	01/24/15 09:15	1
Copper	1.1	U	5.0	1.1	ug/L		01/23/15 07:54	01/24/15 09:15	1
Iron	63000		100	33	ug/L		01/23/15 07:54	01/24/15 09:15	1
Lead	0.20	U	1.5	0.20	ug/L		01/23/15 07:54	01/24/15 09:15	1
Nickel	2.0	U	5.0	2.0	ug/L		01/23/15 07:54	01/24/15 09:15	1
Selenium	1.0	U	2.5	1.0	ug/L		01/23/15 07:54	01/24/15 09:15	1
Silver	0.25	U	1.0	0.25	ug/L		01/23/15 07:54	01/24/15 09:15	1
Sodium	8.7		0.50	0.25	mg/L		01/23/15 07:54	01/24/15 09:15	1
Thallium	0.50	U	1.0	0.50	ug/L		01/23/15 07:54	01/24/15 09:15	1
Vanadium	3.8	U	10	3.8	ug/L		01/23/15 07:54	01/24/15 09:15	1
Zinc	8.3	U	20	8.3	ug/L		01/23/15 07:54	01/24/15 09:15	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		01/23/15 10:19	01/23/15 16:37	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.95		0.10	0.052	mg/L			01/26/15 17:31	2
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/22/15 11:21	1
Total Dissolved Solids	210		5.0	5.0	mg/L			01/22/15 13:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/21/15 08:52	1
Field pH	5.91				SU			01/21/15 08:52	1
Field Temperature	24.3				Degrees C			01/21/15 08:52	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-20
Date Collected: 01/21/15 08:52
Date Received: 01/21/15 15:50

Lab Sample ID: 660-65007-1
Matrix: Ground Water

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oxygen, Dissolved	1.10				mg/L			01/21/15 08:52	1
Sheen	No				SU			01/21/15 08:52	1
Specific Conductance	419				umhos/cm			01/21/15 08:52	1
Turbidity	2.83				NTU			01/21/15 08:52	1
Water Level	112.73				ft			01/21/15 08:52	1

Client Sample Results

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-7
Date Collected: 01/21/15 11:01
Date Received: 01/21/15 15:50

Lab Sample ID: 660-65007-2
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			01/27/15 17:02	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/27/15 17:02	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/27/15 17:02	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/27/15 17:02	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/27/15 17:02	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/27/15 17:02	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/27/15 17:02	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/27/15 17:02	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/27/15 17:02	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/27/15 17:02	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/27/15 17:02	1
1,4-Dichlorobenzene	2.2		1.0	0.52	ug/L			01/27/15 17:02	1
2-Butanone	8.4	U	10	8.4	ug/L			01/27/15 17:02	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/27/15 17:02	1
Acetone	9.9	U	20	9.9	ug/L			01/27/15 17:02	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/27/15 17:02	1
Benzene	2.0		1.0	0.50	ug/L			01/27/15 17:02	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/27/15 17:02	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/27/15 17:02	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/27/15 17:02	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/27/15 17:02	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/27/15 17:02	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/27/15 17:02	1
Chlorobenzene	1.3		1.0	0.63	ug/L			01/27/15 17:02	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/27/15 17:02	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/27/15 17:02	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/27/15 17:02	1
cis-1,2-Dichloroethene	0.77	I	1.0	0.65	ug/L			01/27/15 17:02	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 17:02	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/27/15 17:02	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/27/15 17:02	1
Ethylbenzene	2.6		1.0	0.44	ug/L			01/27/15 17:02	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/27/15 17:02	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/27/15 17:02	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/27/15 17:02	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/27/15 17:02	1
Styrene	0.98	U	2.0	0.98	ug/L			01/27/15 17:02	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 17:02	1
Toluene	0.51	U	1.0	0.51	ug/L			01/27/15 17:02	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/27/15 17:02	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 17:02	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/27/15 17:02	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 17:02	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/27/15 17:02	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/27/15 17:02	1
Vinyl chloride	0.68	I	1.0	0.50	ug/L			01/27/15 17:02	1
Xylenes, Total	1.3	I	3.0	0.50	ug/L			01/27/15 17:02	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-7

Lab Sample ID: 660-65007-2

Date Collected: 01/21/15 11:01

Matrix: Ground Water

Date Received: 01/21/15 15:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		70 - 130		01/27/15 17:02	1
Dibromofluoromethane	98		70 - 130		01/27/15 17:02	1
Toluene-d8 (Surr)	90		70 - 130		01/27/15 17:02	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		01/27/15 11:53	01/27/15 19:05	1
1,2-Dibromo-3-Chloropropane	0.0051	U	0.020	0.0051	ug/L		01/27/15 11:53	01/27/15 19:05	1
1,2,3-Trichloropropane	0.091	U	0.20	0.091	ug/L		01/27/15 11:53	01/27/15 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	109		60 - 144	01/27/15 11:53	01/27/15 19:05	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.6		0.50	0.20	mg/L			01/26/15 17:46	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		01/23/15 07:54	01/24/15 09:21	1
Arsenic	6.4		2.5	1.3	ug/L		01/23/15 07:54	01/24/15 09:21	1
Barium	16		5.0	1.3	ug/L		01/23/15 07:54	01/24/15 09:21	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/23/15 07:54	01/24/15 09:21	1
Cadmium	0.095	U	0.50	0.095	ug/L		01/23/15 07:54	01/24/15 09:21	1
Chromium	2.5	U	5.0	2.5	ug/L		01/23/15 07:54	01/24/15 09:21	1
Cobalt	1.0		0.50	0.15	ug/L		01/23/15 07:54	01/24/15 09:21	1
Copper	1.1	U	5.0	1.1	ug/L		01/23/15 07:54	01/24/15 09:21	1
Iron	1900		100	33	ug/L		01/23/15 07:54	01/24/15 09:21	1
Lead	0.65	I	1.5	0.20	ug/L		01/23/15 07:54	01/24/15 09:21	1
Nickel	8.0		5.0	2.0	ug/L		01/23/15 07:54	01/24/15 09:21	1
Selenium	1.0	U	2.5	1.0	ug/L		01/23/15 07:54	01/24/15 09:21	1
Silver	0.25	U	1.0	0.25	ug/L		01/23/15 07:54	01/24/15 09:21	1
Sodium	9.3		0.50	0.25	mg/L		01/23/15 07:54	01/24/15 09:21	1
Thallium	0.50	U	1.0	0.50	ug/L		01/23/15 07:54	01/24/15 09:21	1
Vanadium	3.8	U	10	3.8	ug/L		01/23/15 07:54	01/24/15 09:21	1
Zinc	37		20	8.3	ug/L		01/23/15 07:54	01/24/15 09:21	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		01/23/15 10:19	01/23/15 16:41	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.13		0.050	0.026	mg/L			01/26/15 16:30	1
Nitrate as N	0.10	U	0.50	0.10	mg/L			01/22/15 11:25	1
Total Dissolved Solids	58		5.0	5.0	mg/L			01/22/15 13:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/21/15 11:01	1
Field pH	5.00				SU			01/21/15 11:01	1
Field Temperature	24.2				Degrees C			01/21/15 11:01	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-7

Lab Sample ID: 660-65007-2

Date Collected: 01/21/15 11:01

Matrix: Ground Water

Date Received: 01/21/15 15:50

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oxygen, Dissolved	0.38				mg/L			01/21/15 11:01	1
Sheen	No				SU			01/21/15 11:01	1
Specific Conductance	109				umhos/cm			01/21/15 11:01	1
Turbidity	1.56				NTU			01/21/15 11:01	1
Water Level	121.22				ft			01/21/15 11:01	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-3
Date Collected: 01/21/15 12:10
Date Received: 01/21/15 15:50

Lab Sample ID: 660-65007-3
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			01/27/15 17:21	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/27/15 17:21	1
1,1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/27/15 17:21	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/27/15 17:21	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/27/15 17:21	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/27/15 17:21	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/27/15 17:21	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/27/15 17:21	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/27/15 17:21	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/27/15 17:21	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/27/15 17:21	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/27/15 17:21	1
2-Butanone	8.4	U	10	8.4	ug/L			01/27/15 17:21	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/27/15 17:21	1
Acetone	9.9	U	20	9.9	ug/L			01/27/15 17:21	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/27/15 17:21	1
Benzene	0.50	U	1.0	0.50	ug/L			01/27/15 17:21	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/27/15 17:21	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/27/15 17:21	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/27/15 17:21	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/27/15 17:21	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/27/15 17:21	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/27/15 17:21	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/27/15 17:21	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/27/15 17:21	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/27/15 17:21	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/27/15 17:21	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/27/15 17:21	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 17:21	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/27/15 17:21	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/27/15 17:21	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/27/15 17:21	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/27/15 17:21	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/27/15 17:21	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/27/15 17:21	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/27/15 17:21	1
Styrene	0.98	U	2.0	0.98	ug/L			01/27/15 17:21	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 17:21	1
Toluene	0.51	U	1.0	0.51	ug/L			01/27/15 17:21	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/27/15 17:21	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 17:21	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/27/15 17:21	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 17:21	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/27/15 17:21	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/27/15 17:21	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/27/15 17:21	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/27/15 17:21	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-3

Lab Sample ID: 660-65007-3

Date Collected: 01/21/15 12:10

Matrix: Ground Water

Date Received: 01/21/15 15:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	122		70 - 130		01/27/15 17:21	1
Dibromofluoromethane	94		70 - 130		01/27/15 17:21	1
Toluene-d8 (Surr)	89		70 - 130		01/27/15 17:21	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		01/27/15 11:53	01/27/15 19:14	1
1,2-Dibromo-3-Chloropropane	0.0049	U	0.020	0.0049	ug/L		01/27/15 11:53	01/27/15 19:14	1
1,2,3-Trichloropropane	0.088	U	0.20	0.088	ug/L		01/27/15 11:53	01/27/15 19:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	109		60 - 144	01/27/15 11:53	01/27/15 19:14	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10		0.50	0.20	mg/L			01/26/15 18:01	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		01/23/15 07:54	01/24/15 09:26	1
Arsenic	1.3	U	2.5	1.3	ug/L		01/23/15 07:54	01/24/15 09:26	1
Barium	15		5.0	1.3	ug/L		01/23/15 07:54	01/24/15 09:26	1
Beryllium	0.25	U	0.50	0.25	ug/L		01/23/15 07:54	01/24/15 09:26	1
Cadmium	0.29	I	0.50	0.095	ug/L		01/23/15 07:54	01/24/15 09:26	1
Chromium	2.5	U	5.0	2.5	ug/L		01/23/15 07:54	01/24/15 09:26	1
Cobalt	0.40	I	0.50	0.15	ug/L		01/23/15 07:54	01/24/15 09:26	1
Copper	27		5.0	1.1	ug/L		01/23/15 07:54	01/24/15 09:26	1
Iron	33	U	100	33	ug/L		01/23/15 07:54	01/24/15 09:26	1
Lead	3.8		1.5	0.20	ug/L		01/23/15 07:54	01/24/15 09:26	1
Nickel	6.0		5.0	2.0	ug/L		01/23/15 07:54	01/24/15 09:26	1
Selenium	1.0	U	2.5	1.0	ug/L		01/23/15 07:54	01/24/15 09:26	1
Silver	0.25	U	1.0	0.25	ug/L		01/23/15 07:54	01/24/15 09:26	1
Sodium	6.5		0.50	0.25	mg/L		01/23/15 07:54	01/24/15 09:26	1
Thallium	0.50	U	1.0	0.50	ug/L		01/23/15 07:54	01/24/15 09:26	1
Vanadium	3.8	U	10	3.8	ug/L		01/23/15 07:54	01/24/15 09:26	1
Zinc	66		20	8.3	ug/L		01/23/15 07:54	01/24/15 09:26	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		01/23/15 10:19	01/23/15 16:44	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.11		0.050	0.026	mg/L			01/26/15 16:49	1
Nitrate as N	5.8		2.5	0.50	mg/L			01/22/15 12:29	5
Total Dissolved Solids	66		5.0	5.0	mg/L			01/22/15 13:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/21/15 12:10	1
Field pH	4.70				SU			01/21/15 12:10	1
Field Temperature	22.0				Degrees C			01/21/15 12:10	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-3

Lab Sample ID: 660-65007-3

Date Collected: 01/21/15 12:10

Matrix: Ground Water

Date Received: 01/21/15 15:50

Method: Field Sampling - Field Sampling (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oxygen, Dissolved	4.15				mg/L			01/21/15 12:10	1
Sheen	No				SU			01/21/15 12:10	1
Specific Conductance	56				umhos/cm			01/21/15 12:10	1
Turbidity	0.51				NTU			01/21/15 12:10	1
Water Level	112.54				ft			01/21/15 12:10	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: Trip Blank 012115

Lab Sample ID: 660-65007-4

Date Collected: 01/21/15 00:00

Matrix: Water

Date Received: 01/21/15 15:50

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			01/27/15 16:26	1
1,1,1-Trichloroethane	0.46	U	1.0	0.46	ug/L			01/27/15 16:26	1
1,1,2,2-Tetrachloroethane	0.15	U	1.0	0.15	ug/L			01/27/15 16:26	1
1,1,2-Trichloroethane	0.47	U	1.0	0.47	ug/L			01/27/15 16:26	1
1,1-Dichloroethane	0.52	U	1.0	0.52	ug/L			01/27/15 16:26	1
1,1-Dichloroethene	0.45	U	1.0	0.45	ug/L			01/27/15 16:26	1
1,2,3-Trichloropropane	0.18	U	1.0	0.18	ug/L			01/27/15 16:26	1
1,2-Dibromo-3-Chloropropane	2.5	U	5.0	2.5	ug/L			01/27/15 16:26	1
1,2-Dichlorobenzene	0.44	U	1.0	0.44	ug/L			01/27/15 16:26	1
1,2-Dichloroethane	0.57	U	1.0	0.57	ug/L			01/27/15 16:26	1
1,2-Dichloropropane	0.52	U	1.0	0.52	ug/L			01/27/15 16:26	1
1,4-Dichlorobenzene	0.52	U	1.0	0.52	ug/L			01/27/15 16:26	1
2-Butanone	8.4	U	10	8.4	ug/L			01/27/15 16:26	1
2-Hexanone	4.4	U	10	4.4	ug/L			01/27/15 16:26	1
Acetone	9.9	U	20	9.9	ug/L			01/27/15 16:26	1
Acrylonitrile	1.2	U	10	1.2	ug/L			01/27/15 16:26	1
Benzene	0.50	U	1.0	0.50	ug/L			01/27/15 16:26	1
Bromochloromethane	0.58	U	1.0	0.58	ug/L			01/27/15 16:26	1
Bromodichloromethane	0.35	U	1.0	0.35	ug/L			01/27/15 16:26	1
Bromoform	0.58	U	1.0	0.58	ug/L			01/27/15 16:26	1
Bromomethane	2.5	U	5.0	2.5	ug/L			01/27/15 16:26	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/27/15 16:26	1
Carbon tetrachloride	0.42	U	1.0	0.42	ug/L			01/27/15 16:26	1
Chlorobenzene	0.63	U	1.0	0.63	ug/L			01/27/15 16:26	1
Chloroethane	2.5	U	5.0	2.5	ug/L			01/27/15 16:26	1
Chloroform	0.90	U	1.0	0.90	ug/L			01/27/15 16:26	1
Chloromethane	1.0	U	4.0	1.0	ug/L			01/27/15 16:26	1
cis-1,2-Dichloroethene	0.65	U	1.0	0.65	ug/L			01/27/15 16:26	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 16:26	1
Dibromochloromethane	0.34	U	1.0	0.34	ug/L			01/27/15 16:26	1
Dibromomethane	0.41	U	1.0	0.41	ug/L			01/27/15 16:26	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/27/15 16:26	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/27/15 16:26	1
Iodomethane	2.5	U	5.0	2.5	ug/L			01/27/15 16:26	1
Methyl isobutyl ketone (MIBK)	3.8	U	10	3.8	ug/L			01/27/15 16:26	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/27/15 16:26	1
Styrene	0.98	U	2.0	0.98	ug/L			01/27/15 16:26	1
Tetrachloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 16:26	1
Toluene	0.51	U	1.0	0.51	ug/L			01/27/15 16:26	1
trans-1,2-Dichloroethene	0.44	U	1.0	0.44	ug/L			01/27/15 16:26	1
trans-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/27/15 16:26	1
trans-1,4-Dichloro-2-butene	2.5	U	10	2.5	ug/L			01/27/15 16:26	1
Trichloroethene	0.50	U	1.0	0.50	ug/L			01/27/15 16:26	1
Trichlorofluoromethane	2.5	U	5.0	2.5	ug/L			01/27/15 16:26	1
Vinyl acetate	1.5	U	10	1.5	ug/L			01/27/15 16:26	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/27/15 16:26	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/27/15 16:26	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: Trip Blank 012115

Lab Sample ID: 660-65007-4

Date Collected: 01/21/15 00:00

Matrix: Water

Date Received: 01/21/15 15:50

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene	117		70 - 130		01/27/15 16:26	1
Dibromofluoromethane	96		70 - 130		01/27/15 16:26	1
Toluene-d8 (Surr)	78		70 - 130		01/27/15 16:26	1

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

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>PQL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ethylene Dibromide	0.0022	U	0.020	0.0022	ug/L		01/27/15 11:53	01/27/15 19:22	1
1,2-Dibromo-3-Chloropropane	0.0050	U	0.020	0.0050	ug/L		01/27/15 11:53	01/27/15 19:22	1
1,2,3-Trichloropropane	0.091	U	0.20	0.091	ug/L		01/27/15 11:53	01/27/15 19:22	1

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Pentachloroethane	110		60 - 144	01/27/15 11:53	01/27/15 19:22	1

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-6
Date Collected: 01/21/15 10:28
Date Received: 01/21/15 15:50

Lab Sample ID: 660-65009-1
Matrix: Ground Water

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	1.3		0.50	0.079	ug/L			01/23/15 16:20	1
Bromoform	0.17	U	0.50	0.17	ug/L			01/23/15 16:20	1
Chloroform	2.0		0.50	0.20	ug/L			01/23/15 16:20	1
Dibromochloromethane	1.1		0.50	0.13	ug/L			01/23/15 16:20	1
Trihalomethanes, Total	4.4		0.50	0.079	ug/L			01/23/15 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130		01/23/15 16:20	1
1,2-Dichlorobenzene-d4	96		70 - 130		01/23/15 16:20	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		5.0	2.0	mg/L			01/26/15 17:54	10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.3	U	2.5	1.3	ug/L		01/23/15 07:32	01/24/15 05:50	1
Iron	2200		100	33	ug/L		01/23/15 07:32	01/24/15 05:50	1
Sodium	130		0.50	0.25	mg/L		01/23/15 07:32	01/24/15 05:50	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	460		5.0	5.0	mg/L			01/26/15 15:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/21/15 10:28	1
Field pH	4.38				SU			01/21/15 10:28	1
Field Temperature	23.6				Degrees C			01/21/15 10:28	1
Oxygen, Dissolved	1.37				mg/L			01/21/15 10:28	1
Sheen	No				SU			01/21/15 10:28	1
Specific Conductance	851				umhos/cm			01/21/15 10:28	1
Turbidity	0.43				NTU			01/21/15 10:28	1
Water Level	110.89				ft			01/21/15 10:28	1

Client Sample Results

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-18
Date Collected: 01/21/15 11:33
Date Received: 01/21/15 15:50

Lab Sample ID: 660-65010-1
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			01/27/15 15:30	1
Methylene Chloride	4.0	U J3	5.0	4.0	ug/L			01/27/15 15:30	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/27/15 15:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	121		70 - 130					01/27/15 15:30	1
Dibromofluoromethane	96		70 - 130					01/27/15 15:30	1
Toluene-d8 (Surr)	96		70 - 130					01/27/15 15:30	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/21/15 11:33	1
Field pH	4.79				SU			01/21/15 11:33	1
Field Temperature	23.1				Degrees C			01/21/15 11:33	1
Oxygen, Dissolved	2.27				mg/L			01/21/15 11:33	1
Sheen	No				SU			01/21/15 11:33	1
Specific Conductance	49				umhos/cm			01/21/15 11:33	1
Turbidity	19.4				NTU			01/21/15 11:33	1
Water Level	108.19				ft			01/21/15 11:33	1

Client Sample Results

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-19
Date Collected: 01/21/15 13:17
Date Received: 01/21/15 15:50

Lab Sample ID: 660-65010-2
Matrix: Ground Water

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0		1.0	0.50	ug/L			01/27/15 14:53	1
Methylene Chloride	7.3		5.0	4.0	ug/L			01/27/15 14:53	1
Vinyl chloride	1.2		1.0	0.50	ug/L			01/27/15 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	115		70 - 130					01/27/15 14:53	1
Dibromofluoromethane	104		70 - 130					01/27/15 14:53	1
Toluene-d8 (Surr)	94		70 - 130					01/27/15 14:53	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			01/21/15 13:17	1
Field pH	5.54				SU			01/21/15 13:17	1
Field Temperature	23.3				Degrees C			01/21/15 13:17	1
Oxygen, Dissolved	0.82				mg/L			01/21/15 13:17	1
Sheen	No				SU			01/21/15 13:17	1
Specific Conductance	67				umhos/cm			01/21/15 13:17	1
Turbidity	2.12				NTU			01/21/15 13:17	1
Water Level	106.24				ft			01/21/15 13:17	1

Client Sample Results

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: Trip Blank - 65010

Lab Sample ID: 660-65010-3

Date Collected: 01/21/15 00:00

Matrix: Water

Date Received: 01/21/15 15:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.50	U	1.0	0.50	ug/L			01/27/15 14:35	1
Methylene Chloride	4.0	U	5.0	4.0	ug/L			01/27/15 14:35	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			01/27/15 14:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		70 - 130					01/27/15 14:35	1
Dibromofluoromethane	122		70 - 130					01/27/15 14:35	1
Toluene-d8 (Surr)	119		70 - 130					01/27/15 14:35	1



Surrogate Summary

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Method: 524.2 - Total Trihalomethane Calculation

Matrix: Ground Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)	12DCB (70-130)
660-65009-1	MW-6	94	96

Surrogate Legend

BFB = 4-Bromofluorobenzene
 12DCB = 1,2-Dichlorobenzene-d4

Method: 524.2 - Total Trihalomethane Calculation

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)	12DCB (70-130)
LCS 680-368098/3	Lab Control Sample	101	98
LCSD 680-368098/4	Lab Control Sample Dup	97	100
MB 680-368098/8	Method Blank	95	95

Surrogate Legend

BFB = 4-Bromofluorobenzene
 12DCB = 1,2-Dichlorobenzene-d4

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)
660-64974-1	Field Blank 012015	93	104	95
660-64974-2	MW-10	92	104	95
660-64974-2 DU	MW-10	86	108	94
660-64974-3	MW-21	92	102	93
660-64974-3 MS	MW-21	94	99	100
660-64974-4	MW-17	93	106	95
660-64974-5	MW-15	89	106	96
660-64974-6	MW-11	89	106	95
660-64974-7	MW-12	89	106	95
660-64974-8	MW-13	90	109	94
660-64974-9	MW-14	89	105	94
660-65007-1	MW-20	125	100	77
660-65007-2	MW-7	96	98	90
660-65007-3	MW-3	122	94	89
660-65010-1	MW-18	121	96	96
660-65010-1 MS	MW-18	100	105	97
660-65010-2	MW-19	115	104	94
660-65010-2 DU	MW-19	112	98	91

Surrogate Legend

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

Surrogate Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

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)
660-64974-10	Trip Blank 012015	88	108	94
660-65007-4	Trip Blank 012115	117	96	78
660-65010-3	Trip Blank - 65010	98	122	119
LCS 660-155122/5	Lab Control Sample	97	97	100
LCS 660-155136/13	Lab Control Sample	104	96	95
MB 660-155122/7	Method Blank	94	103	95
MB 660-155136/15	Method Blank	121	102	114

Surrogate Legend

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

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	PCA1 (60-144)
660-64974-1	Field Blank 012015	105
660-64974-3	MW-21	123
660-64974-4	MW-17	107
660-64974-6	MW-11	116
660-64974-7	MW-12	107
660-64974-8	MW-13	112
660-64974-9	MW-14	115
660-64974-9 MS	MW-14	111
660-64974-9 MSD	MW-14	110
660-65007-3	MW-3	109

Surrogate Legend

PCA = Pentachloroethane

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	PCA2 (60-144)
660-64974-2	MW-10	111
660-64974-5	MW-15	108
660-65007-1	MW-20	93
660-65007-2	MW-7	109

Surrogate Legend

PCA = Pentachloroethane

TestAmerica Tampa

Surrogate Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

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	PCA1 (60-144)
660-64974-10	Trip Blank 012015	112
LCS 680-368459/2-A	Lab Control Sample	106
LCSD 680-368459/3-A	Lab Control Sample Dup	111
MB 680-368459/1-A	Method Blank	104

Surrogate Legend

PCA = Pentachloroethane

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	PCA2 (60-144)
660-65007-4	Trip Blank 012115	110
LCS 680-368458/11-A	Lab Control Sample	103
LCSD 680-368458/12-A	Lab Control Sample Dup	106
MB 680-368458/10-A	Method Blank	104

Surrogate Legend

PCA = Pentachloroethane

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Method: 524.2 - Total Trihalomethane Calculation

Lab Sample ID: MB 680-368098/8

Matrix: Water

Analysis Batch: 368098

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3romoUchloromethane	0.079	g	0.50	0.079	u8/L			01/2p/15 12:57	1
3romoørm	0.17	g	0.50	0.17	u8/L			01/2p/15 12:57	1
Chloroørm	0.20	g	0.50	0.20	u8/L			01/2p/15 12:57	1
Dibromochloromethane	0.1p	g	0.50	0.1p	u8/L			01/2p/15 12:57	1
Trihalomethanes, Total	0.079	g	0.50	0.079	u8/L			01/2p/15 12:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 1/0		01/2s/213 15:37	1
1,2,4-trichlorobenzene-T4	93		70 - 1/0		01/2s/213 15:37	1

Lab Sample ID: LCS 680-368098/3

Matrix: Water

Analysis Batch: 368098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
3romoUchloromethane	20.0	20.B		u8/L		104	70 - 1p0
3romoørm	20.0	21.1		u8/L		105	70 - 1p0
Chloroørm	20.0	20.B		u8/L		104	70 - 1p0
Dibromochloromethane	20.0	20.0		u8/L		100	70 - 1p0
Trihalomethanes, Total	80.0	82.7		u8/L		10p	70 - 1p0

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	101		70 - 1/0
1,2,4-trichlorobenzene-T4	9d		70 - 1/0

Lab Sample ID: LCSD 680-368098/4

Matrix: Water

Analysis Batch: 368098

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
3romoUchloromethane	20.0	20.4		u8/L		102	70 - 1p0	2	p0
3romoørm	20.0	21.p		u8/L		107	70 - 1p0	1	p0
Chloroørm	20.0	20.1		u8/L		101	70 - 1p0	p	p0
Dibromochloromethane	20.0	20.0		u8/L		100	70 - 1p0	0	p0
Trihalomethanes, Total	80.0	81.B		u8/L		102	70 - 1p0	1	p0

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	97		70 - 1/0
1,2,4-trichlorobenzene-T4	100		70 - 1/0

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

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

Lab Sample ID: MB 660-155122/7

Matrix: Water

Analysis Batch: 155122

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	0.6p	g	1.0	0.6p	u8/L			01/27/15 09:2p	1
1,1,1-Trichloroethane	0.46	g	1.0	0.46	u8/L			01/27/15 09:2p	1
1,1,2,2-Tetrachloroethane	0.15	g	1.0	0.15	u8/L			01/27/15 09:2p	1
1,1,2-Trichloroethane	0.47	g	1.0	0.47	u8/L			01/27/15 09:2p	1
1,1-Dichloroethane	0.52	g	1.0	0.52	u8/L			01/27/15 09:2p	1
1,1-Dichloroethene	0.45	g	1.0	0.45	u8/L			01/27/15 09:2p	1
1,2,p-Trichloroethane	0.1B	g	1.0	0.1B	u8/L			01/27/15 09:2p	1
1,2-Dibromo-p-Chloroethane	2.5	g	5.0	2.5	u8/L			01/27/15 09:2p	1
1,2-Dichlorobenzene	0.44	g	1.0	0.44	u8/L			01/27/15 09:2p	1
1,2-Dichloroethane	0.57	g	1.0	0.57	u8/L			01/27/15 09:2p	1
1,2-Dichloroethene	0.52	g	1.0	0.52	u8/L			01/27/15 09:2p	1
1,4-Dichlorobenzene	0.52	g	1.0	0.52	u8/L			01/27/15 09:2p	1
2-3utanone	B.4	g	10	B.4	u8/L			01/27/15 09:2p	1
2-d e f anone	4.4	g	10	4.4	u8/L			01/27/15 09:2p	1
Acetone	9.9	g	20	9.9	u8/L			01/27/15 09:2p	1
Acrylonitrile	1.2	g	10	1.2	u8/L			01/27/15 09:2p	1
3enxene	0.50	g	1.0	0.50	u8/L			01/27/15 09:2p	1
3romochloromethane	0.5B	g	1.0	0.5B	u8/L			01/27/15 09:2p	1
3romoUchloromethane	0.p5	g	1.0	0.p5	u8/L			01/27/15 09:2p	1
3romozorm	0.5B	g	1.0	0.5B	u8/L			01/27/15 09:2p	1
3romomethane	2.5	g	5.0	2.5	u8/L			01/27/15 09:2p	1
Carbon UsulzUe	1.0	g	2.0	1.0	u8/L			01/27/15 09:2p	1
Carbon tetrachloriUe	0.42	g	1.0	0.42	u8/L			01/27/15 09:2p	1
Chlorobenzene	0.6p	g	1.0	0.6p	u8/L			01/27/15 09:2p	1
Chloroethane	2.5	g	5.0	2.5	u8/L			01/27/15 09:2p	1
Chlorozorm	0.90	g	1.0	0.90	u8/L			01/27/15 09:2p	1
Chloromethane	1.0	g	4.0	1.0	u8/L			01/27/15 09:2p	1
cis-1,2-Dichloroethene	0.65	g	1.0	0.65	u8/L			01/27/15 09:2p	1
cis-1,p-Dichloroethene	0.14	g	1.0	0.14	u8/L			01/27/15 09:2p	1
Dibromochloromethane	0.p4	g	1.0	0.p4	u8/L			01/27/15 09:2p	1
Dibromomethane	0.41	g	1.0	0.41	u8/L			01/27/15 09:2p	1
Ethylbenzene	0.44	g	1.0	0.44	u8/L			01/27/15 09:2p	1
Ethylene DibromiUe	0.50	g	1.0	0.50	u8/L			01/27/15 09:2p	1
loUomethane	2.5	g	5.0	2.5	u8/L			01/27/15 09:2p	1
Methyl isobutyl ketone (MI3K)	p.B	g	10	p.B	u8/L			01/27/15 09:2p	1
Methylene ChloriUe	4.0	g	5.0	4.0	u8/L			01/27/15 09:2p	1
Styrene	0.9B	g	2.0	0.9B	u8/L			01/27/15 09:2p	1
Tetrachloroethene	0.50	g	1.0	0.50	u8/L			01/27/15 09:2p	1
Toluene	0.51	g	1.0	0.51	u8/L			01/27/15 09:2p	1
trans-1,2-Dichloroethene	0.44	g	1.0	0.44	u8/L			01/27/15 09:2p	1
trans-1,p-Dichloroethene	0.14	g	1.0	0.14	u8/L			01/27/15 09:2p	1
trans-1,4-Dichloro-2-butene	2.5	g	10	2.5	u8/L			01/27/15 09:2p	1
Trichloroethene	0.50	g	1.0	0.50	u8/L			01/27/15 09:2p	1
Trichlorozuoromethane	2.5	g	5.0	2.5	u8/L			01/27/15 09:2p	1
Vinyl acetate	1.5	g	10	1.5	u8/L			01/27/15 09:2p	1
Vinyl chloriUe	0.50	g	1.0	0.50	u8/L			01/27/15 09:2p	1
Xylenes, Total	0.50	g	p.0	0.50	u8/L			01/27/15 09:2p	1

TestAmerica TamHa

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

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

Lab Sample ID: MB 660-155122/7

Matrix: Water

Analysis Batch: 155122

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 1/0		01/27/13 09:5/	1
i t bromofluorome&(ne	10/		70 - 1/0		01/27/13 09:5/	1
Soluene-Td)Purrc	93		70 - 1/0		01/27/13 09:5/	1

Lab Sample ID: LCS 660-155122/5

Matrix: Water

Analysis Batch: 155122

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	10.0	10.2		u8/L		102	70 - 1p0
1,1,1-Trichloroethane	10.0	10.B		u8/L		10B	6p - 1p2
1,1,2,2-Tetrachloroethane	10.0	10.4		u8/L		104	70 - 1p0
1,1,2-Trichloroethane	10.0	10.5		u8/L		105	70 - 1p0
1,1-Dichloroethane	10.0	10.7		u8/L		107	66 - 1p0
1,1-Dichloroethene	10.0	9.0B		u8/L		91	51 - 150
1,2,p-TrichloroHoHane	10.0	10.6		u8/L		106	66 - 1p0
1,2-Dibromo-p-ChloroHoHane	10.0	B.27		u8/L		Bp	6p - 1p0
1,2-Dichlorobenzene	10.0	10.9		u8/L		109	70 - 1p0
1,2-Dichloroethane	10.0	10.4		u8/L		104	70 - 1p0
1,2-DichloroHoHane	10.0	11.2		u8/L		112	70 - 1p0
1,4-Dichlorobenzene	10.0	10.9		u8/L		109	70 - 1p0
2-3 utanone	100	109		u8/L		109	6p - 140
2-d ef anone	100	102		u8/L		102	60 - 14B
Acetone	100	B5.9		u8/L		B6	62 - 142
Acrylonitrile	100	104		u8/L		104	59 - 146
3 enxene	10.0	11.p		u8/L		11p	6B - 1p4
3romochloromethane	10.0	10.5		u8/L		105	70 - 1p0
3romoUchloromethane	10.0	10.p		u8/L		10p	70 - 1p0
3romozrm	10.0	B.02		u8/L		B0	65 - 1p0
3romomethane	10.0	5.20		u8/L		52	22 - 150
Carbon UsulzUe	10.0	11.4		u8/L		114	p0 - 150
Carbon tetrachloriUe	10.0	11.0		u8/L		110	61 - 1p4
Chlorobenzene	10.0	10.9		u8/L		109	70 - 1p0
Chloroethane	10.0	10.5		u8/L		105	p9 - 150
Chlorozrm	10.0	10.7		u8/L		107	6B - 1p0
Chloromethane	10.0	B.94		u8/L		B9	p5 - 150
cis-1,2-Dichloroethene	10.0	10.9		u8/L		109	66 - 1p0
cis-1,p-DichloroHoHane	10.0	9.62		u8/L		96	70 - 1p0
Dibromochloromethane	10.0	10.5		u8/L		105	70 - 1p0
Dibromomethane	10.0	10.4		u8/L		104	70 - 1p0
Ethylbenzene	10.0	9.72		u8/L		97	70 - 1p0
Ethylene DibromiUe	10.0	10.5		u8/L		105	66 - 1p0
IoUomethane	10.0	4.01	I Jp	u8/L		40	50 - 150
Methyl isobutyl ketone (MI3K)	100	10B		u8/L		10B	64 - 1p7
Methylene ChloriUe	10.0	9.9B		u8/L		100	57 - 1p0
Styrene	10.0	9.76		u8/L		9B	6B - 1p1
Tetrachloroethene	10.0	11.6		u8/L		116	50 - 14p
Toluene	10.0	11.p		u8/L		11p	70 - 1p1

TestAmerica TamHå

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

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

Lab Sample ID: LCS 660-155122/5

Matrix: Water

Analysis Batch: 155122

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	10.0	11.p		u8/L		11p	62 - 1p9
trans-1,p-Dichloroethene	10.0	9.54		u8/L		95	67 - 1p0
trans-1,4-Dichloro-2-butene	10.0	B.72	I	u8/L		B7	70 - 1p0
Trichloroethene	10.0	11.4		u8/L		114	6p - 1p9
Trichloroethane	10.0	10.p		u8/L		10p	62 - 146
Vinyl acetate	20.0	1p.6		u8/L		6B	p1 - 146
Vinyl chloride	10.0	10.7		u8/L		107	4B - 147

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	97		70 - 1/0
1,1,1-Trifluoroethane	97		70 - 1/0
1,1,2-Trichloroethane	100		70 - 1/0

Lab Sample ID: 660-64974-3 MS

Matrix: Ground Water

Analysis Batch: 155122

Client Sample ID: MW-21

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.6p	g	10.0	9.21		u8/L		92	70 - 1p0
1,1,1-Trichloroethane	0.46	g	10.0	B.74		u8/L		B7	6p - 1p2
1,1,2,2-Tetrachloroethane	0.15	g	10.0	B.7p		u8/L		B7	70 - 1p0
1,1,2-Trichloroethane	0.47	g	10.0	9.76		u8/L		9B	70 - 1p0
1,1-Dichloroethane	0.52	g	10.0	9.24		u8/L		92	66 - 1p0
1,1-Dichloroethene	0.45	g	10.0	7.p4		u8/L		7p	51 - 150
1,2,p-Trichloroethane	0.1B	g	10.0	9.44		u8/L		94	66 - 1p0
1,2-Dibromo-p-Chloroethane	2.5	g	10.0	6.95		u8/L		70	6p - 1p0
1,2-Dichlorobenzene	0.44	g	10.0	9.51		u8/L		95	70 - 1p0
1,2-Dichloroethane	0.57	g	10.0	9.11		u8/L		91	70 - 1p0
1,2-Dichloroethene	0.52	g	10.0	9.45		u8/L		94	70 - 1p0
1,4-Dichlorobenzene	10		10.0	1B.B		u8/L		B7	70 - 1p0
2-3utanone	B.4	g	100	B7.0		u8/L		B7	6p - 140
2-Defanone	4.4	g	100	B4.p		u8/L		B4	60 - 14B
Acetone	9.9	g	100	67.7		u8/L		6B	62 - 142
Acrylonitrile	1.2	g	100	B7.4		u8/L		B7	59 - 146
3enxene	1.5		10.0	11.2		u8/L		97	6B - 1p4
3romochloromethane	0.5B	g	10.0	9.p5		u8/L		9p	70 - 1p0
3romoUchloromethane	0.p5	g	10.0	B.70		u8/L		B7	70 - 1p0
3romozorm	0.5B	g	10.0	6.52		u8/L		65	65 - 1p0
3romomethane	2.5	g	10.0	p.2p	I	u8/L		p2	22 - 150
Carbon UsulzUe	1.0	g	10.0	B.BB		u8/L		B9	p0 - 150
Carbon tetrachlorUe	0.42	g	10.0	9.2p		u8/L		92	61 - 1p4
Chlorobenzene	1.5		10.0	11.0		u8/L		95	70 - 1p0
Chloroethane	2.5	g	10.0	10.2		u8/L		102	p9 - 150
Chlorozorm	0.90	g	10.0	9.45		u8/L		95	6B - 1p0
Chloromethane	1.0	g	10.0	B.20		u8/L		B2	p5 - 150
cis-1,2-Dichloroethene	1.2		10.0	9.99		u8/L		BB	66 - 1p0
cis-1,p-Dichloroethene	0.14	g	10.0	7.p6		u8/L		74	70 - 1p0
Dibromochloromethane	0.p4	g	10.0	B.Bp		u8/L		BB	70 - 1p0

TestAmerica TamHa

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

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

Lab Sample ID: 660-64974-3 MS

Matrix: Ground Water

Analysis Batch: 155122

Client Sample ID: MW-21

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
Dibromomethane	0.41	g	10.0	B,B4		u8/L		BB	70 - 1p0
Ethylbenzene	0.44	g	10.0	B,04		u8/L		B0	70 - 1p0
Ethylene Dibromide	0.50	g	10.0	9.06		u8/L		91	66 - 1p0
Iodobromomethane	2.5	g Jp	10.0	2.5	g Jp	u8/L		0	50 - 150
Methyl isobutyl ketone (MI3K)	p.B	g	100	B6.7		u8/L		B7	64 - 1p7
Methylene Chloride	4.0	g	10.0	B,p6		u8/L		B4	57 - 1p0
Styrene	0.9B	g	10.0	7.6B		u8/L		77	6B - 1p1
Tetrachloroethene	0.50	g	10.0	9.22		u8/L		92	50 - 14p
Toluene	0.51	g	10.0	9,p5		u8/L		9p	70 - 1p1
trans-1,2-Dichloroethene	0.44	g	10.0	9,p5		u8/L		9p	62 - 1p9
trans-1,p-Dichloroethene	0.14	g	10.0	7.55		u8/L		76	67 - 1p0
trans-1,4-Dichloro-2-butene	2.5	g	10.0	7.12	l	u8/L		71	70 - 1p0
Trichloroethene	0.50	g	10.0	9.19		u8/L		92	6p - 1p9
Trichlorofluoromethane	2.5	g	10.0	9.01		u8/L		90	62 - 146
Vinyl acetate	1.5	g	20.0	10.7		u8/L		54	p1 - 146
Vinyl chloride	0.55	l	10.0	10.5		u8/L		99	4B - 147

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	94		70 - 1/0
1,1,1-trifluoroethane	99		70 - 1/0
Solvent-D (Purc)	100		70 - 1/0

Lab Sample ID: 660-64974-2 DU

Matrix: Ground Water

Analysis Batch: 155122

Client Sample ID: MW-10

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
1,1,1,2-Tetrachloroethane	0.6p	g	0.6p	g	u8/L		NC	p0
1,1,1-Trichloroethane	0.46	g	0.46	g	u8/L		NC	p0
1,1,2,2-Tetrachloroethane	0.15	g	0.15	g	u8/L		NC	p0
1,1,2-Trichloroethane	0.47	g	0.47	g	u8/L		NC	p0
1,1-Dichloroethane	1.1		1.09		u8/L		1	p0
1,1-Dichloroethene	0.45	g	0.45	g	u8/L		NC	p0
1,2,p-Trichloroethane	0.1B	g	0.1B	g	u8/L		NC	p0
1,2-Dibromo-p-Chloroethane	2.5	g	2.5	g	u8/L		NC	p0
1,2-Dichlorobenzene	0.44	g	0.44	g	u8/L		NC	p0
1,2-Dichloroethane	0.57	g	0.57	g	u8/L		NC	p0
1,2-Dichloroethene	0.52	g	0.52	g	u8/L		NC	p0
1,4-Dichlorobenzene	7.p		7.44		u8/L		2	p0
2-3utanone	B.4	g	B.4	g	u8/L		NC	p0
2-d e f anone	4.4	g	4.4	g	u8/L		NC	p0
Acetone	9.9	g	9.9	g	u8/L		NC	p0
Acrylonitrile	1.2	g	1.2	g	u8/L		NC	p0
3enxene	1.p		1.19		u8/L		7	p0
3romochloromethane	0.5B	g	0.5B	g	u8/L		NC	p0
3romoUchloromethane	0.p5	g	0.p5	g	u8/L		NC	p0
3romozorm	0.5B	g	0.5B	g	u8/L		NC	p0
3romomethane	2.5	g	2.5	g	u8/L		NC	p0

TestAmerica TamH

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

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

Lab Sample ID: 660-64974-2 DU
Matrix: Ground Water
Analysis Batch: 155122

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

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Carbon Disulfide	1.0	g	1.0	g	u8/L		NC	p0
Carbon tetrachloride	0.42	g	0.42	g	u8/L		NC	p0
Chlorobenzene	0.6p	g	0.6p	g	u8/L		NC	p0
Chloroethane	2.5	g	2.5	g	u8/L		NC	p0
Chloroform	0.90	g	0.90	g	u8/L		NC	p0
Chloromethane	1.0	g	1.0	g	u8/L		NC	p0
cis-1,2-Dichloroethene	p.4		p.p1		u8/L		p	p0
cis-1,p-Dichloroethene	0.14	g	0.14	g	u8/L		NC	p0
Dibromochloromethane	0.p4	g	0.p4	g	u8/L		NC	p0
Dibromomethane	0.41	g	0.41	g	u8/L		NC	p0
Ethylbenzene	0.44	g	0.44	g	u8/L		NC	p0
Ethylene Dibromide	0.50	g	0.50	g	u8/L		NC	p0
Iodomethane	2.5	g Jp	2.5	g Jp	u8/L		NC	p0
Methyl isobutyl ketone (MI3K)	p.B	g	p.B	g	u8/L		NC	p0
Methylene Chloride	4.0	g	4.0	g	u8/L		NC	p0
Styrene	0.9B	g	0.9B	g	u8/L		NC	p0
Tetrachloroethene	0.50	g	0.50	g	u8/L		NC	p0
Toluene	0.51	g	0.51	g	u8/L		NC	p0
trans-1,2-Dichloroethene	0.44	g	0.44	g	u8/L		NC	p0
trans-1,p-Dichloroethene	0.14	g	0.14	g	u8/L		NC	p0
trans-1,4-Dichloro-2-butene	2.5	g	2.5	g	u8/L		NC	p0
Trichloroethene	0.50	g	0.50	g	u8/L		NC	p0
Trichlorofluoromethane	2.5	g	2.5	g	u8/L		NC	p0
Vinyl acetate	1.5	g	1.5	g	u8/L		NC	p0
Vinyl chloride	1.B		1.6B		u8/L		B	p0
Xylenes, Total	p.1		p.07		u8/L		1	p0

Surrogate	%Recovery	DU Qualifier	Limits
4-Bromofluorobenzene	d6		70 - 110
i-bromofluorobenzene	10d		70 - 110
Solene-Td Purrc	94		70 - 110

Lab Sample ID: MB 660-155136/15
Matrix: Water
Analysis Batch: 155136

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	0.6p	g	1.0	0.6p	u8/L			01/27/15 14:17	1
1,1,1-Trichloroethane	0.47	g	1.0	0.47	u8/L			01/27/15 14:17	1
1,1,2,2-Tetrachloroethane	0.17	g	1.0	0.17	u8/L			01/27/15 14:17	1
1,1,2-Trichloroethane	0.47	g	1.0	0.47	u8/L			01/27/15 14:17	1
1,1-Dichloroethane	0.52	g	1.0	0.52	u8/L			01/27/15 14:17	1
1,1-Dichloroethene	0.67	g	1.0	0.67	u8/L			01/27/15 14:17	1
1,2,p-Trichloroethane	0.44	g	1.0	0.44	u8/L			01/27/15 14:17	1
1,2-Dibromo-p-Chloroethane	2.5	g	5.0	2.5	u8/L			01/27/15 14:17	1
1,2-Dichlorobenzene	0.49	g	1.0	0.49	u8/L			01/27/15 14:17	1
1,2-Dichloroethane	0.57	g	1.0	0.57	u8/L			01/27/15 14:17	1
1,2-Dichloroethene	0.52	g	1.0	0.52	u8/L			01/27/15 14:17	1

TestAmerica TamH

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

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

Lab Sample ID: MB 660-155136/15

Matrix: Water

Analysis Batch: 155136

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.60	g	1.0	0.60	u8/L			01/27/15 14:17	1
2-3 utanone	B.4	g	10	B.4	u8/L			01/27/15 14:17	1
2-d ef anone	4.4	g	10	4.4	u8/L			01/27/15 14:17	1
Acetone	9.9	g	20	9.9	u8/L			01/27/15 14:17	1
Acrylonitrile	4.5	g	10	4.5	u8/L			01/27/15 14:17	1
3enxene	0.50	g	1.0	0.50	u8/L			01/27/15 14:17	1
3romochloromethane	0.5B	g	1.0	0.5B	u8/L			01/27/15 14:17	1
3romoUchloromethane	0.44	g	1.0	0.44	u8/L			01/27/15 14:17	1
3romozrm	0.6p	g	1.0	0.6p	u8/L			01/27/15 14:17	1
3romomethane	2.5	g	5.0	2.5	u8/L			01/27/15 14:17	1
Carbon UsulzUe	1.0	g	2.0	1.0	u8/L			01/27/15 14:17	1
Carbon tetrachloriUe	0.4p	g	1.0	0.4p	u8/L			01/27/15 14:17	1
Chlorobenzene	0.6p	g	1.0	0.6p	u8/L			01/27/15 14:17	1
Chloroethane	2.5	g	5.0	2.5	u8/L			01/27/15 14:17	1
Chlorozrm	0.90	g	1.0	0.90	u8/L			01/27/15 14:17	1
Chloromethane	1.0	g	4.0	1.0	u8/L			01/27/15 14:17	1
cis-1,2-Dichloroethene	0.65	g	1.0	0.65	u8/L			01/27/15 14:17	1
cis-1,p-DichloroHoHene	0.p9	g	1.0	0.p9	u8/L			01/27/15 14:17	1
Dibromochloromethane	0.p1	g	1.0	0.p1	u8/L			01/27/15 14:17	1
Dibromomethane	0.46	g	1.0	0.46	u8/L			01/27/15 14:17	1
Ethylbenzene	0.44	g	1.0	0.44	u8/L			01/27/15 14:17	1
Ethylene DibromiUe	0.50	g	1.0	0.50	u8/L			01/27/15 14:17	1
IoUomethane	2.5	g	5.0	2.5	u8/L			01/27/15 14:17	1
Methyl isobutyl ketone (MI3K)	4.0	g	10	4.0	u8/L			01/27/15 14:17	1
Methylene ChloriUe	4.0	g	5.0	4.0	u8/L			01/27/15 14:17	1
Styrene	0.9B	g	2.0	0.9B	u8/L			01/27/15 14:17	1
Tetrachloroethene	0.50	g	1.0	0.50	u8/L			01/27/15 14:17	1
Toluene	0.51	g	1.0	0.51	u8/L			01/27/15 14:17	1
trans-1,2-Dichloroethene	0.67	g	1.0	0.67	u8/L			01/27/15 14:17	1
trans-1,p-DichloroHoHene	0.27	g	1.0	0.27	u8/L			01/27/15 14:17	1
trans-1,4-Dichloro-2-butene	2.5	g	10	2.5	u8/L			01/27/15 14:17	1
Trichloroethene	0.61	g	1.0	0.61	u8/L			01/27/15 14:17	1
Trichlorozuoromethane	2.5	g	5.0	2.5	u8/L			01/27/15 14:17	1
Vinyl acetate	1.5	g	10	1.5	u8/L			01/27/15 14:17	1
Vinyl chloriUe	0.50	g	1.0	0.50	u8/L			01/27/15 14:17	1
Xylenes, Total	0.50	g	p.0	0.50	u8/L			01/27/15 14:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	151		70 - 1/0		01/27/15 14:17	1
i tbromofluorome@ (ne	105		70 - 1/0		01/27/15 14:17	1
Soluene-Td)Purr	114		70 - 1/0		01/27/15 14:17	1

Lab Sample ID: LCS 660-155136/13

Matrix: Water

Analysis Batch: 155136

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	10.0	10.4		u8/L		104	70 - 1p0

TestAmerica TamHa

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

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

Lab Sample ID: LCS 660-155136/13

Matrix: Water

Analysis Batch: 155136

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-Trichloroethane	10.0	11.0		u8/L		110	6p - 1p2
1,1,2,2-Tetrachloroethane	10.0	10.B		u8/L		10B	70 - 1p0
1,1,2-Trichloroethane	10.0	10.p		u8/L		10p	70 - 1p0
1,1-Dichloroethane	10.0	11.0		u8/L		110	66 - 1p0
1,1-Dichloroethene	10.0	10.p		u8/L		10p	51 - 150
1,2,p-TrichloroHroHane	10.0	10.9		u8/L		109	66 - 1p0
1,2-Dibromo-p-ChloroHroHane	10.0	7.94		u8/L		79	6p - 1p0
1,2-Dichlorobenzene	10.0	10.p		u8/L		10p	70 - 1p0
1,2-Dichloroethane	10.0	11.0		u8/L		110	70 - 1p0
1,2-DichloroHroHane	10.0	12.1		u8/L		121	70 - 1p0
1,4-Dichlorobenzene	10.0	10.4		u8/L		104	70 - 1p0
2-3utanone	100	101		u8/L		101	6p - 140
2-d ef anone	100	B7.1		u8/L		B7	60 - 14B
Acetone	100	B5.1		u8/L		B5	62 - 142
Acrylonitrile	100	97.2		u8/L		97	59 - 146
3enxene	10.0	11.2		u8/L		112	6B - 1p4
3romochloromethane	10.0	10.1		u8/L		101	70 - 1p0
3romoUchloromethane	10.0	10.p		u8/L		10p	70 - 1p0
3romozorm	10.0	9.70		u8/L		97	65 - 1p0
3romomethane	10.0	B.BB		u8/L		B9	22 - 150
Carbon UsulzUe	10.0	11.0		u8/L		110	p0 - 150
Carbon tetrachlorUe	10.0	11.0		u8/L		110	61 - 1p4
Chlorobenzene	10.0	10.B		u8/L		10B	70 - 1p0
Chloroethane	10.0	B.4p		u8/L		B4	p9 - 150
Chlorozorm	10.0	10.6		u8/L		106	6B - 1p0
Chloromethane	10.0	7.7p		u8/L		77	p5 - 150
cis-1,2-Dichloroethene	10.0	11.p		u8/L		11p	66 - 1p0
cis-1,p-DichloroHroHane	10.0	11.2		u8/L		112	70 - 1p0
Dibromochloromethane	10.0	9.67		u8/L		97	70 - 1p0
Dibromomethane	10.0	11.2		u8/L		112	70 - 1p0
Ethylbenzene	10.0	11.0		u8/L		110	70 - 1p0
Ethylene DibromiUe	10.0	10.2		u8/L		102	66 - 1p0
IoUomethane	10.0	10.B		u8/L		10B	50 - 150
Methyl isobutyl ketone (MI3K)	100	95.4		u8/L		95	64 - 1p7
Methylene ChloriUe	10.0	9.B7		u8/L		99	57 - 1p0
Styrene	10.0	10.6		u8/L		106	6B - 1p1
Tetrachloroethene	10.0	10.7		u8/L		107	50 - 14p
Toluene	10.0	10.7		u8/L		107	70 - 1p1
trans-1,2-Dichloroethene	10.0	10.7		u8/L		107	62 - 1p9
trans-1,p-DichloroHroHane	10.0	12.0		u8/L		120	67 - 1p0
trans-1,4-Dichloro-2-butene	10.0	10.9		u8/L		109	70 - 1p0
Trichloroethene	10.0	11.0		u8/L		110	6p - 1p9
Trichlorozuoromethane	10.0	B.7p		u8/L		B7	62 - 146
Vinyl acetate	20.0	17.6		u8/L		BB	p1 - 146
Vinyl chloriUe	10.0	B.p5		u8/L		B4	4B - 147

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	104		70 - 1/0

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QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

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

Lab Sample ID: LCS 660-155136/13

Matrix: Water

Analysis Batch: 155136

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
i t bromofluorome&(ne	96		70 - 1/0
Soluene-Td)Purrc	93		70 - 1/0

Lab Sample ID: 660-65010-1 MS

Matrix: Ground Water

Analysis Batch: 155136

Client Sample ID: MW-18

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	0.6p	g	9.BB	11.1		u8/L		112	70 - 1p0
1,1,1-Trichloroethane	0.47	g	9.BB	12.5		u8/L		127	6p - 1p2
1,1,2,2-Tetrachloroethane	0.17	g	9.BB	9.B9		u8/L		100	70 - 1p0
1,1,2-Trichloroethane	0.47	g	9.BB	11.0		u8/L		111	70 - 1p0
1,1-Dichloroethane	0.52	g Jp	9.BB	15.p	Jp	u8/L		155	66 - 1p0
1,1-Dichloroethene	0.67	g Jp	9.BB	15.1	Jp	u8/L		15p	51 - 150
1,2,p-TrichloroHoHane	0.44	g	9.BB	10.B		u8/L		109	66 - 1p0
1,2-Dibromo-p-ChloroHoHane	2.5	g	9.BB	B.91		u8/L		90	6p - 1p0
1,2-Dichlorobenzene	0.49	g	9.BB	10.6		u8/L		10B	70 - 1p0
1,2-Dichloroethane	0.57	g	9.BB	11.p		u8/L		115	70 - 1p0
1,2-DichloroHoHane	0.52	g	9.BB	11.p		u8/L		115	70 - 1p0
1,4-Dichlorobenzene	0.60	g	9.BB	11.1		u8/L		11p	70 - 1p0
2-3 utanone	B.4	g	9B.B	104		u8/L		106	6p - 140
2-d ef anone	4.4	g	9B.B	76.0		u8/L		77	60 - 14B
Acetone	9.9	g	9B.B	102		u8/L		10p	62 - 142
Acrylonitrile	4.5	g	9B.B	125		u8/L		126	59 - 146
3enxene	0.50	g	9.BB	11.B		u8/L		119	6B - 1p4
3romochloromethane	0.5B	g	9.BB	11.2		u8/L		11p	70 - 1p0
3romoUchloromethane	0.44	g	9.BB	11.2		u8/L		11p	70 - 1p0
3romozrm	0.6p	g	9.BB	10.p		u8/L		105	65 - 1p0
3romomethane	2.5	g	9.BB	12.B		u8/L		129	22 - 150
Carbon UsulzUe	1.0	g Jp	9.BB	15.p	Jp	u8/L		155	p0 - 150
Carbon tetrachloriUe	0.4p	g Jp	9.BB	1p.4	Jp	u8/L		1p6	61 - 1p4
Chlorobenzene	0.6p	g	9.BB	11.4		u8/L		115	70 - 1p0
Chloroethane	2.5	g	9.BB	12.7		u8/L		129	p9 - 150
Chlorozrm	0.90	g	9.BB	11.7		u8/L		11B	6B - 1p0
Chloromethane	1.0	g	9.BB	11.5		u8/L		116	p5 - 150
cis-1,2-Dichloroethene	0.65	g Jp	9.BB	1p.2	Jp	u8/L		1pp	66 - 1p0
cis-1,p-DichloroHoHane	0.p9	g	9.BB	11.2		u8/L		11p	70 - 1p0
Dibromochloromethane	0.p1	g	9.BB	11.9		u8/L		120	70 - 1p0
Dibromomethane	0.46	g	9.BB	11.5		u8/L		117	70 - 1p0
Ethylbenzene	0.44	g	9.BB	11.5		u8/L		117	70 - 1p0
Ethylene DibromiUe	0.50	g	9.BB	11.7		u8/L		119	66 - 1p0
IoUomethane	2.5	g Jp	9.BB	15.2	Jp	u8/L		15p	50 - 150
Methyl isobutyl ketone (MI3K)	4.0	g	9B.B	B.6.2		u8/L		B7	64 - 1p7
Methylene ChloriUe	4.0	g Jp	9.BB	1p.5	Jp	u8/L		1p6	57 - 1p0
Styrene	0.9B	g	9.BB	9.17		u8/L		9p	6B - 1p1
Tetrachloroethene	0.50	g	9.BB	12.9		u8/L		1p0	50 - 14p
Toluene	0.51	g	9.BB	11.4		u8/L		116	70 - 1p1
trans-1,2-Dichloroethene	0.67	g Jp	9.BB	15.0	Jp	u8/L		152	62 - 1p9

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QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

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

Lab Sample ID: 660-65010-2 DU
Matrix: Ground Water
Analysis Batch: 155136

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

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Ethylbenzene	0.44	g	0.44	g	u8/L		NC	p0
Ethylene Dibromide	0.50	g	0.50	g	u8/L		NC	p0
Isobutane	2.5	g	2.5	g	u8/L		NC	p0
Methyl isobutyl ketone (MI3K)	4.0	g	4.0	g	u8/L		NC	p0
Methylene Chloride	7.0	g	5.0	g	u8/L		21	p0
Styrene	0.98	g	0.98	g	u8/L		NC	p0
Tetrachloroethene	0.56	g	0.50	g	u8/L		NC	p0
Toluene	0.51	g	0.51	g	u8/L		NC	p0
trans-1,2-Dichloroethene	0.67	g	0.67	g	u8/L		NC	p0
trans-1,p-Dichloroethene	0.27	g	0.27	g	u8/L		NC	p0
trans-1,4-Dichloro-2-butene	2.5	g	2.5	g	u8/L		NC	p0
Trichloroethene	0.61	g	0.61	g	u8/L		NC	p0
Trichloroethane	2.5	g	2.5	g	u8/L		NC	p0
Vinyl acetate	1.5	g	1.5	g	u8/L		NC	p0
Vinyl chloride	1.2	g	0.9	g	u8/L		17	p0
Xylenes, Total	5.0	g	5.17	g	u8/L		11	p0

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	115		70 - 110
1,1-Dibromo-2,2,2-trifluoroethane	90		70 - 110
Solvent-D	91		70 - 110

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

Lab Sample ID: MB 680-368458/10-A
Matrix: Water
Analysis Batch: 368500

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 368458

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ethylene Dibromide	0.0022	g	0.020	0.0022	u8/L		01/27/15 11:5p	01/27/15 17:4B	1
1,2-Dibromo-p-Chloroethane	0.0050	g	0.020	0.0050	u8/L		01/27/15 11:5p	01/27/15 17:4B	1
1,2,p-Trichloroethane	0.090	g	0.20	0.090	u8/L		01/27/15 11:5p	01/27/15 17:4B	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,1,1-trichloroethane	104		60 - 144	01/27/15 11:3p	01/27/15 17:4d	1

Lab Sample ID: LCS 680-368458/11-A
Matrix: Water
Analysis Batch: 368500

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368458

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-p-Chloroethane	0.100	0.101	u8/L		101	70 - 14B	
1,2,p-Trichloroethane	0.500	0.477	u8/L		95	51 - 146	

Surrogate	%Recovery	Qualifier	Limits
1,1,1-trichloroethane	101		60 - 144

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QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

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

Lab Sample ID: LCSD 680-368458/12-A
Matrix: Water
Analysis Batch: 368500

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 368458

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec.		RPD	Limit
		Result	Qualifier				Limits	RPD		
Ethylene Dibromide	0.100	0.104		u8/L		104	66 - 126	2	p0	
1,2-Dibromo-p-Chloroethane	0.100	0.111		u8/L		111	70 - 14B	9	p0	
1,2,p-Trichloroethane	0.500	0.497		u8/L		99	51 - 146	4	p0	
		LCSD LCSD								
Surrogate	%Recovery	Qualifier	Limits							
1,2,3-Trichloroethane	106		60 - 144							

Lab Sample ID: MB 680-368459/1-A
Matrix: Water
Analysis Batch: 368502

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 368459

Analyte	MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier								
Ethylene Dibromide	0.0022	g	0.020	0.0022	u8/L		01/27/15 12:00	01/27/15 21:49	1	
1,2-Dibromo-p-Chloroethane	0.0050	g	0.020	0.0050	u8/L		01/27/15 12:00	01/27/15 21:49	1	
1,2,p-Trichloroethane	0.090	g	0.20	0.090	u8/L		01/27/15 12:00	01/27/15 21:49	1	
		MB MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
1,2,3-Trichloroethane	104		60 - 144	01/27/15 15:00	01/27/15 51:49	1				

Lab Sample ID: LCS 680-368459/2-A
Matrix: Water
Analysis Batch: 368502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368459

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec.		RPD	Limit
		Result	Qualifier				Limits	RPD		
Ethylene Dibromide	0.100	0.0865		u8/L		B7	66 - 126			
1,2-Dibromo-p-Chloroethane	0.100	0.0947		u8/L		95	70 - 14B			
1,2,p-Trichloroethane	0.500	0.41p		u8/L		Bp	51 - 146			
		LCS LCS								
Surrogate	%Recovery	Qualifier	Limits							
1,2,3-Trichloroethane	106		60 - 144							

Lab Sample ID: LCSD 680-368459/3-A
Matrix: Water
Analysis Batch: 368502

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 368459

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec.		RPD	Limit
		Result	Qualifier				Limits	RPD		
Ethylene Dibromide	0.100	0.105		u8/L		105	66 - 126	19	p0	
1,2-Dibromo-p-Chloroethane	0.100	0.109		u8/L		109	70 - 14B	14	p0	
1,2,p-Trichloroethane	0.500	0.505		u8/L		101	51 - 146	20	p0	
		LCSD LCSD								
Surrogate	%Recovery	Qualifier	Limits							
1,2,3-Trichloroethane	111		60 - 144							

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

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

Lab Sample ID: 660-64974-9 MS
Matrix: Ground Water
Analysis Batch: 368502

Client Sample ID: MW-14
Prep Type: Total/NA
Prep Batch: 368459

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Ethylene Dibromide	0.0022	g	0.102	0.104		u8/L		102		66 - 126
1,2-Dibromo-p-Chloroethane	0.0050	g	0.102	0.11B		u8/L		116		70 - 14B
1,2,p-Trichloroethane	0.090	g	0.510	0.6BB		u8/L		1p5		51 - 146
MS MS										
Surrogate	%Recovery	Qualifier	Limits							
1,2-Dibromoethane	111		60 - 144							

Lab Sample ID: 660-64974-9 MSD
Matrix: Ground Water
Analysis Batch: 368502

Client Sample ID: MW-14
Prep Type: Total/NA
Prep Batch: 368459

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier								
Ethylene Dibromide	0.0022	g	0.097B	0.101		u8/L		10p		66 - 126	4		p0
1,2-Dibromo-p-Chloroethane	0.0050	g	0.097B	0.111		u8/L		11p		70 - 14B	6		p0
1,2,p-Trichloroethane	0.090	g	0.4B9	0.522		u8/L		107		51 - 146	2B		p0
MSD MSD													
Surrogate	%Recovery	Qualifier	Limits										
1,2-Dibromoethane	110		60 - 144										

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 680-368346/2
Matrix: Water
Analysis Batch: 368346

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

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	0.20	g	0.50	0.20	m8/L			01/26/15 10:27	1

Lab Sample ID: LCS 680-368346/3
Matrix: Water
Analysis Batch: 368346

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
Chloride	10.0	10.5		m8/L		105		90 - 110

Lab Sample ID: LCSD 680-368346/4
Matrix: Water
Analysis Batch: 368346

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

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
		Result	Qualifier							
Chloride	10.0	10.5		m8/L		105		90 - 110	0	p0

Lab Sample ID: 640-50266-D-9 MS
Matrix: Water
Analysis Batch: 368346

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

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Chloride	16		10.0	26.5		m8/L		10B		B0 - 120

TestAmerica TamH

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 640-50266-D-9 MSD
Matrix: Water
Analysis Batch: 368346

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
Chloride	16		10.0	26.5		m8/L		10B	B0 - 120	0	p0

Lab Sample ID: MB 680-368347/2
Matrix: Water
Analysis Batch: 368347

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	g	0.50	0.20	m8/L			01/26/15 10:p5	1

Lab Sample ID: LCS 680-368347/3
Matrix: Water
Analysis Batch: 368347

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	10.2		m8/L		102	90 - 110

Lab Sample ID: LCSD 680-368347/4
Matrix: Water
Analysis Batch: 368347

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.0	10.2		m8/L		102	90 - 110	0	p0

Lab Sample ID: 660-64976-O-8 MS
Matrix: Water
Analysis Batch: 368347

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
Chloride	6.7		10.0	17.0		m8/L		10p	B0 - 120

Lab Sample ID: 660-64976-O-8 MSD
Matrix: Water
Analysis Batch: 368347

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
Chloride	6.7		10.0	17.0		m8/L		10p	B0 - 120	0	p0

Lab Sample ID: 680-109266-N-3 MS
Matrix: Water
Analysis Batch: 368347

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
Chloride	5.1		20.0	25.4		m8/L		102	B0 - 120

Lab Sample ID: 680-109266-N-3 MSD
Matrix: Water
Analysis Batch: 368347

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
Chloride	5.1		20.0	25.5		m8/L		102	B0 - 120	0	p0

TestAmerica TamHa

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Lab Sample ID: MB 680-368433/2
Matrix: Water
Analysis Batch: 368433

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ChloriUe	0.20	g	0.50	0.20	m8/L			01/27/15 10:52	1

Lab Sample ID: LCS 680-368433/3
Matrix: Water
Analysis Batch: 368433

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
ChloriUe	10.0	10.5		m8/L		105	90 - 110

Lab Sample ID: LCSD 680-368433/4
Matrix: Water
Analysis Batch: 368433

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
ChloriUe	10.0	10.5		m8/L		105	90 - 110	0	p0

Lab Sample ID: 660-64974-4 MS
Matrix: Ground Water
Analysis Batch: 368433

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
ChloriUe	4.p		10.0	15.2		m8/L		109	B0 - 120

Lab Sample ID: 660-64974-4 MSD
Matrix: Ground Water
Analysis Batch: 368433

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
ChloriUe	4.p		10.0	15.1		m8/L		10B	B0 - 120	1	p0

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 680-368062/1-A
Matrix: Water
Analysis Batch: 368322

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 368062

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.p	g	2.5	1.p	u8/L		01/2p/15 07:p2	01/24/15 04:p9	1
Iron	pp	g	100	pp	u8/L		01/2p/15 07:p2	01/24/15 04:p9	1
SoUum	0.25	g	0.50	0.25	m8/L		01/2p/15 07:p2	01/24/15 04:p9	1

Lab Sample ID: LCS 680-368062/2-A
Matrix: Water
Analysis Batch: 368322

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 368062

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	105		u8/L		105	75 - 125
Iron	5000	5140		u8/L		10p	75 - 125
SoUum	5.00	5.24		m8/L		105	75 - 125

TestAmerica TamHa

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

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

Lab Sample ID: 400-101018-C-1-B MS
Matrix: Water
Analysis Batch: 368322

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 368062

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	44		100	165		u8/L		121	75 - 125
Iron	1p0		5000	62B0		u8/L		12p	75 - 125
SoUum	200	Jp	5.00	206	Jp	m8/L		14p	75 - 125

Lab Sample ID: 400-101018-C-1-C MSD
Matrix: Water
Analysis Batch: 368322

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 368062

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	44		100	15B		u8/L		114	75 - 125	4	20
Iron	1p0		5000	5B50		u8/L		114	75 - 125	7	20
SoUum	200	Jp	5.00	195	Jp	m8/L		-7B	75 - 125	5	20

Lab Sample ID: MB 680-368063/1-A
Matrix: Water
Analysis Batch: 368322

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 368063

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.p	g	5.0	2.p	u8/L		01/2p/15 07:54	01/24/15 07:p2	1
Arsenic	1.p	g	2.5	1.p	u8/L		01/2p/15 07:54	01/24/15 07:p2	1
3arium	1.p	g	5.0	1.p	u8/L		01/2p/15 07:54	01/24/15 07:p2	1
3eryllium	0.25	g	0.50	0.25	u8/L		01/2p/15 07:54	01/24/15 07:p2	1
CaUmium	0.095	g	0.50	0.095	u8/L		01/2p/15 07:54	01/24/15 07:p2	1
Chromium	2.5	g	5.0	2.5	u8/L		01/2p/15 07:54	01/24/15 07:p2	1
Cobalt	0.15	g	0.50	0.15	u8/L		01/2p/15 07:54	01/24/15 07:p2	1
CoHer	1.1	g	5.0	1.1	u8/L		01/2p/15 07:54	01/24/15 07:p2	1
Iron	pp	g	100	pp	u8/L		01/2p/15 07:54	01/24/15 07:p2	1
LeaU	0.20	g	1.5	0.20	u8/L		01/2p/15 07:54	01/24/15 07:p2	1
Nickel	2.0	g	5.0	2.0	u8/L		01/2p/15 07:54	01/24/15 07:p2	1
Selenium	1.0	g	2.5	1.0	u8/L		01/2p/15 07:54	01/24/15 07:p2	1
Silver	0.25	g	1.0	0.25	u8/L		01/2p/15 07:54	01/24/15 07:p2	1
SoUum	0.25	g	0.50	0.25	m8/L		01/2p/15 07:54	01/24/15 07:p2	1
Thallium	0.50	g	1.0	0.50	u8/L		01/2p/15 07:54	01/24/15 07:p2	1
VanaUmium	p.B	g	10	p.B	u8/L		01/2p/15 07:54	01/24/15 07:p2	1
Zinc	B.p	g	20	B.p	u8/L		01/2p/15 07:54	01/24/15 07:p2	1

Lab Sample ID: LCS 680-368063/2-A
Matrix: Water
Analysis Batch: 368322

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 368063

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	51.B		u8/L		104	75 - 125
Arsenic	100	106		u8/L		106	75 - 125
3arium	100	109		u8/L		109	75 - 125
3eryllium	50.0	51.9		u8/L		104	75 - 125
CaUmium	50.0	51.1		u8/L		102	75 - 125
Chromium	100	105		u8/L		105	75 - 125
Cobalt	50.0	5p.0		u8/L		106	75 - 125
CoHer	100	104		u8/L		104	75 - 125

TestAmerica TamHa

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

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

Lab Sample ID: LCS 680-368063/2-A
Matrix: Water
Analysis Batch: 368322

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 368063

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	5000	5140		u8/L		10p	75 - 125
LeaU	500	5pB		u8/L		10B	75 - 125
Nickel	100	10p		u8/L		10p	75 - 125
Selenium	100	107		u8/L		107	75 - 125
Silver	50.0	52.0		u8/L		104	75 - 125
SoUum	5.00	5.21		m8/L		104	75 - 125
Thallium	40.0	41.9		u8/L		105	75 - 125
VanaUium	100	102		u8/L		102	75 - 125
Zinc	100	109		u8/L		109	75 - 125

Lab Sample ID: 660-64974-8 MS
Matrix: Ground Water
Analysis Batch: 368322

Client Sample ID: MW-13
Prep Type: Total Recoverable
Prep Batch: 368063

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	2.p	g	50.0	55.0		u8/L		110	75 - 125
Arsenic	4.2		100	11p		u8/L		109	75 - 125
Barium	10		100	122		u8/L		112	75 - 125
Beryllium	0.25	g	50.0	50.2		u8/L		100	75 - 125
Calcium	0.095	g	50.0	54.6		u8/L		109	75 - 125
Chromium	2.5	g	100	107		u8/L		107	75 - 125
Cobalt	6.5		50.0	60.9		u8/L		109	75 - 125
Copper	2.5	l	100	10B		u8/L		106	75 - 125
Iron	p700		5000	B750		u8/L		102	75 - 125
LeaU	0.54	l	500	56p		u8/L		112	75 - 125
Nickel	4.9	l	100	112		u8/L		107	75 - 125
Selenium	1.0	g	100	109		u8/L		109	75 - 125
Silver	0.25	g	50.0	5p.5		u8/L		107	75 - 125
SoUum	p.1		5.00	B.pB		m8/L		106	75 - 125
Thallium	0.50	g	40.0	44.6		u8/L		112	75 - 125
VanaUium	p.B	g	100	104		u8/L		104	75 - 125
Zinc	46	Jp	100	114	Jp	u8/L		6B	75 - 125

Lab Sample ID: 660-64974-8 MSD
Matrix: Ground Water
Analysis Batch: 368322

Client Sample ID: MW-13
Prep Type: Total Recoverable
Prep Batch: 368063

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	2.p	g	50.0	55.5		u8/L		111	75 - 125	1	20
Arsenic	4.2		100	115		u8/L		110	75 - 125	1	20
Barium	10		100	125		u8/L		115	75 - 125	2	20
Beryllium	0.25	g	50.0	55.9		u8/L		112	75 - 125	11	20
Calcium	0.095	g	50.0	54.7		u8/L		109	75 - 125	0	20
Chromium	2.5	g	100	111		u8/L		111	75 - 125	p	20
Cobalt	6.5		50.0	62.1		u8/L		111	75 - 125	2	20
Copper	2.5	l	100	111		u8/L		10B	75 - 125	2	20
Iron	p700		5000	B9B0		u8/L		107	75 - 125	p	20
LeaU	0.54	l	500	577		u8/L		115	75 - 125	p	20
Nickel	4.9	l	100	114		u8/L		109	75 - 125	2	20

TestAmerica TamHa

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

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

Lab Sample ID: 660-64974-8 MSD
Matrix: Ground Water
Analysis Batch: 368322

Client Sample ID: MW-13
Prep Type: Total Recoverable
Prep Batch: 368063

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Selenium	1.0	g	100	117		u8/L		117	75 - 125	7	20
Silver	0.25	g	50.0	55.0		u8/L		110	75 - 125	p	20
SoUum	p.1		5.00	B.91		m8/L		116	75 - 125	6	20
Thallium	0.50	g	40.0	45.1		u8/L		11p	75 - 125	1	20
VanaUum	p.B	g	100	107		u8/L		107	75 - 125	p	20
Zinc	46	g	100	121		u8/L		75	75 - 125	6	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-368101/1-A
Matrix: Water
Analysis Batch: 368212

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 368101

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.091	g	0.20	0.091	u8/L		01/2p/15 10:19	01/2p/15 15:40	1

Lab Sample ID: LCS 680-368101/2-A
Matrix: Water
Analysis Batch: 368212

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 368101

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Mercury	2.50	2.47		u8/L		99	B0 - 120

Lab Sample ID: 660-64974-2 MS
Matrix: Ground Water
Analysis Batch: 368212

Client Sample ID: MW-10
Prep Type: Total/NA
Prep Batch: 368101

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Mercury	0.091	g	1.00	0.9B4		u8/L		9B	B0 - 120

Lab Sample ID: 660-64974-2 MSD
Matrix: Ground Water
Analysis Batch: 368212

Client Sample ID: MW-10
Prep Type: Total/NA
Prep Batch: 368101

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Mercury	0.091	g	1.00	0.97B		u8/L		9B	B0 - 120	1	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 680-368443/36
Matrix: Water
Analysis Batch: 368443

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

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ammonia	0.026	g	0.050	0.026	m8/L			01/26/15 16:p9	1

TestAmerica TamHa

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 680-368443/17
Matrix: Water
Analysis Batch: 368443

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	1.00		m8/L		100	90 - 110

Lab Sample ID: 660-64971-J-1 MS
Matrix: Water
Analysis Batch: 368443

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	0.1p	Jp	1.00	1.p1	Jp	m8/L		119	90 - 110

Lab Sample ID: 660-64971-J-1 MSD
Matrix: Water
Analysis Batch: 368443

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	0.1p	Jp	1.00	1.p1	Jp	m8/L		11B	90 - 110	0	p0

Lab Sample ID: 660-64974-9 DU
Matrix: Ground Water
Analysis Batch: 368443

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia	0.16		0.15p		m8/L		p	p0

Lab Sample ID: MB 680-368444/41
Matrix: Water
Analysis Batch: 368444

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.026	g	0.050	0.026	m8/L			01/26/15 17:p1	1

Lab Sample ID: LCS 680-368444/6
Matrix: Water
Analysis Batch: 368444

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	1.00		m8/L		100	90 - 110

Lab Sample ID: 660-65007-1 MS
Matrix: Ground Water
Analysis Batch: 368444

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	0.95		1.00	2.00		m8/L		105	90 - 110

Lab Sample ID: 660-65007-1 MSD
Matrix: Ground Water
Analysis Batch: 368444

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	0.95		1.00	1.9B		m8/L		10p	90 - 110	1	p0

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QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Lab Sample ID: 660-65007-3 DU
Matrix: Ground Water
Analysis Batch: 368444

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia	0.11		0.114		m8/L		2	p0

Method: 353.2 - Nitrate

Lab Sample ID: MB 660-154982/12
Matrix: Water
Analysis Batch: 154982

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	g	0.50	0.10	m8/L			01/21/15 15:p9	1

Lab Sample ID: MB 660-154982/13
Matrix: Water
Analysis Batch: 154982

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	g	0.50	0.10	m8/L			01/21/15 15:40	1

Lab Sample ID: LCS 660-154982/14
Matrix: Water
Analysis Batch: 154982

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	0.992		m8/L		99	90 - 110
Nitrite as N	0.500	0.479	I	m8/L		96	90 - 110

Lab Sample ID: LCS 660-154982/15
Matrix: Water
Analysis Batch: 154982

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.00	1.02		m8/L		102	90 - 110
Nitrite as N	0.500	0.495	I	m8/L		99	90 - 110

Lab Sample ID: 660-64972-A-8 MS
Matrix: Water
Analysis Batch: 154982

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.10	g	1.00	0.9B6		m8/L		99	90 - 110
Nitrite as N	0.10	g	0.500	0.47p	I	m8/L		95	90 - 110

Lab Sample ID: 660-64972-A-8 MSD
Matrix: Water
Analysis Batch: 154982

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.10	g	1.00	1.00		m8/L		100	90 - 110	1	p0
Nitrite as N	0.10	g	0.500	0.4B7	I	m8/L		97	90 - 110	p	p0

TestAmerica TamHa

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Method: 353.2 - Nitrate (Continued)

Lab Sample ID: MB 660-155010/12
Matrix: Water
Analysis Batch: 155010

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	g	0.50	0.10	m8/L	-		01/22/15 10:5p	1

Lab Sample ID: MB 660-155010/13
Matrix: Water
Analysis Batch: 155010

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	g	0.50	0.10	m8/L	-		01/22/15 10:54	1

Lab Sample ID: LCS 660-155010/14
Matrix: Water
Analysis Batch: 155010

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.00	1.02		m8/L	-	102	90 - 110
Nitrite as N	0.500	0.4B7	I	m8/L	-	97	90 - 110

Lab Sample ID: LCS 660-155010/15
Matrix: Water
Analysis Batch: 155010

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.00	1.02		m8/L	-	102	90 - 110
Nitrite as N	0.500	0.50p		m8/L	-	101	90 - 110

Lab Sample ID: 660-65007-1 MS
Matrix: Ground Water
Analysis Batch: 155010

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
Nitrate Nitrite as N	0.10	g Jp	1.00	0.24B	I Jp	m8/L	-	25	90 - 110
Nitrite as N	0.10	g Jp	0.500	0.pp5	I Jp	m8/L	-	67	90 - 110

Lab Sample ID: 660-65007-1 MSD
Matrix: Ground Water
Analysis Batch: 155010

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
Nitrate Nitrite as N	0.10	g Jp	1.00	0.25B	I Jp	m8/L	-	26	90 - 110	4	p0
Nitrite as N	0.10	g Jp	0.500	0.pp9	I Jp	m8/L	-	6B	90 - 110	1	p0

Lab Sample ID: MB 660-155018/3
Matrix: Water
Analysis Batch: 155018

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	g	0.50	0.10	m8/L	-		01/22/15 12:1B	1

TestAmerica TamHa

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Method: 353.2 - Nitrate (Continued)

Lab Sample ID: MB 660-155018/4
Matrix: Water
Analysis Batch: 155018

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	g	0.50	0.10	m8/L			01/22/15 12:19	1

Lab Sample ID: LCS 660-155018/5
Matrix: Water
Analysis Batch: 155018

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.00	1.00		m8/L		100	90 - 110
Nitrite as N	0.500	0.4B9	I	m8/L		9B	90 - 110

Lab Sample ID: LCS 660-155018/6
Matrix: Water
Analysis Batch: 155018

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.00	1.01		m8/L		101	90 - 110
Nitrite as N	0.500	0.507		m8/L		101	90 - 110

Lab Sample ID: 660-65020-D-1 MS
Matrix: Water
Analysis Batch: 155018

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.10	g	1.00	0.991		m8/L		99	90 - 110
Nitrite as N	0.10	g	0.500	0.496	I	m8/L		99	90 - 110

Lab Sample ID: 660-65020-D-1 MSD
Matrix: Water
Analysis Batch: 155018

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	Limit
Nitrate Nitrite as N	0.10	g	1.00	1.01		m8/L		101	90 - 110	2	p0
Nitrite as N	0.10	g	0.500	0.51p		m8/L		10p	90 - 110	p	p0

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

Lab Sample ID: MB 660-155014/1
Matrix: Water
Analysis Batch: 155014

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total DissolveU SoliUs	5.0	g	5.0	5.0	m8/L			01/22/15 1p:15	1

Lab Sample ID: LCS 660-155014/2
Matrix: Water
Analysis Batch: 155014

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total DissolveU SoliUs	10000	10100		m8/L		101	B0 - 120

TestAmerica TamH

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

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

Lab Sample ID: 660-64968-A-1 DU
Matrix: Water
Analysis Batch: 155014

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total DissolveU SoliUs	600		600		m8/L		0.7	20

Lab Sample ID: 660-64974-9 DU
Matrix: Ground Water
Analysis Batch: 155014

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total DissolveU SoliUs	290		294		m8/L		0.7	20

Lab Sample ID: MB 660-155085/1
Matrix: Water
Analysis Batch: 155085

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total DissolveU SoliUs	5.0	g	5.0	5.0	m8/L			01/26/15 15:25	1

Lab Sample ID: LCS 660-155085/2
Matrix: Water
Analysis Batch: 155085

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total DissolveU SoliUs	10000	99p0		m8/L		99	B0 - 120

Lab Sample ID: 640-50263-G-1 DU
Matrix: Water
Analysis Batch: 155085

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total DissolveU SoliUs	p40		p4B		m8/L		2	20

Lab Sample ID: 640-50266-B-7 DU
Matrix: Water
Analysis Batch: 155085

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total DissolveU SoliUs	12		5.0	g	m8/L		NC	20

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

GC/MS VOA

Analysis Batch: 155122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-64974-1	Field Blank 012015	Total/NA	Ground Water	8260B	
660-64974-2	MW-10	Total/NA	Ground Water	8260B	
660-64974-2 DU	MW-10	Total/NA	Ground Water	8260B	
660-64974-3	MW-21	Total/NA	Ground Water	8260B	
660-64974-3 MS	MW-21	Total/NA	Ground Water	8260B	
660-64974-4	MW-17	Total/NA	Ground Water	8260B	
660-64974-5	MW-15	Total/NA	Ground Water	8260B	
660-64974-6	MW-11	Total/NA	Ground Water	8260B	
660-64974-7	MW-12	Total/NA	Ground Water	8260B	
660-64974-8	MW-13	Total/NA	Ground Water	8260B	
660-64974-9	MW-14	Total/NA	Ground Water	8260B	
660-64974-10	Trip Blank 012015	Total/NA	Water	8260B	
LCS 660-155122/5	Lab Control Sample	Total/NA	Water	8260B	
MB 660-155122/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 155136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-65007-1	MW-20	Total/NA	Ground Water	8260B	
660-65007-2	MW-7	Total/NA	Ground Water	8260B	
660-65007-3	MW-3	Total/NA	Ground Water	8260B	
660-65007-4	Trip Blank 012115	Total/NA	Water	8260B	
660-65010-1	MW-18	Total/NA	Ground Water	8260B	
660-65010-1 MS	MW-18	Total/NA	Ground Water	8260B	
660-65010-2	MW-19	Total/NA	Ground Water	8260B	
660-65010-2 DU	MW-19	Total/NA	Ground Water	8260B	
660-65010-3	Trip Blank - 65010	Total/NA	Water	8260B	
LCS 660-155136/13	Lab Control Sample	Total/NA	Water	8260B	
MB 660-155136/15	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 368098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-65009-1	MW-6	Total/NA	Ground Water	524.2	
LCS 680-368098/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 680-368098/4	Lab Control Sample Dup	Total/NA	Water	524.2	
MB 680-368098/8	Method Blank	Total/NA	Water	524.2	

GC Semi VOA

Prep Batch: 368458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-65007-1	MW-20	Total/NA	Ground Water	8011	
660-65007-2	MW-7	Total/NA	Ground Water	8011	
660-65007-3	MW-3	Total/NA	Ground Water	8011	
660-65007-4	Trip Blank 012115	Total/NA	Water	8011	
LCS 680-368458/11-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 680-368458/12-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 680-368458/10-A	Method Blank	Total/NA	Water	8011	

TestAmerica Tampa

QC Association Summary

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

GC Semi VOA (Continued)

Prep Batch: 368459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-64974-1	Field Blank 012015	Total/NA	Ground Water	8011	
660-64974-2	MW-10	Total/NA	Ground Water	8011	
660-64974-3	MW-21	Total/NA	Ground Water	8011	
660-64974-4	MW-17	Total/NA	Ground Water	8011	
660-64974-5	MW-15	Total/NA	Ground Water	8011	
660-64974-6	MW-11	Total/NA	Ground Water	8011	
660-64974-7	MW-12	Total/NA	Ground Water	8011	
660-64974-8	MW-13	Total/NA	Ground Water	8011	
660-64974-9	MW-14	Total/NA	Ground Water	8011	
660-64974-9 MS	MW-14	Total/NA	Ground Water	8011	
660-64974-9 MSD	MW-14	Total/NA	Ground Water	8011	
660-64974-10	Trip Blank 012015	Total/NA	Water	8011	
LCS 680-368459/2-A	Lab Control Sample	Total/NA	Water	8011	
LCS 680-368459/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 680-368459/1-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 368500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-65007-1	MW-20	Total/NA	Ground Water	8011	368458
660-65007-2	MW-7	Total/NA	Ground Water	8011	368458
660-65007-3	MW-3	Total/NA	Ground Water	8011	368458
660-65007-4	Trip Blank 012115	Total/NA	Water	8011	368458
LCS 680-368458/11-A	Lab Control Sample	Total/NA	Water	8011	368458
LCS 680-368458/12-A	Lab Control Sample Dup	Total/NA	Water	8011	368458
MB 680-368458/10-A	Method Blank	Total/NA	Water	8011	368458

Analysis Batch: 368502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-64974-1	Field Blank 012015	Total/NA	Ground Water	8011	368459
660-64974-2	MW-10	Total/NA	Ground Water	8011	368459
660-64974-3	MW-21	Total/NA	Ground Water	8011	368459
660-64974-4	MW-17	Total/NA	Ground Water	8011	368459
660-64974-5	MW-15	Total/NA	Ground Water	8011	368459
660-64974-6	MW-11	Total/NA	Ground Water	8011	368459
660-64974-7	MW-12	Total/NA	Ground Water	8011	368459
660-64974-8	MW-13	Total/NA	Ground Water	8011	368459
660-64974-9	MW-14	Total/NA	Ground Water	8011	368459
660-64974-9 MS	MW-14	Total/NA	Ground Water	8011	368459
660-64974-9 MSD	MW-14	Total/NA	Ground Water	8011	368459
660-64974-10	Trip Blank 012015	Total/NA	Water	8011	368459
LCS 680-368459/2-A	Lab Control Sample	Total/NA	Water	8011	368459
LCS 680-368459/3-A	Lab Control Sample Dup	Total/NA	Water	8011	368459
MB 680-368459/1-A	Method Blank	Total/NA	Water	8011	368459

HPLC/IC

Analysis Batch: 368346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-50266-D-9 MS	Matrix Spike	Total/NA	Water	300.0	
640-50266-D-9 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

TestAmerica Tampa

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

HPLC/IC (Continued)

Analysis Batch: 368346 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-65009-1	MW-6	Total/NA	Ground Water	300.0	
LCS 680-368346/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-368346/4	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-368346/2	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 368347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-64976-O-8 MS	Matrix Spike	Total/NA	Water	300.0	
660-64976-O-8 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
660-65007-1	MW-20	Total/NA	Ground Water	300.0	
660-65007-2	MW-7	Total/NA	Ground Water	300.0	
660-65007-3	MW-3	Total/NA	Ground Water	300.0	
680-109266-N-3 MS	Matrix Spike	Total/NA	Water	300.0	
680-109266-N-3 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
LCS 680-368347/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-368347/4	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-368347/2	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 368433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-64974-1	Field Blank 012015	Total/NA	Ground Water	300.0	
660-64974-2	MW-10	Total/NA	Ground Water	300.0	
660-64974-3	MW-21	Total/NA	Ground Water	300.0	
660-64974-4	MW-17	Total/NA	Ground Water	300.0	
660-64974-4 MS	MW-17	Total/NA	Ground Water	300.0	
660-64974-4 MSD	MW-17	Total/NA	Ground Water	300.0	
660-64974-5	MW-15	Total/NA	Ground Water	300.0	
660-64974-6	MW-11	Total/NA	Ground Water	300.0	
660-64974-7	MW-12	Total/NA	Ground Water	300.0	
660-64974-8	MW-13	Total/NA	Ground Water	300.0	
660-64974-9	MW-14	Total/NA	Ground Water	300.0	
LCS 680-368433/3	Lab Control Sample	Total/NA	Water	300.0	
LCSD 680-368433/4	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-368433/2	Method Blank	Total/NA	Water	300.0	

Metals

Prep Batch: 368062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-101018-C-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
400-101018-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
660-65009-1	MW-6	Total Recoverable	Ground Water	3005A	
LCS 680-368062/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-368062/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 368063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-64974-1	Field Blank 012015	Total Recoverable	Ground Water	3005A	
660-64974-2	MW-10	Dissolved	Ground Water	3005A	
660-64974-2	MW-10	Total Recoverable	Ground Water	3005A	

TestAmerica Tampa

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Metals (Continued)

Prep Batch: 368063 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-64974-3	MW-21	Dissolved	Ground Water	3005A	
660-64974-3	MW-21	Total Recoverable	Ground Water	3005A	
660-64974-4	MW-17	Total Recoverable	Ground Water	3005A	
660-64974-5	MW-15	Total Recoverable	Ground Water	3005A	
660-64974-6	MW-11	Total Recoverable	Ground Water	3005A	
660-64974-7	MW-12	Total Recoverable	Ground Water	3005A	
660-64974-8	MW-13	Total Recoverable	Ground Water	3005A	
660-64974-8 MS	MW-13	Total Recoverable	Ground Water	3005A	
660-64974-8 MSD	MW-13	Total Recoverable	Ground Water	3005A	
660-64974-9	MW-14	Total Recoverable	Ground Water	3005A	
660-65007-1	MW-20	Total Recoverable	Ground Water	3005A	
660-65007-2	MW-7	Total Recoverable	Ground Water	3005A	
660-65007-3	MW-3	Total Recoverable	Ground Water	3005A	
LCS 680-368063/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 680-368063/1-A	Method Blank	Total Recoverable	Water	3005A	

Prep Batch: 368101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-64974-1	Field Blank 012015	Total/NA	Ground Water	7470A	
660-64974-2	MW-10	Dissolved	Ground Water	7470A	
660-64974-2	MW-10	Total/NA	Ground Water	7470A	
660-64974-2 MS	MW-10	Total/NA	Ground Water	7470A	
660-64974-2 MSD	MW-10	Total/NA	Ground Water	7470A	
660-64974-3	MW-21	Dissolved	Ground Water	7470A	
660-64974-3	MW-21	Total/NA	Ground Water	7470A	
660-64974-4	MW-17	Total/NA	Ground Water	7470A	
660-64974-5	MW-15	Total/NA	Ground Water	7470A	
660-64974-6	MW-11	Total/NA	Ground Water	7470A	
660-64974-7	MW-12	Total/NA	Ground Water	7470A	
660-64974-8	MW-13	Total/NA	Ground Water	7470A	
660-64974-9	MW-14	Total/NA	Ground Water	7470A	
660-65007-1	MW-20	Total/NA	Ground Water	7470A	
660-65007-2	MW-7	Total/NA	Ground Water	7470A	
660-65007-3	MW-3	Total/NA	Ground Water	7470A	
LCS 680-368101/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 680-368101/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 368212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-64974-1	Field Blank 012015	Total/NA	Ground Water	7470A	368101
660-64974-2	MW-10	Dissolved	Ground Water	7470A	368101
660-64974-2	MW-10	Total/NA	Ground Water	7470A	368101
660-64974-2 MS	MW-10	Total/NA	Ground Water	7470A	368101
660-64974-2 MSD	MW-10	Total/NA	Ground Water	7470A	368101
660-64974-3	MW-21	Dissolved	Ground Water	7470A	368101
660-64974-3	MW-21	Total/NA	Ground Water	7470A	368101
660-64974-4	MW-17	Total/NA	Ground Water	7470A	368101
660-64974-5	MW-15	Total/NA	Ground Water	7470A	368101
660-64974-6	MW-11	Total/NA	Ground Water	7470A	368101
660-64974-7	MW-12	Total/NA	Ground Water	7470A	368101
660-64974-8	MW-13	Total/NA	Ground Water	7470A	368101

TestAmerica Tampa

QC Association Summary

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Metals (Continued)

Analysis Batch: 368212 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-64974-9	MW-14	Total/NA	Ground Water	7470A	368101
660-65007-1	MW-20	Total/NA	Ground Water	7470A	368101
660-65007-2	MW-7	Total/NA	Ground Water	7470A	368101
660-65007-3	MW-3	Total/NA	Ground Water	7470A	368101
LCS 680-368101/2-A	Lab Control Sample	Total/NA	Water	7470A	368101
MB 680-368101/1-A	Method Blank	Total/NA	Water	7470A	368101

Analysis Batch: 368322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-101018-C-1-B MS	Matrix Spike	Total Recoverable	Water	6020	368062
400-101018-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020	368062
660-64974-1	Field Blank 012015	Total Recoverable	Ground Water	6020	368063
660-64974-2	MW-10	Dissolved	Ground Water	6020	368063
660-64974-2	MW-10	Total Recoverable	Ground Water	6020	368063
660-64974-3	MW-21	Dissolved	Ground Water	6020	368063
660-64974-3	MW-21	Total Recoverable	Ground Water	6020	368063
660-64974-4	MW-17	Total Recoverable	Ground Water	6020	368063
660-64974-5	MW-15	Total Recoverable	Ground Water	6020	368063
660-64974-6	MW-11	Total Recoverable	Ground Water	6020	368063
660-64974-7	MW-12	Total Recoverable	Ground Water	6020	368063
660-64974-8	MW-13	Total Recoverable	Ground Water	6020	368063
660-64974-8 MS	MW-13	Total Recoverable	Ground Water	6020	368063
660-64974-8 MSD	MW-13	Total Recoverable	Ground Water	6020	368063
660-64974-9	MW-14	Total Recoverable	Ground Water	6020	368063
660-65007-1	MW-20	Total Recoverable	Ground Water	6020	368063
660-65007-2	MW-7	Total Recoverable	Ground Water	6020	368063
660-65007-3	MW-3	Total Recoverable	Ground Water	6020	368063
660-65009-1	MW-6	Total Recoverable	Ground Water	6020	368062
LCS 680-368062/2-A	Lab Control Sample	Total Recoverable	Water	6020	368062
LCS 680-368063/2-A	Lab Control Sample	Total Recoverable	Water	6020	368063
MB 680-368062/1-A	Method Blank	Total Recoverable	Water	6020	368062
MB 680-368063/1-A	Method Blank	Total Recoverable	Water	6020	368063

General Chemistry

Analysis Batch: 154982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-64972-A-8 MS	Matrix Spike	Total/NA	Water	353.2	
660-64972-A-8 MSD	Matrix Spike Duplicate	Total/NA	Water	353.2	
660-64974-1	Field Blank 012015	Total/NA	Ground Water	353.2	
660-64974-2	MW-10	Total/NA	Ground Water	353.2	
660-64974-3	MW-21	Total/NA	Ground Water	353.2	
660-64974-4	MW-17	Total/NA	Ground Water	353.2	
660-64974-5	MW-15	Total/NA	Ground Water	353.2	
660-64974-6	MW-11	Total/NA	Ground Water	353.2	
660-64974-7	MW-12	Total/NA	Ground Water	353.2	
660-64974-8	MW-13	Total/NA	Ground Water	353.2	
660-64974-9	MW-14	Total/NA	Ground Water	353.2	
LCS 660-154982/14	Lab Control Sample	Total/NA	Water	353.2	
LCS 660-154982/15	Lab Control Sample	Total/NA	Water	353.2	

TestAmerica Tampa

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

General Chemistry (Continued)

Analysis Batch: 154982 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 660-154982/12	Method Blank	Total/NA	Water	353.2	
MB 660-154982/13	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 155010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-65007-1	MW-20	Total/NA	Ground Water	353.2	
660-65007-1 MS	MW-20	Total/NA	Ground Water	353.2	
660-65007-1 MSD	MW-20	Total/NA	Ground Water	353.2	
660-65007-2	MW-7	Total/NA	Ground Water	353.2	
LCS 660-155010/14	Lab Control Sample	Total/NA	Water	353.2	
LCS 660-155010/15	Lab Control Sample	Total/NA	Water	353.2	
MB 660-155010/12	Method Blank	Total/NA	Water	353.2	
MB 660-155010/13	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 155014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-64968-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	
660-64974-2	MW-10	Total/NA	Ground Water	SM 2540C	
660-64974-3	MW-21	Total/NA	Ground Water	SM 2540C	
660-64974-4	MW-17	Total/NA	Ground Water	SM 2540C	
660-64974-5	MW-15	Total/NA	Ground Water	SM 2540C	
660-64974-6	MW-11	Total/NA	Ground Water	SM 2540C	
660-64974-7	MW-12	Total/NA	Ground Water	SM 2540C	
660-64974-8	MW-13	Total/NA	Ground Water	SM 2540C	
660-64974-9	MW-14	Total/NA	Ground Water	SM 2540C	
660-64974-9 DU	MW-14	Total/NA	Ground Water	SM 2540C	
660-65007-1	MW-20	Total/NA	Ground Water	SM 2540C	
660-65007-2	MW-7	Total/NA	Ground Water	SM 2540C	
660-65007-3	MW-3	Total/NA	Ground Water	SM 2540C	
LCS 660-155014/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-155014/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 155018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-65007-3	MW-3	Total/NA	Ground Water	353.2	
660-65020-D-1 MS	Matrix Spike	Total/NA	Water	353.2	
660-65020-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	353.2	
LCS 660-155018/5	Lab Control Sample	Total/NA	Water	353.2	
LCS 660-155018/6	Lab Control Sample	Total/NA	Water	353.2	
MB 660-155018/3	Method Blank	Total/NA	Water	353.2	
MB 660-155018/4	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 155085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-50263-G-1 DU	Duplicate	Total/NA	Water	SM 2540C	
640-50266-B-7 DU	Duplicate	Total/NA	Water	SM 2540C	
660-64974-1	Field Blank 012015	Total/NA	Ground Water	SM 2540C	
660-65009-1	MW-6	Total/NA	Ground Water	SM 2540C	
LCS 660-155085/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 660-155085/1	Method Blank	Total/NA	Water	SM 2540C	

TestAmerica Tampa

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

General Chemistry (Continued)

Analysis Batch: 368443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-64971-J-1 MS	Matrix Spike	Total/NA	Water	350.1	
660-64971-J-1 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1	
660-64974-1	Field Blank 012015	Total/NA	Ground Water	350.1	
660-64974-2	MW-10	Total/NA	Ground Water	350.1	
660-64974-3	MW-21	Total/NA	Ground Water	350.1	
660-64974-4	MW-17	Total/NA	Ground Water	350.1	
660-64974-5	MW-15	Total/NA	Ground Water	350.1	
660-64974-6	MW-11	Total/NA	Ground Water	350.1	
660-64974-7	MW-12	Total/NA	Ground Water	350.1	
660-64974-8	MW-13	Total/NA	Ground Water	350.1	
660-64974-9	MW-14	Total/NA	Ground Water	350.1	
660-64974-9 DU	MW-14	Total/NA	Ground Water	350.1	
LCS 680-368443/17	Lab Control Sample	Total/NA	Water	350.1	
MB 680-368443/36	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 368444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-65007-1	MW-20	Total/NA	Ground Water	350.1	
660-65007-1 MS	MW-20	Total/NA	Ground Water	350.1	
660-65007-1 MSD	MW-20	Total/NA	Ground Water	350.1	
660-65007-2	MW-7	Total/NA	Ground Water	350.1	
660-65007-3	MW-3	Total/NA	Ground Water	350.1	
660-65007-3 DU	MW-3	Total/NA	Ground Water	350.1	
LCS 680-368444/6	Lab Control Sample	Total/NA	Water	350.1	
MB 680-368444/41	Method Blank	Total/NA	Water	350.1	

Field Service / Mobile Lab

Analysis Batch: 155144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-64974-2	MW-10	Total/NA	Ground Water	Field Sampling	
660-64974-4	MW-17	Total/NA	Ground Water	Field Sampling	
660-64974-5	MW-15	Total/NA	Ground Water	Field Sampling	
660-65007-1	MW-20	Total/NA	Ground Water	Field Sampling	
660-65009-1	MW-6	Total/NA	Ground Water	Field Sampling	
660-65010-1	MW-18	Total/NA	Ground Water	Field Sampling	
660-65010-2	MW-19	Total/NA	Ground Water	Field Sampling	

Analysis Batch: 155272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-64974-3	MW-21	Total/NA	Ground Water	Field Sampling	
660-64974-6	MW-11	Total/NA	Ground Water	Field Sampling	
660-64974-7	MW-12	Total/NA	Ground Water	Field Sampling	
660-64974-8	MW-13	Total/NA	Ground Water	Field Sampling	
660-64974-9	MW-14	Total/NA	Ground Water	Field Sampling	
660-65007-2	MW-7	Total/NA	Ground Water	Field Sampling	
660-65007-3	MW-3	Total/NA	Ground Water	Field Sampling	

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: Field Blank 012015

Date Collected: 01/20/15 12:55

Date Received: 01/20/15 17:50

Lab Sample ID: 660-64974-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155122	01/27/15 09:53	ECC	TAL TAM
Total/NA	Prep	8011			34.6 mL	2 mL	368459	01/27/15 12:00	GEM	TAL SAV
Total/NA	Analysis	8011		1	34.6 mL	2 mL	368502	01/27/15 23:24	GEM	TAL SAV
Total/NA	Analysis	300.0		1	5 mL	5 mL	368433	01/27/15 11:50	DAS	TAL SAV
Total Recoverable	Prep	3005A			50 mL	250 mL	368063	01/23/15 07:54	CRW	TAL SAV
Total Recoverable	Analysis	6020		1	50 mL	250 mL	368322	01/24/15 08:10	BJB	TAL SAV
Total/NA	Prep	7470A			50 mL	50 mL	368101	01/23/15 10:19	JKL	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	368212	01/23/15 15:46	JKL	TAL SAV
Total/NA	Analysis	350.1		1	2 mL	2 mL	368443	01/26/15 15:52	JME	TAL SAV
Total/NA	Analysis	353.2		1	10 mL	10 mL	154982	01/21/15 16:10	ELE	TAL TAM
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	155085	01/26/15 15:25	TFH	TAL TAM

Client Sample ID: MW-10

Date Collected: 01/20/15 11:40

Date Received: 01/20/15 17:50

Lab Sample ID: 660-64974-2

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155122	01/27/15 10:12	ECC	TAL TAM
Total/NA	Prep	8011			35.2 mL	2 mL	368459	01/27/15 12:00	GEM	TAL SAV
Total/NA	Analysis	8011		1	35.2 mL	2 mL	368502	01/27/15 23:33	GEM	TAL SAV
Total/NA	Analysis	300.0		1	5 mL	5 mL	368433	01/27/15 12:05	DAS	TAL SAV
Dissolved	Prep	3005A			50 mL	250 mL	368063	01/23/15 07:54	CRW	TAL SAV
Dissolved	Analysis	6020		1	50 mL	250 mL	368322	01/24/15 09:04	BJB	TAL SAV
Total Recoverable	Prep	3005A			50 mL	250 mL	368063	01/23/15 07:54	CRW	TAL SAV
Total Recoverable	Analysis	6020		1	50 mL	250 mL	368322	01/24/15 08:16	BJB	TAL SAV
Dissolved	Prep	7470A			50 mL	50 mL	368101	01/23/15 10:19	JKL	TAL SAV
Dissolved	Analysis	7470A		1	50 mL	50 mL	368212	01/23/15 16:25	JKL	TAL SAV
Total/NA	Prep	7470A			50 mL	50 mL	368101	01/23/15 10:19	JKL	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	368212	01/23/15 15:49	JKL	TAL SAV
Total/NA	Analysis	350.1		1	2 mL	2 mL	368443	01/26/15 16:30	JME	TAL SAV
Total/NA	Analysis	353.2		1	10 mL	10 mL	154982	01/21/15 16:11	ELE	TAL TAM
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	155014	01/22/15 13:15	TFH	TAL TAM
Total/NA	Analysis	Field Sampling		1			155144	01/20/15 11:40	FS	TAL TAM

Client Sample ID: MW-21

Date Collected: 01/20/15 13:12

Date Received: 01/20/15 17:50

Lab Sample ID: 660-64974-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155122	01/27/15 10:31	ECC	TAL TAM
Total/NA	Prep	8011			34.9 mL	2 mL	368459	01/27/15 12:00	GEM	TAL SAV
Total/NA	Analysis	8011		1	34.9 mL	2 mL	368502	01/27/15 23:41	GEM	TAL SAV

TestAmerica Tampa

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-21

Date Collected: 01/20/15 13:12

Date Received: 01/20/15 17:50

Lab Sample ID: 660-64974-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	5 mL	5 mL	368433	01/27/15 12:19	DAS	TAL SAV
Dissolved	Prep	3005A			50 mL	250 mL	368063	01/23/15 07:54	CRW	TAL SAV
Dissolved	Analysis	6020		1	50 mL	250 mL	368322	01/24/15 09:10	BJB	TAL SAV
Total Recoverable	Prep	3005A			50 mL	250 mL	368063	01/23/15 07:54	CRW	TAL SAV
Total Recoverable	Analysis	6020		1	50 mL	250 mL	368322	01/24/15 08:21	BJB	TAL SAV
Dissolved	Prep	7470A			50 mL	50 mL	368101	01/23/15 10:19	JKL	TAL SAV
Dissolved	Analysis	7470A		1	50 mL	50 mL	368212	01/23/15 16:28	JKL	TAL SAV
Total/NA	Prep	7470A			50 mL	50 mL	368101	01/23/15 10:19	JKL	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	368212	01/23/15 15:58	JKL	TAL SAV
Total/NA	Analysis	350.1		2	2 mL	2 mL	368443	01/26/15 17:31	JME	TAL SAV
Total/NA	Analysis	353.2		1	10 mL	10 mL	154982	01/21/15 16:12	ELE	TAL TAM
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	155014	01/22/15 13:15	TFH	TAL TAM
Total/NA	Analysis	Field Sampling		1			155272	01/20/15 13:12	FS	TAL TAM

Client Sample ID: MW-17

Date Collected: 01/20/15 14:48

Date Received: 01/20/15 17:50

Lab Sample ID: 660-64974-4

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155122	01/27/15 10:50	ECC	TAL TAM
Total/NA	Prep	8011			34.4 mL	2 mL	368459	01/27/15 12:00	GEM	TAL SAV
Total/NA	Analysis	8011		1	34.4 mL	2 mL	368502	01/27/15 23:50	GEM	TAL SAV
Total/NA	Analysis	300.0		1	5 mL	5 mL	368433	01/27/15 12:34	DAS	TAL SAV
Total Recoverable	Prep	3005A			50 mL	250 mL	368063	01/23/15 07:54	CRW	TAL SAV
Total Recoverable	Analysis	6020		1	50 mL	250 mL	368322	01/24/15 08:37	BJB	TAL SAV
Total/NA	Prep	7470A			50 mL	50 mL	368101	01/23/15 10:19	JKL	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	368212	01/23/15 16:01	JKL	TAL SAV
Total/NA	Analysis	350.1		1	2 mL	2 mL	368443	01/26/15 16:11	JME	TAL SAV
Total/NA	Analysis	353.2		1	10 mL	10 mL	154982	01/21/15 16:13	ELE	TAL TAM
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	155014	01/22/15 13:15	TFH	TAL TAM
Total/NA	Analysis	Field Sampling		1			155144	01/20/15 14:48	FS	TAL TAM

Client Sample ID: MW-15

Date Collected: 01/20/15 15:50

Date Received: 01/20/15 17:50

Lab Sample ID: 660-64974-5

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155122	01/27/15 11:09	ECC	TAL TAM
Total/NA	Prep	8011			35.3 mL	2 mL	368459	01/27/15 12:00	GEM	TAL SAV
Total/NA	Analysis	8011		1	35.3 mL	2 mL	368502	01/27/15 23:59	GEM	TAL SAV
Total/NA	Analysis	300.0		1	5 mL	5 mL	368433	01/27/15 13:17	DAS	TAL SAV
Total Recoverable	Prep	3005A			50 mL	250 mL	368063	01/23/15 07:54	CRW	TAL SAV

TestAmerica Tampa

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-15

Date Collected: 01/20/15 15:50

Date Received: 01/20/15 17:50

Lab Sample ID: 660-64974-5

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Analysis	6020		1	50 mL	250 mL	368322	01/24/15 08:43	BJB	TAL SAV
Total/NA	Prep	7470A			50 mL	50 mL	368101	01/23/15 10:19	JKL	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	368212	01/23/15 16:04	JKL	TAL SAV
Total/NA	Analysis	350.1		1	2 mL	2 mL	368443	01/26/15 16:11	JME	TAL SAV
Total/NA	Analysis	353.2		1	10 mL	10 mL	154982	01/21/15 16:15	ELE	TAL TAM
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	155014	01/22/15 13:15	TFH	TAL TAM
Total/NA	Analysis	Field Sampling		1			155144	01/20/15 15:50	FS	TAL TAM

Client Sample ID: MW-11

Date Collected: 01/20/15 12:27

Date Received: 01/20/15 17:50

Lab Sample ID: 660-64974-6

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155122	01/27/15 11:28	ECC	TAL TAM
Total/NA	Prep	8011			35.2 mL	2 mL	368459	01/27/15 12:00	GEM	TAL SAV
Total/NA	Analysis	8011		1	35.2 mL	2 mL	368502	01/28/15 00:07	GEM	TAL SAV
Total/NA	Analysis	300.0		1	5 mL	5 mL	368433	01/27/15 13:32	DAS	TAL SAV
Total Recoverable	Prep	3005A			50 mL	250 mL	368063	01/23/15 07:54	CRW	TAL SAV
Total Recoverable	Analysis	6020		1	50 mL	250 mL	368322	01/24/15 08:48	BJB	TAL SAV
Total/NA	Prep	7470A			50 mL	50 mL	368101	01/23/15 10:19	JKL	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	368212	01/23/15 16:07	JKL	TAL SAV
Total/NA	Analysis	350.1		1	2 mL	2 mL	368443	01/26/15 16:11	JME	TAL SAV
Total/NA	Analysis	353.2		1	10 mL	10 mL	154982	01/21/15 16:16	ELE	TAL TAM
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	155014	01/22/15 13:15	TFH	TAL TAM
Total/NA	Analysis	Field Sampling		1			155272	01/20/15 12:27	FS	TAL TAM

Client Sample ID: MW-12

Date Collected: 01/20/15 13:49

Date Received: 01/20/15 17:50

Lab Sample ID: 660-64974-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155122	01/27/15 11:47	ECC	TAL TAM
Total/NA	Prep	8011			34.7 mL	2 mL	368459	01/27/15 12:00	GEM	TAL SAV
Total/NA	Analysis	8011		1	34.7 mL	2 mL	368502	01/28/15 00:16	GEM	TAL SAV
Total/NA	Analysis	300.0		1	5 mL	5 mL	368433	01/27/15 13:46	DAS	TAL SAV
Total Recoverable	Prep	3005A			50 mL	250 mL	368063	01/23/15 07:54	CRW	TAL SAV
Total Recoverable	Analysis	6020		1	50 mL	250 mL	368322	01/24/15 08:53	BJB	TAL SAV
Total/NA	Prep	7470A			50 mL	50 mL	368101	01/23/15 10:19	JKL	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	368212	01/23/15 16:16	JKL	TAL SAV
Total/NA	Analysis	350.1		1	2 mL	2 mL	368443	01/26/15 16:11	JME	TAL SAV
Total/NA	Analysis	353.2		1	10 mL	10 mL	154982	01/21/15 16:17	ELE	TAL TAM
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	155014	01/22/15 13:15	TFH	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-12

Date Collected: 01/20/15 13:49

Date Received: 01/20/15 17:50

Lab Sample ID: 660-64974-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			155272	01/20/15 13:49	FS	TAL TAM

Client Sample ID: MW-13

Date Collected: 01/20/15 15:08

Date Received: 01/20/15 17:50

Lab Sample ID: 660-64974-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155122	01/27/15 12:06	ECC	TAL TAM
Total/NA	Prep	8011			35.7 mL	2 mL	368459	01/27/15 12:00	GEM	TAL SAV
Total/NA	Analysis	8011		1	35.7 mL	2 mL	368502	01/28/15 00:25	GEM	TAL SAV
Total/NA	Analysis	300.0		1	5 mL	5 mL	368433	01/27/15 14:01	DAS	TAL SAV
Total Recoverable	Prep	3005A			50 mL	250 mL	368063	01/23/15 07:54	CRW	TAL SAV
Total Recoverable	Analysis	6020		1	50 mL	250 mL	368322	01/24/15 07:43	BJB	TAL SAV
Total/NA	Prep	7470A			50 mL	50 mL	368101	01/23/15 10:19	JKL	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	368212	01/23/15 16:19	JKL	TAL SAV
Total/NA	Analysis	350.1		1	2 mL	2 mL	368443	01/26/15 16:11	JME	TAL SAV
Total/NA	Analysis	353.2		1	10 mL	10 mL	154982	01/21/15 16:18	ELE	TAL TAM
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	155014	01/22/15 13:15	TFH	TAL TAM
Total/NA	Analysis	Field Sampling		1			155272	01/20/15 15:08	FS	TAL TAM

Client Sample ID: MW-14

Date Collected: 01/20/15 16:15

Date Received: 01/20/15 17:50

Lab Sample ID: 660-64974-9

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155122	01/27/15 12:25	ECC	TAL TAM
Total/NA	Prep	8011			35 mL	2 mL	368459	01/27/15 12:00	GEM	TAL SAV
Total/NA	Analysis	8011		1	35 mL	2 mL	368502	01/28/15 00:33	GEM	TAL SAV
Total/NA	Analysis	300.0		1	5 mL	5 mL	368433	01/27/15 14:44	DAS	TAL SAV
Total Recoverable	Prep	3005A			50 mL	250 mL	368063	01/23/15 07:54	CRW	TAL SAV
Total Recoverable	Analysis	6020		1	50 mL	250 mL	368322	01/24/15 08:59	BJB	TAL SAV
Total/NA	Prep	7470A			50 mL	50 mL	368101	01/23/15 10:19	JKL	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	368212	01/23/15 16:22	JKL	TAL SAV
Total/NA	Analysis	350.1		1	2 mL	2 mL	368443	01/26/15 15:52	JME	TAL SAV
Total/NA	Analysis	353.2		1	10 mL	10 mL	154982	01/21/15 16:22	ELE	TAL TAM
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	155014	01/22/15 13:15	TFH	TAL TAM
Total/NA	Analysis	Field Sampling		1			155272	01/20/15 16:15	FS	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: Trip Blank 012015

Lab Sample ID: 660-64974-10

Date Collected: 01/20/15 00:00

Matrix: Water

Date Received: 01/20/15 17:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155122	01/27/15 12:44	ECC	TAL TAM
Total/NA	Prep	8011			35.1 mL	2 mL	368459	01/27/15 12:00	GEM	TAL SAV
Total/NA	Analysis	8011		1	35.1 mL	2 mL	368502	01/28/15 00:42	GEM	TAL SAV

Client Sample ID: MW-20

Lab Sample ID: 660-65007-1

Date Collected: 01/21/15 08:52

Matrix: Ground Water

Date Received: 01/21/15 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155136	01/27/15 16:44	SCC	TAL TAM
Total/NA	Prep	8011			34.8 mL	2 mL	368458	01/27/15 11:53	GEM	TAL SAV
Total/NA	Analysis	8011		1	34.8 mL	2 mL	368500	01/27/15 18:57	GEM	TAL SAV
Total/NA	Analysis	300.0		5	5 mL	5 mL	368347	01/26/15 17:00	AJO	TAL SAV
Total Recoverable	Prep	3005A			50 mL	250 mL	368063	01/23/15 07:54	CRW	TAL SAV
Total Recoverable	Analysis	6020		1	50 mL	250 mL	368322	01/24/15 09:15	BJB	TAL SAV
Total/NA	Prep	7470A			50 mL	50 mL	368101	01/23/15 10:19	JKL	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	368212	01/23/15 16:37	JKL	TAL SAV
Total/NA	Analysis	350.1		2	2 mL	2 mL	368444	01/26/15 17:31	JME	TAL SAV
Total/NA	Analysis	353.2		1	10 mL	10 mL	155010	01/22/15 11:21	ELE	TAL TAM
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	155014	01/22/15 13:15	TFH	TAL TAM
Total/NA	Analysis	Field Sampling		1			155144	01/21/15 08:52	FS	TAL TAM

Client Sample ID: MW-7

Lab Sample ID: 660-65007-2

Date Collected: 01/21/15 11:01

Matrix: Ground Water

Date Received: 01/21/15 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155136	01/27/15 17:02	SCC	TAL TAM
Total/NA	Prep	8011			34.6 mL	2 mL	368458	01/27/15 11:53	GEM	TAL SAV
Total/NA	Analysis	8011		1	34.6 mL	2 mL	368500	01/27/15 19:05	GEM	TAL SAV
Total/NA	Analysis	300.0		1	5 mL	5 mL	368347	01/26/15 17:46	AJO	TAL SAV
Total Recoverable	Prep	3005A			50 mL	250 mL	368063	01/23/15 07:54	CRW	TAL SAV
Total Recoverable	Analysis	6020		1	50 mL	250 mL	368322	01/24/15 09:21	BJB	TAL SAV
Total/NA	Prep	7470A			50 mL	50 mL	368101	01/23/15 10:19	JKL	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	368212	01/23/15 16:41	JKL	TAL SAV
Total/NA	Analysis	350.1		1	2 mL	2 mL	368444	01/26/15 16:30	JME	TAL SAV
Total/NA	Analysis	353.2		1	10 mL	10 mL	155010	01/22/15 11:25	ELE	TAL TAM
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	155014	01/22/15 13:15	TFH	TAL TAM
Total/NA	Analysis	Field Sampling		1			155272	01/21/15 11:01	FS	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-3

Date Collected: 01/21/15 12:10

Date Received: 01/21/15 15:50

Lab Sample ID: 660-65007-3

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155136	01/27/15 17:21	SCC	TAL TAM
Total/NA	Prep	8011			35.7 mL	2 mL	368458	01/27/15 11:53	GEM	TAL SAV
Total/NA	Analysis	8011		1	35.7 mL	2 mL	368500	01/27/15 19:14	GEM	TAL SAV
Total/NA	Analysis	300.0		1	5 mL	5 mL	368347	01/26/15 18:01	AJO	TAL SAV
Total Recoverable	Prep	3005A			50 mL	250 mL	368063	01/23/15 07:54	CRW	TAL SAV
Total Recoverable	Analysis	6020		1	50 mL	250 mL	368322	01/24/15 09:26	BJB	TAL SAV
Total/NA	Prep	7470A			50 mL	50 mL	368101	01/23/15 10:19	JKL	TAL SAV
Total/NA	Analysis	7470A		1	50 mL	50 mL	368212	01/23/15 16:44	JKL	TAL SAV
Total/NA	Analysis	350.1		1	2 mL	2 mL	368444	01/26/15 16:49	JME	TAL SAV
Total/NA	Analysis	353.2		5	10 mL	10 mL	155018	01/22/15 12:29	ELE	TAL TAM
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	155014	01/22/15 13:15	TFH	TAL TAM
Total/NA	Analysis	Field Sampling		1			155272	01/21/15 12:10	FS	TAL TAM

Client Sample ID: Trip Blank 012115

Date Collected: 01/21/15 00:00

Date Received: 01/21/15 15:50

Lab Sample ID: 660-65007-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155136	01/27/15 16:26	SCC	TAL TAM
Total/NA	Prep	8011			34.7 mL	2 mL	368458	01/27/15 11:53	GEM	TAL SAV
Total/NA	Analysis	8011		1	34.7 mL	2 mL	368500	01/27/15 19:22	GEM	TAL SAV

Client Sample ID: MW-6

Date Collected: 01/21/15 10:28

Date Received: 01/21/15 15:50

Lab Sample ID: 660-65009-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	5 mL	5 mL	368098	01/23/15 16:20	RWB	TAL SAV
Total/NA	Analysis	300.0		10	5 mL	5 mL	368346	01/26/15 17:54	AJO	TAL SAV
Total Recoverable	Prep	3005A			50 mL	250 mL	368062	01/23/15 07:32	CRW	TAL SAV
Total Recoverable	Analysis	6020		1	50 mL	250 mL	368322	01/24/15 05:50	BJB	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	155085	01/26/15 15:25	TFH	TAL TAM
Total/NA	Analysis	Field Sampling		1			155144	01/21/15 10:28	FS	TAL TAM

Client Sample ID: MW-18

Date Collected: 01/21/15 11:33

Date Received: 01/21/15 15:50

Lab Sample ID: 660-65010-1

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155136	01/27/15 15:30	SCC	TAL TAM
Total/NA	Analysis	Field Sampling		1			155144	01/21/15 11:33	FS	TAL TAM

TestAmerica Tampa

Lab Chronicle

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Client Sample ID: MW-19

Date Collected: 01/21/15 13:17

Date Received: 01/21/15 15:50

Lab Sample ID: 660-65010-2

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155136	01/27/15 14:53	SCC	TAL TAM
Total/NA	Analysis	Field Sampling		1			155144	01/21/15 13:17	FS	TAL TAM

Client Sample ID: Trip Blank - 65010

Date Collected: 01/21/15 00:00

Date Received: 01/21/15 15:50

Lab Sample ID: 660-65010-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155136	01/27/15 14:35	SCC	TAL TAM

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427



Method Summary

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Method	Method Description	Protocol	Laboratory
524.2	Total Trihalomethane Calculation	EPA-DW	TAL SAV
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	TAL SAV
300.0	Anions, Ion Chromatography	MCAWW	TAL SAV
6020	Metals (ICP/MS)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV
350.1	Nitrogen, Ammonia	MCAWW	TAL SAV
353.2	Nitrate	MCAWW	TAL TAM
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL TAM
Field Sampling	Field Sampling	EPA	TAL TAM

Protocol References:

- EPA = US Environmental Protection Agency
- EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SM = "Standard Methods For The Examination Of Water And Wastewater",
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

- TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858
- TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427



Certification Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - January 2015

TestAmerica Job ID: 660-64974-1

Laboratory: TestAmerica Tampa

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Florida	NELAP	4	E84282	06-30-15

Laboratory: TestAmerica Savannah

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Florida	NELAP	4	E87052	06-30-15

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

TestAmerica Orlando
 8010 Support Drive Suite 116
 Orlando, FL 32809
 Phone (800) 851-2560 Fax (407) 856-0886

Chain of Custody Record

TestAmerica
 15000 N. US Highway 1, Suite 116, Orlando, FL 32811

Client Information
 Client Contact: Shawn Victory Lab P/N: _____
 Phone: 407-399-3348 E-Mail: less.hornsby@testamerica.com
 Company: CDM Smith, Inc. Carrier Tracking No(s): _____

Address: 1715 North Westshore Blvd Suite 875
 City: Tampa
 State, Zip: FL, 33607
 Phone: _____
 Email: SchmausND@cdmsmith.com
 Project Name: Citrus County LF Semi-Annual
 Project #/SSOW#: 66003335
 Site: Florida

Due Date Requested: _____
 TAT Requested (days): _____
 PO #: _____
 Purchase Order Requested: _____
 WO #: _____
 Project #: _____
 SSOW#: _____

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=oil, A=air)	Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Analysis Requested		Preservation Codes:	Special Instructions/Note:
					Field Filtered	MS/MSD	353.2 - Nitrate	2540C - Total Dissolved Solids	6020, 7470A	Field Sampling - Field Parameters		
Field Blank	1-20-15	1255	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MW-10		1140		Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Diss Metals / G/Hand
MW-21		1312		Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Diss Metals / E/Hand
MW-17		1448		Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MW-15		1550		Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MW-11		1227		Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MW-12		1349		Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MW-13		1508		Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MW-14		1215		Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TriP Blank	1-20-15		G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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

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

Special Instructions/QC Requirements: _____

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: Shawn Victory Date/Time: 1-20-15 1750

Relinquished by: _____ Date/Time: _____

Relinquished by: _____ Date/Time: _____

Custody Seals Intact: Yes No

Custody Seal No: _____

Company: TestAmerica

Received by: Shawn Victory Date/Time: 1/20/15 1750

Received by: _____ Date/Time: _____

Received by: _____ Date/Time: _____

Company: TestAmerica

Company: TestAmerica

Company: TestAmerica

Chain of Custody Record

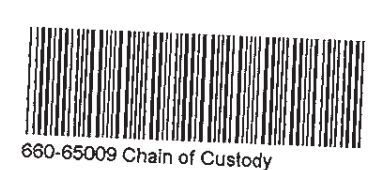
Client Information Client Contact: Mr. Nathan Schmaus Company: CDM Smith, Inc. Address: 1715 North Westshore Blvd., Suite 875 City: Tampa State, Zip: FL, 33607 Phone: _____ Email: SchmausND@cdmsmith.com Project Name: Citrus County LF Semi-Annual Site: Florida		Lab PIV: Hornsby, Jess E-Mail: jess.hornsby@testamericainc.com Phone: 407-399-3340 Due Date Requested: _____ TAT Requested (days): _____ PO #: _____ Purchase Order Requested: _____ WC #: 71138-94426-GROUNDWATER Project #: 66003335 SSO#: _____		Carrier Tracking (Nest): _____ COC No: 860-60628-12679.1 Page: Page 1 of 2 Job #: _____	
Analysis Requested 240C - Total Dissolved Solids 353.2 - Nitrate 6020, 7470A Field Sampling - Field Parameters 8260B - Appendix I Compounds 350.1 - Ammonia 8011 - Appendix 1 300 ORGFM_28D - Chloride		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> 353.2 - Nitrate 6020, 7470A Field Sampling - Field Parameters 8260B - Appendix I Compounds 350.1 - Ammonia 8011 - Appendix 1 300 ORGFM_28D - Chloride		Total Number of Containers: _____ Special Instructions/Note: _____	
Sample Identification MW-20 MW-7 MW-3 Trip Blank		Sample Date: 1-21-15 Sample Time: 852 1101 1210 1-21-15		Matrix (Water, Sealed, Open, BT-Thaw, As-Rep) Preservation Code: G Water Water Water Water Water Water Water Water Water Water	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Deliverable Requested: I, II, III, IV, Other (specify) _____		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Empty Kit Relinquished by: _____ Relinquished by: _____ Relinquished by: _____ Relinquished by: _____		Date: 1-21-15 1550 Date/Time: 1-21-15 1550 Date/Time: _____ Date/Time: _____		Method of Shipment: _____ Date/Time: 1-21-15 1550 Date/Time: _____ Date/Time: _____	
Relinquished by: _____ Company: TA Relinquished by: _____ Company: TA TAA Relinquished by: _____ Company: _____		Relinquished by: _____ Company: _____ Relinquished by: _____ Company: _____		Relinquished by: _____ Company: _____ Relinquished by: _____ Company: _____	
Custody Seals Intact: _____ Yes \ No		Custody Seal No: _____ 32/31 CU-09		Cooler Temperature(s) °C and Other Remarks: _____	



Client Information
Client Contact: Mr. Nathan Schmaus
Company: CDM Smith, Inc
Address: 1715 North Westshore Blvd, Suite 875
City: Tampa
State, Zip: FL, 33607
Phone:
Email: nschmaus@cdmsmith.com
Project Name: Citrus County LF Semi-Annual
Site: Florida
SSOM#:
Due Date Requested:
TAT Requested (days):
Purchase Order Requested:
WO #: 71138-94426-GROUNDWATER
Project #: 66003335
Field Filtered Sample (Yes or No)
Perform MS/MSD (Yes or No)
2540C - Total Dissolved Solids
Field Sampling - Field Parameters (inc. color and sheen)
THM_Calc - Total Trihalomethane Calculation
300_ORGFM_28D - Chloride
6020 - Arsenic, Iron, Sodium

Signature: *Nathan Schmaus*
Print Name: Nathan Schmaus
Job Title: *Project Manager*
E-Mail: n.schmaus@cdmsmith.com
Carrier Tracking No(s):
COC No: 660-60629-12880.1
Page: Page 1 of 1
Job #:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=other)	Preservation Code	Analysis Requested	Special Instructions/Note
MMW-6	1-21-15	1038	G	Water		2540C - Total Dissolved Solids Field Sampling - Field Parameters (inc. color and sheen) THM_Calc - Total Trihalomethane Calculation 300_ORGFM_28D - Chloride 6020 - Arsenic, Iron, Sodium	Total Number of containers: <input checked="" type="checkbox"/> Special Instructions/Note:



Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (Specify)
 Empty Kit Reiminished by: *[Signature]*
 Reiminished by: *[Signature]* Date/Time: 1-21-15 1345 Company: THM Tampa
 Reiminished by: *[Signature]* Date/Time: 1-21-15 1550 Company: THM Tampa
 Reiminished by: *[Signature]* Date/Time:
 Custody Seals Intact: Yes No
 Custody Seal No.:
 Special Instructions/OC Requirements:
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Method of Shipment:
 Date/Time: 1-21-15 1345 Company: THM Tampa
 Date/Time: 1-21-15 1550 Company: THM Tampa
 Cooler Temperature(s) and Other Remarks: *1, 4, 7, 3, 6, 10, 9*

TestAmerica Orlando
 8010 Sunport Drive Suite 118
 Orlando, FL 32809
 Phone (800) 851-2560 Fax (407) 556-0896

Chain of Custody Record

TestAmerica
 THERMAL ANALYSIS TESTING
 THERMAL ANALYSIS TESTING

Client Information
 Client Contact: Mr. Nathan Schmaus
 Company: CDM Smith, Inc.
 Address: 1715 North Westshore Blvd. Suite 875
 City: Tampa
 State, Zip: FL, 33607
 Phone: [blank]
 Email: SchmausND@cdmsmith.com
 Project Name: Citrus County LF Semi-Annual
 Site: Florida

Carrier Tracking No(s): [blank]
 Lab File: Hornsby, Jess
 E-Mail: jess.hornsby@testamericainc.com
 COC No: 660-60630-12681.1
 Page: Page 1 of 1
 Job #:

Due Date Requested: [blank]
 TAT Requested (days): [blank]
 Purchase Order Requested: [blank]
 WO #: 71138-94426-GROUNDWATER
 Project #: 66003335
 SSO/W#: [blank]

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soil)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Field Sampling - Field Parameters	Analysis Requested	Carrier Tracking No(s)	COC No:	Page:	Job #:
MMW-18	1-21-15	1338	G	Water	X	X	62608 - Benzene, MeCl, Vinyl Chloride			660-60630-12681.1	Page 1 of 1	
MMW-19	1-21-15	1317	G	Water	X	X						

Loc: 660
 65010



660-65010 Chain of Custody

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

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

Special Instructions/ACC 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

Empty Kit Relinquished by: [Signature]
 Date: [blank]

Relinquished by: [Signature]
 Date/Time: 1-21-15 1305
 Company: T&A Tampa

Relinquished by: [Signature]
 Date/Time: 1-21-15 1550
 Company: T&A Tampa

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

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

Cooler Temperature(s) °C and Other Remarks: 4/1/15 0409

64974-2

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

Meter #s: M1 / 1-3

PAGE: 1 of 1

SITE NAME: Citrus County Landfill SITE LOCATION: Leesville, FL
WELL NO: MW-10 SAMPLE ID: _____ DATE: 1-20-15

PURGING DATA

WELL DIAMETER (inches): 2 TUBING DIAMETER (inches): 1/4 WELL SCREEN INTERVAL DEPTH: 106.5 feet TO WATER (feet): 106.15 STATIC DEPTH TO WATER (feet): 106.15 PURGE PUMP TYPE OR BAILER: BP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
14.35 = 120.50 feet - 106.15 feet X 1/6 gallons/foot = 2.30 gallons
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

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):
<u>113</u>	<u>113</u>	<u>12:00</u>	<u>11:29</u>	<u>7.0</u>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (microhm/cm or µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L or % saturation)	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
<u>1032</u>	<u>2.30</u>	<u>2.30</u>	<u>0.7</u>	<u>106.17</u>	<u>4.37</u>	<u>22.6</u>	<u>55</u>	<u>1.48</u>	<u>34.0</u>	<u>clear</u>	<u>NO</u>	<u>-4.1</u>
<u>1046</u>	<u>.63</u>	<u>2.93</u>	<u>0.7</u>	<u>106.77</u>	<u>4.41</u>	<u>22.7</u>	<u>53</u>	<u>1.47</u>	<u>38.9</u>	<u>cloudy</u>		<u>-7.6</u>
<u>1049</u>	<u>.63</u>	<u>3.56</u>	<u>0.6</u>	<u>106.72</u>	<u>4.45</u>	<u>22.6</u>	<u>54</u>	<u>1.39</u>	<u>34.7</u>	<u>↓</u>		<u>-8.6</u>
<u>1056</u>	<u>.63</u>	<u>4.19</u>	<u>0.6</u>	<u>106.72</u>	<u>4.48</u>	<u>22.4</u>	<u>54</u>	<u>1.41</u>	<u>32.5</u>	<u>↓</u>		<u>-3.5</u>
<u>1104</u>	<u>.63</u>	<u>4.82</u>	<u>0.6</u>	<u>106.72</u>	<u>4.49</u>	<u>22.4</u>	<u>54</u>	<u>1.40</u>	<u>29.9</u>	<u>clear</u>		<u>-2.8</u>
<u>1112</u>	<u>.63</u>	<u>5.45</u>	<u>0.6</u>	<u>106.72</u>	<u>4.52</u>	<u>22.5</u>	<u>54</u>	<u>1.41</u>	<u>24.3</u>	<u>↓</u>		<u>-2.3</u>
<u>1120</u>	<u>.63</u>	<u>6.08</u>	<u>0.6</u>	<u>106.72</u>	<u>4.50</u>	<u>22.5</u>	<u>55</u>	<u>1.40</u>	<u>19.8</u>	<u>↓</u>		<u>1.3</u>
<u>1128</u>	<u>.63</u>	<u>6.71</u>	<u>0.6</u>	<u>106.72</u>	<u>4.48</u>	<u>22.7</u>	<u>55</u>	<u>1.53</u>	<u>23.5</u>	<u>↓</u>		<u>6.5</u>
									<u>Filtered Turbidity</u>	<u>4.22</u>		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.18; 3" = 0.37; 4" = 0.85; 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: Ben Victory / Fresh America SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1129 SAMPLING ENDED AT: 1140
PUMP OR TUBING DEPTH IN WELL (feet): 113 TUBING MATERIAL CODE: PE T FIELD-FILTERED: Y (N) FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N/replaced) DUPLICATE: Y (N)

SAMPL E ID CODE	# CONTAINERS	MATERIAL 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			
<u>MW-10</u>	<u>1</u>	<u>PE</u>	<u>300</u>	<u>UNP</u>	<u>0</u>	<u>4.5</u>	<u>TPD</u>	<u>BP</u>	<u>290</u>
	<u>2</u>	<u>PE</u>	<u>250</u>	<u>UNP</u>	<u>0</u>	<u><2.2</u>	<u>6020/7470A</u>		<u>↓</u>
	<u>2</u>	<u>PE</u>	<u>250/125</u>	<u>H2SO4</u>	<u>0</u>	<u><2.2</u>	<u>350.1/33.2</u>		<u>↓</u>
	<u>2</u>	<u>PE</u>	<u>1250</u>	<u>UNP</u>	<u>0</u>	<u>4.5</u>	<u>353.2/CI</u>		<u>↓</u>
	<u>3</u>	<u>CG</u>	<u>40</u>	<u>UNP</u>	<u>0</u>	<u>—</u>	<u>8260-B</u>		<u><150</u>
	<u>3</u>	<u>CG</u>	<u>40</u>	<u>HCl</u>	<u>0</u>	<u>—</u>	<u>SP11</u>		<u><150</u>

REMARKS: well purged @ 2 cpm 15/15 to 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

64974-3

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

Meter #s: M-1/T-3

PAGE: 1 of 1

SITE NAME: Citrus County Landfill SITE LOCATION: Lecanto, FL
WELL NO: MW-20 SAMPLE ID: DATE: 1-20-15

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): 108.49 PURGE PUMP TYPE OR BAILER: BP
WELL VOLUME PURGE: 17.21 = (125.40 - 108.49) x .16 = 2.75 gallons

Table with 12 columns: TIME, VOLUME PURGED (gallons), CUMUL. VOLUME PURGED (gallons), PURGE RATE (gpm), DEPTH TO WATER (feet), pH (standard units), TEMP. (°C), COND. (circle units) umhos/cm or uS/cm, DISSOLVED OXYGEN (circle units) (mg/L) or % saturation, TURBIDITY (NTUs), COLOR describe, ODOR, ORP. Includes data rows for 12:35, 12:44, 12:53, 1:01 and a note for Filtered Turbidity.

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.66; 5" = 1.02; 6" = 1.47; 12" = 6.88
TUBING INSIDE DIA. CAPACITY (Gal./FL): 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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Sham Vicky Test America SAMPLER(S) SIGNATURE(S): J. H. Vicky
SAMPLING INITIATED AT: 1302 SAMPLING ENDED AT: 1312
PUMP OR TUBING DEPTH IN WELL (feet): 122 TUBING MATERIAL CODE: PE T FIELD-FILTERED: Y FILTER SIZE: 0.5 um

Table with 10 columns: SAMPL E ID CODE, # CONTAINERS, MATERIAL CODE, VOLUME, PRESERVATIVE USED, TOTAL VOL ADDED IN FIELD (mL), FINAL pH, INTENDED ANALYSIS AND/OR METHOD, SAMPLING EQUIPMENT CODE, SAMPLE PUMP FLOW RATE (mL per minute). Includes data for samples 1, 2, 3.

REMARKS: purged @ 2 cpm 15 GAPS
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. STA UTILIZATION 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); optional y, ± 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

64974-4

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

Meter #s: M-1 / T-3

PAGE: 1 of 1

SITE NAME: Citrus County Landfill SITE LOCATION: Lecanto, FL WELL NO: MW-17 SAMPLE ID: DATE: 1-20-15

PURGING DATA

WELL DIAMETER (inches): 2 TUBING DIAMETER (inches): 1/4 WELL SCREEN INTERVAL DEPTH: 98 feet to 118 feet STATIC DEPTH TO WATER (feet): 104.85 PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY 13.15 = 118.0 feet - 104.85 feet X .16 gallons/foot = 2.11 gallons

Table with 13 columns: TIME, VOLUME PURGED (gallons), CUMUL. VOLUME PURGED (gallons), PURGE RATE (gpm), DEPTH TO WATER (feet), pH (standard units), TEMP. (°C), COND. (circle units), DISSOLVED OXYGEN (circle units), TURBIDITY (NTUs), COLOR describe, ODOR, ORP. Rows show data for times 1434, 1438, and 1442.

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dean Victory / Test America SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1442 SAMPLING ENDED AT: 1448

Table with 10 columns: SAMPLE ID CODE, # CONTAINERS, MATERIAL CODE, VOLUME, PRESERVATIVE USED, TOTAL VOL ADDED IN FIELD (mL), FINAL pH, INTENDED ANALYSIS AND/OR METHOD, SAMPLING EQUIPMENT CODE, SAMPLE PUMP FLOW RATE (mL per minute). Rows show sample MW-17 with 3 containers.

REMARKS: Purged @ 2 CPM 15/15 65 psi MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; 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)

53

64974-5

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

Meter #s: M-1 / F-3

PAGE: 1 of 1

SITE NAME: Citrus County Landfill SITE LOCATION: Lecanto, FL
WELL NO: MW-15 SAMPLE ID: DATE: 1-20-15

PURGING DATA

WELL DIAMETER (inches): 2 TUBING DIAMETER (inches): 1/4 WELL SCREEN INTERVAL DEPTH: 110 feet to 130 feet STATIC DEPTH TO WATER (feet): 117.36 PURGE PUMP TYPE OR BAILER: BP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

Table with columns: TIME, VOLUME PURGED (gallons), CUMUL. VOLUME PURGED (gallons), PURGE RATE (gpm), DEPTH TO WATER (feet), pH (standard units), TEMP. (°C), COND. (microhm/cm or µS/cm), DISSOLVED OXYGEN (circle units) mg/L or % saturation, TURBIDITY (NTUs), COLOR describe, ODOR, ORP

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: Jean Victory / TestAmerica SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1544 SAMPLING ENDED AT: 1550
PUMP OR TUBING DEPTH IN WELL (feet): 124 TUBING MATERIAL CODE: P.E.T. FIELD-FILTERED: Y (N) FILTER SIZE: µm

Table with columns: SAMPLE CONTAINER SPECIFICATION (SAMPLER CODE, # CONTAINERS, MATERIAL CODE, VOLUME), SAMPLE PRESERVATION (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)

REMARKS: Purged @ 1 cpm 30/70 psi

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

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

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2) optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
Revision Date: February 12, 2009

GROUNDWATER SAMPLING LOG SET A

Meters: HACH 04100034256 / YSI 03H100611

COCH#:

SITE NAME: Citrus County Landfill SITE LOCATION: Lecanto Fla.
 WELL NO: MW-11 SAMPLE ID: MW-11 DATE: 1-20-15

PURGING DATA

WELL DIAMETER (inches): 2" TUBING DIAMETER (inches): 1/4" WELL SCREEN INTERVAL DEPTH: 92 feet to 112 feet STATIC DEPTH TO WATER (feet): 98.87 PURGE PUMP TYPE OR BAILER: D.B.P.
 Measuring Point Elevation (ft/msl) MP Elevation = _____ Water Level = _____ Water Level Elevation

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable) (13.13) = (112.00 feet - 98.87 feet) X .16 gallons/foot = 2.10 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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 109' FINAL PUMP OR TUBING DEPTH IN WELL (feet): 109' PURGING INITIATED AT: 1140 PURGING ENDED AT: 1210 TOTAL VOLUME PURGED (gallons): 3.30

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L)	TURBIDITY (NTUs)	GRP	COLOR describe	ODOR
1208	2.20	2.20	.11	98.91	6.81	20.6	478	.94	4.61	145.2	clear	no
1205	.55	2.75	.11	98.91	6.84	20.6	479	.91	4.36	139.7	clear	no
1210	.55	3.30	.11	98.91	6.84	20.6	479	.87	3.95	139.1	clear	no

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0028; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016 S.F. 1-20-15
 PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Sam Esser SAMPLER(S) SIGNATURE(S): Sam Esser SAMPLING INITIATED AT: 1212 SAMPLING ENDED AT: 1227
 PUMP OR TUBING DEPTH IN WELL (feet): 109' TUBING MATERIAL CODE: T FIELD-FILTERED: Y (N) FILTER SIZE: _____ 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-11	3	CG	40ML	HCL	0	<2.0	804	D.B.P.	440 ^{S.F.} <100	
	3	CG	40ML	none		6.84	8260 B		<100	
	1	PE	250ML	HNO3		<2.0	0020, 7420A		440	
	2		125	H2SO4		<2.0	353.2			
	1		125	none		6.84	300.0280			
	1		250	H2SO4		<2.0	350.15E 30.1			
	1		500	none			2540C			

REMARKS: 1
 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)

GROUNDWATER SAMPLING LOG SET A

COC#: _____

Meters: HACH 04100034256 / YSI 08H100611

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>Lecanto Fla.</u>
WELL NO: <u>MW-12</u>	SAMPLE ID: <u>MW-12</u>
DATE: <u>1-20-15</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/4"</u>	WELL SCREEN INTERVAL DEPTH: <u>90</u> feet to <u>110</u> feet	STATIC DEPTH TO WATER (feet): <u>97.52</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl) = _____ MP Elevation = _____ Water Level = _____ = Water Level Elevation				

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) $(12.48) = (110.00 \text{ feet} - 97.52 \text{ feet}) \times 1.6 \text{ gallons/foot} = 1.99 \text{ gallons}$

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>107'</u>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <u>107'</u>	PURGING INITIATED AT: <u>1250</u>	PURGING ENDED AT: <u>1330</u>	TOTAL VOLUME PURGED (gallons): <u>41.00</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) (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L)	TURBIDITY (NTUs)	ORP	COLOR describe	ODOR
1310	2.00	2.00	.10	97.59	6.75	23.4	563	.58	14.6	-161	Clear	no
1315	.50	2.50	.10	97.59	6.75	23.5	564	.56	9.56	-161	Clear	no
1320	.50	3.00	.10	97.59	6.75	23.5	564	.55	4.57	-159	Clear	no
1325	.50	3.50	.10	97.57	6.75	23.5	565	.53	3.82	-158	Clear	no
1330	.50	4.00	.10	97.59	6.75	23.5	565	.53	3.26	-158	Clear	no

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Sam Esser</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1335</u>	SAMPLING ENDED AT: <u>1549</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>107'</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)	

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			
MW-12	3	CG	40mL	none	0	6.75	8260B	BP	2120
	3	CG	40mL	HCL		<2.0	80H		2120
	1	P	500mL	none		6.75	2540C		4000
	1	P	250mL	H2SO4		<2.0	350.1		
	1	P	250mL	NITRIC		<2.0	6626.7470A		
	1	P	125mL	H2SO4		<2.0	353.2		

REMARKS: 353.225 none 6.75 353.2 2 cpm 14/16 50RSL

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)

GROUNDWATER SAMPLING LOG SET A

COC#: _____

Meters: -HACH 04100034256 / YSI 08H100611

SITE NAME: <u>Citrus County Landfill</u>		SITE LOCATION: <u>Lecanto Fla.</u>	
WELL NO: <u>MW-13</u>	SAMPLE ID: <u>MW-13</u>	DATE: <u>1.20.15</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>1/4</u>	WELL SCREEN INTERVAL DEPTH: feet to _____ feet	STATIC DEPTH TO WATER (feet): <u>105.92</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl) MP Elevation = _____		- Water Level = Water Level Elevation		

WELL VOLUME PURGE: (only fill out if applicable) \uparrow WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(13.58) = (119.50 feet - 105.92 feet) X 1.16 gallons/foot = 2.17 gallons

EQUIPMENT VOLUME PURGE: (only fill out if applicable) 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 = _____ 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>1422</u>	PURGING ENDED AT: <u>1454</u>	TOTAL VOLUME PURGED (gallons): <u>3.20</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) (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L)	TURBIDITY (NTUs)	ORP	COLOR describe	ODOR
<u>1444</u>	<u>2.20</u>	<u>2.20</u>	<u>.10</u>	<u>106.40</u>	<u>5.37</u>	<u>23.2</u>	<u>81</u>	<u>.85</u>	<u>9.68</u>	<u>-39</u>	<u>Clear</u>	<u>no</u>
<u>1449</u>	<u>.50</u>	<u>2.70</u>	<u>.10</u>	<u>106.40</u>	<u>5.35</u>	<u>23.2</u>	<u>81</u>	<u>.79</u>	<u>4.79</u>	<u>-41</u>	<u>Clear</u>	<u>no</u>
<u>1454</u>	<u>.50</u>	<u>3.20</u>	<u>.10</u>	<u>106.40</u>	<u>5.30</u>	<u>23.2</u>	<u>81</u>	<u>.68</u>	<u>4.34</u>	<u>-43</u>	<u>Clear</u>	<u>no</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>Sam Esser</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1456</u>	SAMPLING ENDED AT: <u>1508</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>117</u>	TUBING MATERIAL CODE: <u>PE</u>	FIELD-FILTERED: Y <u>(N)</u>	FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP Y <u>(N)</u>	TUBING Y <u>(N)</u> (replaced)	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)
SAMPLER ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>MW13</u>	<u>3</u>	<u>CG</u>	<u>40ML</u>	<u>HCl</u>	<u>0</u>	<u>12</u>	<u>804</u>	<u>BP</u>	<u><120</u>
	<u>2</u>	<u>CG</u>	<u>40ML</u>	<u>none</u>		<u>5.30</u>	<u>820.5</u>		<u>420</u>
	<u>1</u>	<u>PE</u>	<u>250ML</u>	<u>HNO3</u>		<u>4.2</u>	<u>6020, 2470A</u>		<u>400</u>
	<u>2</u>		<u>125ML</u>	<u>H2SO4</u>		<u>4.2</u>	<u>353.2</u>		
	<u>1</u>		<u>125ML</u>	<u>none</u>		<u>5.30</u>	<u>300.0 28D</u>		
	<u>1</u>		<u>250ML</u>	<u>H2SO4</u>		<u><2</u>	<u>350.1</u>		

REMARKS: 500ml none
5.30 2540e
2CPM - 60PSI 14/16

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)

GROUNDWATER SAMPLING LOG SET A

COC#:

Meters: HACH 04100034256 / YSI 08H100611

SITE NAME: Citrus County Landfill SITE LOCATION: Lecanto Fla.
 WELL NO: MW-14 SAMPLE ID: MW-14 DATE: 1.20.15

PURGING DATA

WELL DIAMETER (inches): 2" TUBING DIAMETER (inches): 1/4" WELL SCREEN INTERVAL DEPTH: 96 feet to 116 feet STATIC DEPTH TO WATER (feet): 102.66 PURGE PUMP TYPE OR BAILER: BP
 Measuring Point Elevation (ft/msl) MP Elevation = _____ - Water Level = _____ Water Level Elevation

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable) $(116.00 - 102.66) \times 2.13 = 28.34$ gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 115 FINAL PUMP OR TUBING DEPTH IN WELL (feet): 115 PURGING INITIATED AT: 1531 PURGING ENDED AT: 1603 TOTAL VOLUME PURGED (gallons): 3.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L)	TURBIDITY (NTUs)	ORP	COLOR describe	ODOR
1553	2.20	2.20	.10	102.69	6.78	23.0	497	.41	1.91	-10.6	Clear	no
1558	1.50	3.70	.10	102.69	6.78	23.0	498	.41	1.97	-13.1	Clear	no
1603	1.50	3.20	.10	102.69	6.78	23.0	497	.39	1.79	-14.6	Clear	no

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
 PURGING EQUIPMENT CODES: B = Bailor, BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Sam Esser SAMPLER(S) SIGNATURE(S): Sam Esser SAMPLING INITIATED AT: 1606 SAMPLING ENDED AT: 1615
 PUMP OR TUBING DEPTH IN WELL (feet): 115 TUBING MATERIAL CODE: PE FIELD-FILTERED: Y N FILTER SIZE: _____ µm
 FIELD DECONTAMINATION: PUMP Y N TUBING Y N (replaced) DUCTILE: Y N

SAMPL. E.ID. CODE	# CONTAINERS	MATERIAL 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			
MW-14	3	CG	40ML	HCl	0	6.78	8011	BP	2120
	3	CG	40ML	none		6.78	8260B		2120
	1	PE	250ML	H2SO4		6.78	6020, 7470A		600
	2		125ML	H2SO4		6.78	353.2		
	1		125ML	none		6.78	300.0 28D		
	1		250ML	H2SO4		6.78	350.1		
	1		300ML	none		6.78	2540C		

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)

65007-1

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

Meter #'s: M-1 / T-3

PAGE: 1 of 1

SITE NAME: Citrus County Landfill
SITE LOCATION: Lecanto, FL
WELL NO: M-20
SAMPLE ID:
DATE: 1-21-15

PURGING DATA

WELL DIAMETER (inches): 2
TUBING DIAMETER (inches): 1.75
WELL SCREEN INTERVAL DEPTH: 108 feet to 125 feet
STATIC DEPTH TO WATER (feet): 112.73
PURGE PUMP TYPE OR BAILER: BP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
12.97 = (125.70 feet - 112.73 feet) X .16 gallons/foot = 2.08 gallons

Table with 13 columns: TIME, VOLUME PURGED (gallons), CUMUL. VOLUME PURGED (gallons), PURGE RATE (gpm), DEPTH TO WATER (feet), pH (standard units), TEMP. (°C), COND. (circles units) (µmhos/cm or µS/cm), DISSOLVED OXYGEN (circle units) (mg/L) or % saturation, TURBIDITY (NTUs), COLOR describe, ODOR, ORP. Rows include data for times 828, 835, and 842.

WELL CAPACITY (Gallons Per Foot): 0.76" = 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: Shantley West America
SAMPLER(S) SIGNATURE(S):
SAMPLING INITIATED AT: 842
SAMPLING ENDED AT: 852
PUMP OR TUBING DEPTH IN WELL (feet): 122
TUBING MATERIAL CODE: PET
FIELD-FILTERED: Y
FILTER SIZE:
FIELD DECONTAMINATION: PUMP Y, TUBING Y (replaced), DUPLICATE: Y

Table with 10 columns: SAMPL. E ID CODE, # CONTAINERS, MATERIAL CODE, VOLUME, PRESERVATIVE USED, TOTAL VOL ADDED IN FIELD (mL), FINAL pH, INTENDED ANALYSIS AND/OR METHOD, SAMPLING EQUIPMENT CODE, SAMPLE PUMP FLOW RATE (mL per minute). Rows include data for samples M-20, 1, 2, 3.

REMARKS: purged @ 2 gpm 15/15 65 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

GROUNDWATER SAMPLING LOG SET A

COC#: _____

Meters: HACH 04100034256 / YSI 08H100611

SITE NAME: Citrus County Landfill SITE LOCATION: Lecanto Fla.
 WELL NO: MW-7 SAMPLE ID: MW-7 DATE: 1.21.15

PURGING DATA

WELL DIAMETER (inches): 2" TUBING DIAMETER (inches): 1/4" WELL SCREEN INTERVAL DEPTH: 117 feet to 139.06 feet
 Measuring Point Elevation (ft/msl) MP Elevation = _____ - Water Level = _____ Static Depth TO WATER (feet): 121.22 PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable) $(17.86) = (139.06 \text{ feet} - 121.22 \text{ feet}) \times .16 \text{ gallons/foot} = 2.85 \text{ gallons}$

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): 138 FINAL PUMP OR TUBING DEPTH IN WELL (feet): 138 PURGING INITIATED AT: 0954 PURGING ENDED AT: 1046 TOTAL VOLUME PURGED (gallons): 4.16

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/l)	TURBIDITY (NTUs)	CRP	COLOR describe	ODOR
1030	2.88	2.88	.08	130.06	5.05	24.2	112	.39	1.96	-80	Clear	no
1038	.64	3.52	.08	131.69	5.03	24.2	110	.39	1.75	-78	Clear	no
1046	.64	4.16	.08	133.01	5.00	24.2	109	.38	1.56	-57	Clear	no

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Sam Esser SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1048 SAMPLING ENDED AT: 1101
 PUMP OR TUBING DEPTH IN WELL (feet): 138' TUBING MATERIAL CODE: PE FIELD-FILTERED: Y (N) FILTER SIZE: _____ 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-7	1	PE	500	none	0	5.00	TDS	BP	320
	1		250	HNO3		< 2	6020/7420R		
	2		125	H2SO4		< 2	350, 1353.2		
	2		125	none		5.00	3532/CC		
	3	CG	40	HCL		< 2	8011		< 100
	3	CG	40	none		5.00	8200B		< 100

REMARKS: Purged @ 2 CPM 15/15 70 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; 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)

GROUNDWATER SAMPLING LOG SET A

Meters: HACH 04100034256 / YSI 08H100611

COC#:

SITE NAME: Cotrus County Landfill SITE LOCATION: Lecanto Fla.
WELL NO: MW-3 SAMPLE ID: MW-3 DATE: 1.21.15

PURGING DATA

WELL DIAMETER (inches): 2" TUBING DIAMETER (inches): 1/4" WELL SCREEN INTERVAL DEPTH 104 feet to 119 feet STATIC DEPTH TO WATER (feet): 112.54 PURGE PUMP TYPE OR BAILER: BP
Measuring Point Elevation (ft/msl) MP Elevation = _____ - Water Level = _____ Water Level Elevation

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) (6.46) = (119.00 - 112.54) feet X .16 gallons/foot = 1.03 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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 117 FINAL PUMP OR TUBING DEPTH IN WELL (feet): 117 PURGING INITIATED AT: 1120 PURGING ENDED AT: 1148 TOTAL VOLUME PURGED (gallons): 1.68

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L)	TURBIDITY (NTUs)	ORP	COLOR describe	ODOR
1138	1.08	1.08	.06	114.52	4.78	22.0	55	4.19	.54	184	Clear	No
1143	.30	1.38	.06	114.60	4.71	22.0	56	4.17	.61	185	Clear	No
1148	.30	1.68	.06	114.60	4.70	22.0	56	4.15	.51	186	Clear	No

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Scam Esser SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1150 SAMPLING ENDED AT: 1210
PUMP OR TUBING DEPTH IN WELL (feet): 117 TUBING MATERIAL CODE: PE FIELD-FILTERED: Y (N) FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPL. E ID. CODE	# CONTAINERS	MATERIAL 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			
MW-3	1	PE	300	none	8	4.70	BP	340	
	1		250	HNO3		4.2			
	2		125	H2SO4		4.2			
	2		125	none		4.70			
	3	CG	40	HCl		4.2		100	
	3	CG	40	none		4.70		100	

REMARKS: Purged @ 2000 ¹⁵/₁₅ 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; 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)

65009-1

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

Meter #'s: M-1 / T-3

PAGE: 1 of 1

SITE NAME: Citrus County Landfill SITE LOCATION: Lecanto, FL WELL NO: Mw-6 SAMPLE ID: DATE: 1-21-15

PURGING DATA

WELL DIAMETER (inches): 2 TUBING DIAMETER (inches): 1/4 WELL SCREEN INTERVAL DEPTH: 112 feet to 122 feet STATIC DEPTH TO WATER (feet): 110.89 PURGE PUMP TYPE OR BAILER: BP

Table with 12 columns: TIME, VOLUME PURGED (gallons), CUMUL. VOLUME PURGED (gallons), PURGE RATE (gpm), DEPTH TO WATER (feet), pH (standard units), TEMP. (°C), COND. (microhos/cm or % saturation), DISSOLVED OXYGEN (circle units mg/L or % saturation), TURBIDITY (NTUs), COLOR describe, ODOR, ORP. Includes data rows for 1008, 1013, 1018, 1023.

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: Test America SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1023 SAMPLING ENDED AT: 1025

Table with 10 columns: SAMPL. E ID CODE, # CONTAINERS, MATERIAL CODE, VOLUME, PRESERVATIVE USED, TOTAL VOL ADDED IN FIELD (mL), FINAL pH, INTENDED ANALYSIS AND/OR METHOD, SAMPLING EQUIPMENT CODE, SAMPLE PUMP FLOW RATE (mL per minute). Includes data for Mw-6.

REMARKS: Purged @ 2 GPM 15/60PS! 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: M4/T-3

PAGE: 1 of 1

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>Leecanto, FL</u>
WELL NO: <u>MW-18</u>	SAMPLE ID: _____ DATE: <u>1-21-15</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>108.19</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>11.51</u> = (<u>119.70</u> feet - <u>108.19</u> feet) X <u>.16</u> gallons/foot = <u>1.85</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>1050</u>	PURGING ENDED AT: <u>1130</u>	TOTAL VOLUME PURGED (gallons): <u>3.0</u>
---------------------------------------------------------	-------------------------------------------------------	-----------------------------------	-------------------------------	-------------------------------------------

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
1114	1.85	1.85	.06	114.70	4.85	23.1	54	2.77	8.79	clear	ND	148
1122	.48	2.33	.06	water level	4.84	23.1	50	2.20	14.0	↓	↓	144
1130	.48	2.81	.05	below top of pump	4.74	23.1	49	2.27	19.4	↓	↓	141

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>Shawn Vickroy Test America</u>	SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1130</u>	SAMPLING ENDED AT: <u>1133</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>115</u>	TUBING MATERIAL CODE: <u>TT</u>	FIELD-FILTERED: Y <input checked="" type="checkbox"/>	FILTER SIZE: _____ µm
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			
<u>MW18</u>	<u>3</u>	<u>CA</u>	<u>40</u>	<u>OWP</u>	<u>0</u>	<u>—</u>	<u>8260B</u>	<u>BP</u>	<u><150</u>

REMARKS: purged @ 100pm 40/120 59 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-3

PAGE: 1 of 1

SITE NAME: Citrus County Landfill SITE LOCATION: Lecanto, FL WELL NO: MW-19 SAMPLE ID: DATE: 1-21-15

PURGING DATA

WELL DIAMETER (Inches): 2 TUBING DIAMETER (Inches): 1/4 WELL SCREEN INTERVAL DEPTH: 30 feet to 140 feet STATIC DEPTH TO WATER (feet): 106.24 PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) 33.76 = 140.0 feet - 106.24 feet x .16 gallons/foot = 5.40 gallons

Table with 13 columns: 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

Table with 13 columns: 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

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; 6/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shaun Victory / Test America SAMPLER(S) SIGNATURE(S): Shaun Victory SAMPLING INITIATED AT: 1316 SAMPLING ENDED AT: 1317

PUMP OR TUBING DEPTH IN WELL (feet): 117 TUBING MATERIAL CODE: T FIELD-FILTERED: Y (N) FILTER SIZE: µm

Table with 10 columns: SAMPLE CONTAINER SPECIFICATION (SAMPLER ID CODE, # CONTAINERS, MATERIAL CODE, VOLUME), SAMPLE PRESERVATION (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)

REMARKS: Dropped @ 1.0 cpm 30/30 6.5 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

McCaughey, Becky

From: Victory, Shawn
Sent: Thursday, January 22, 2015 11:44 AM
To: McCaughey, Becky
Subject: RE: Citrus County Field Sheets

No sheen

SHAWN VICTORY
Field Services/Customer Service

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

6200 Hazeltine National Dr. Suite 114

Orlando, FL 32822

Tel.407.851.2560 ext 218

Cell. 407.399.3348

www.testamericainc.com

-----Original Message-----

From: McCaughey, Becky
Sent: Thursday, January 22, 2015 11:15 AM
To: Victory, Shawn
Subject: FW: Citrus County Field Sheets

Hi Shawn,
Do you remember if any of these MW samples had sheen? Thanks.

Bunny McCaughey
Project Management Assistant I

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

6712 Benjamin Road, Suite 100

Tampa, FL 33634

Tel 813.885.7427

www.testamericainc.com

-----Original Message-----

From: Hornsby, Jess
Sent: Thursday, January 22, 2015 9:35 AM
To: McCaughey, Becky
Subject: FW: Citrus County Field Sheets

JESS HORNSBY

Project Manager

TestAmerica

Tampa, FL

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-64974-1

Login Number: 64974

List Source: TestAmerica Tampa

List Number: 1

Creator: Conner, Keaton

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-64974-1

Login Number: 64974

List Number: 2

Creator: White, Menica R

List Source: TestAmerica Savannah

List Creation: 01/22/15 09:57 AM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	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: 660-64974-1

Login Number: 65007

List Source: TestAmerica Tampa

List Number: 1

Creator: Southers, Kristin B

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-64974-1

Login Number: 65007

List Number: 2

Creator: White, Menica R

List Source: TestAmerica Savannah

List Creation: 01/22/15 03:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-64974-1

Login Number: 65009

List Source: TestAmerica Tampa

List Number: 1

Creator: Southers, Kristin B

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-64974-1

Login Number: 65009

List Number: 2

Creator: White, Menica R

List Source: TestAmerica Savannah

List Creation: 01/22/15 03:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-64974-1

Login Number: 65010

List Source: TestAmerica Tampa

List Number: 1

Creator: Southers, Kristin B

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received and the COC.	True	Received Trip Blank not listed on COC.
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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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Tampa, FL 33634
Tel: (813)885-7427

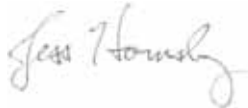
TestAmerica Job ID: 660-65008-1

Client Project/Site: Citrus Co LF Leachate Sampling

For:

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

Attn: Mr. Nathan Schmaus



Authorized for release by:
2/3/2015 2:05:58 PM

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LINKS

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

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

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Sample Summary

Client: CDM Smith, Inc.
Project/Site: Citrus Co LF Leachate Sampling

TestAmerica Job ID: 660-65008-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-65008-1	Leachate Effluent	Water	01/21/15 09:13	01/21/15 15:50
660-65008-2	Trip Blank - Leachate	Water	01/21/15 00:00	01/21/15 15:50

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

Case Narrative

Client: CDM Smith, Inc.
Project/Site: Citrus Co LF Leachate Sampling

TestAmerica Job ID: 660-65008-1

Job ID: 660-65008-1

Laboratory: TestAmerica Tampa

Narrative

Receipt

The samples were received on 1/21/2015 3:50 PM; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 1.3°C.

GC/MS VOA

Method 524.2: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 368254.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Field Service / Mobile Lab

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



Definitions/Glossary

Client: CDM Smith, Inc.
Project/Site: Citrus Co LF Leachate Sampling

TestAmerica Job ID: 660-65008-1

Qualifiers

GC/MS VOA

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

mHPC/LC

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.

General Chemistry

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

Glossary

Abbreviation	These are the only abbreviations that may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: CDM Smith, Inc.
 Project/Site: Citrus Co LF Leachate Sampling

TestAmerica Job ID: 660-65008-1

Client Sample ID: Leachate Effluent

Lab Sample ID: 660-65008-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromodichloromethane	39		0.50	0.079	ug/L	1		524.2	Total/NA
Bromoform	2.0		0.50	0.17	ug/L	1		524.2	Total/NA
Chloroform	70		0.50	0.20	ug/L	1		524.2	Total/NA
Dibromochloromethane	12		0.50	0.13	ug/L	1		524.2	Total/NA
Trihalomethanes, Total	120		0.50	0.079	ug/L	1		524.2	Total/NA
Chloride	590		10	4.0	mg/L	20		300.0	Total/NA
Arsenic	11		10	4.0	ug/L	1		6010B	Total
Sodium	370000		500	310	ug/L	1		6010B	Total
Ammonia	0.29		0.050	0.026	mg/L	1		350.1	Recoverable
Total Dissolved Solids	1600		10	10	mg/L	1		SM 2540C	Total/NA
Color	Light yellow				Color Units	1		Field Sampling	Total/NA
Field pH	7.60				SU	1		Field Sampling	Total/NA
Field Temperature	17.9				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	1.01				mg/L	1		Field Sampling	Total/NA
Sheen	No				SU	1		Field Sampling	Total/NA
Specific Conductance	2700				umhos/cm	1		Field Sampling	Total/NA
Turbidity	10.21				NTU	1		Field Sampling	Total/NA
Water Level	0				ft	1		Field Sampling	Total/NA

Client Sample ID: Trip Blank - Leachate

Lab Sample ID: 660-65008-2

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus Co LF Leachate Sampling

TestAmerica Job ID: 660-65008-1

Client Sample ID: Leachate Effluent

Lab Sample ID: 660-65008-1

Date Collected: 01/21/15 09:13

Matrix: Water

Date Received: 01/21/15 15:50

Method: 524.2 - Total Trihalomethane Calculation

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	39		0.50	0.079	ug/L			01/25/15 15:04	1
Bromoform	2.0		0.50	0.17	ug/L			01/25/15 15:04	1
Chloroform	70		0.50	0.20	ug/L			01/25/15 15:04	1
Dibromochloromethane	12		0.50	0.13	ug/L			01/25/15 15:04	1
Trihalomethanes, Total	120		0.50	0.079	ug/L			01/25/15 15:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		70 - 130					01/25/15 15:04	1
1,2-Dichlorobenzene-d4	85		70 - 130					01/25/15 15:04	1

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			01/31/15 20:22	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/31/15 20:22	1
Toluene	0.51	U	1.0	0.51	ug/L			01/31/15 20:22	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			01/31/15 20:22	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/31/15 20:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		70 - 130					01/31/15 20:22	1
Dibromofluoromethane	115		70 - 130					01/31/15 20:22	1
Toluene-d8 (Surr)	100		70 - 130					01/31/15 20:22	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	590		10	4.0	mg/L			01/26/15 17:40	20

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11		10	4.0	ug/L		01/22/15 08:45	01/23/15 17:57	1
Sodium	370000		500	310	ug/L		01/22/15 08:45	01/23/15 17:57	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.29		0.050	0.026	mg/L			01/26/15 16:30	1
Total Dissolved Solids	1600		10	10	mg/L			01/26/15 15:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Light yellow				Color Units			01/21/15 09:13	1
Field pH	7.60				SU			01/21/15 09:13	1
Field Temperature	17.9				Degrees C			01/21/15 09:13	1
Oxygen, Dissolved	1.01				mg/L			01/21/15 09:13	1
Sheen	No				SU			01/21/15 09:13	1
Specific Conductance	2700				umhos/cm			01/21/15 09:13	1
Turbidity	10.21				NTU			01/21/15 09:13	1
Water Level	0				ft			01/21/15 09:13	1

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
 Project/Site: Citrus Co LF Leachate Sampling

TestAmerica Job ID: 660-65008-1

Client Sample ID: Trip Blank - Leachate

Lab Sample ID: 660-65008-2

Date Collected: 01/21/15 00:00

Matrix: Water

Date Received: 01/21/15 15:50

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.50	U	1.0	0.50	ug/L			01/31/15 17:50	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/31/15 17:50	1
Toluene	0.51	U	1.0	0.51	ug/L			01/31/15 17:50	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			01/31/15 17:50	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/31/15 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		70 - 130		01/31/15 17:50	1
Dibromofluoromethane	110		70 - 130		01/31/15 17:50	1
Toluene-d8 (Surr)	97		70 - 130		01/31/15 17:50	1

Surrogate Summary

Client: CDM Smith, Inc.
 Project/Site: Citrus Co LF Leachate Sampling

TestAmerica Job ID: 660-65008-1

Method: 524.2 - Total Trihalomethane Calculation

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)	12DCB (70-130)
660-65008-1	Leachate Effluent	87	85
LCS 680-368254/3	Lab Control Sample	100	98
LCSD 680-368254/4	Lab Control Sample Dup	99	102
MB 680-368254/8	Method Blank	95	94

Surrogate Legend

BFB = 4-Bromofluorobenzene
 12DCB = 1,2-Dichlorobenzene-d4

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)
660-65008-1	Leachate Effluent	90	115	100
660-65008-2	Trip Blank - Leachate	89	110	97
660-65114-A-1 DU	Duplicate	89	111	97
660-65114-D-2 MS	Matrix Spike	91	105	103
LCS 660-155299/5	Lab Control Sample	96	101	102
MB 660-155299/7	Method Blank	93	109	97

Surrogate Legend

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

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus Co LF Leachate Sampling

TestAmerica Job ID: 660-65008-1

Method: 524.2 - Total Trihalomethane Calculation

Lab Sample ID: MB 680-368254/8

Matrix: Water

Analysis Batch: 368254

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.079	U	0.50	0.079	ug/L			01/25/15 13:11	1
Bromoform	0.17	U	0.50	0.17	ug/L			01/25/15 13:11	1
Chloroform	0.20	U	0.50	0.20	ug/L			01/25/15 13:11	1
Dibromochloromethane	0.13	U	0.50	0.13	ug/L			01/25/15 13:11	1
Trihalomethanes, Total	0.079	U	0.50	0.079	ug/L			01/25/15 13:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		70 - 130		01/25/15 13:11	1
1,2-Dichlorobenzene-d4	94		70 - 130		01/25/15 13:11	1

Lab Sample ID: LCS 680-368254/3

Matrix: Water

Analysis Batch: 368254

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	20.0	20.9		ug/L		105	70 - 130
Bromoform	20.0	20.4		ug/L		102	70 - 130
Chloroform	20.0	20.3		ug/L		102	70 - 130
Dibromochloromethane	20.0	20.2		ug/L		101	70 - 130
Trihalomethanes, Total	80.0	81.8		ug/L		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	100		70 - 130
1,2-Dichlorobenzene-d4	98		70 - 130

Lab Sample ID: LCSD 680-368254/4

Matrix: Water

Analysis Batch: 368254

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Bromodichloromethane	20.0	21.1		ug/L		106	70 - 130	1	30
Bromoform	20.0	22.0		ug/L		110	70 - 130	7	30
Chloroform	20.0	20.7		ug/L		104	70 - 130	2	30
Dibromochloromethane	20.0	20.7		ug/L		104	70 - 130	2	30
Trihalomethanes, Total	80.0	84.5		ug/L		106	70 - 130	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	99		70 - 130
1,2-Dichlorobenzene-d4	102		70 - 130

TestAmerica Tampa

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus Co LF Leachate Sampling

TestAmerica Job ID: 660-65008-1

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

Lab Sample ID: MB 660-155299/7

Matrix: Water

Analysis Batch: 155299

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			01/31/15 15:50	1
Ethylbenzene	0.44	U	1.0	0.44	ug/L			01/31/15 15:50	1
Toluene	0.51	U	1.0	0.51	ug/L			01/31/15 15:50	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			01/31/15 15:50	1
Xylenes, Total	0.50	U	3.0	0.50	ug/L			01/31/15 15:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		01/31/15 15:50	1
Dibromofluoromethane	109		70 - 130		01/31/15 15:50	1
Toluene-d8 (Surr)	97		70 - 130		01/31/15 15:50	1

Lab Sample ID: LCS 660-155299/5

Matrix: Water

Analysis Batch: 155299

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	11.4		ug/L		114	68 - 134
Ethylbenzene	10.0	9.00		ug/L		90	70 - 130
Toluene	10.0	11.3		ug/L		113	70 - 131
Vinyl chloride	10.0	10.6		ug/L		106	48 - 147
Xylenes, Total	20.0	17.7		ug/L		88	68 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	101		70 - 130
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: 660-65114-D-2 MS

Matrix: Water

Analysis Batch: 155299

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
Benzene	0.50	U	10.0	9.67		ug/L		97	68 - 134
Ethylbenzene	0.44	U	10.0	7.95		ug/L		80	70 - 130
Toluene	0.51	U	10.0	9.94		ug/L		99	70 - 131
Vinyl chloride	0.71	U	10.0	8.97		ug/L		90	48 - 147
Xylenes, Total	0.50	U	20.0	14.8		ug/L		74	68 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	91		70 - 130
Dibromofluoromethane	105		70 - 130
Toluene-d8 (Surr)	103		70 - 130

TestAmerica Tampa

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus Co LF Leachate Sampling

TestAmerica Job ID: 660-65008-1

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

Lab Sample ID: 660-65114-A-1 DU

Matrix: Water

Analysis Batch: 155299

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Benzene	0.50	U	0.50	U	ug/L		NC	30
Ethylbenzene	0.44	U	0.44	U	ug/L		NC	30
Toluene	0.51	U	0.51	U	ug/L		NC	30
Vinyl chloride	2.1		2.15		ug/L		2	30
Xylenes, Total	0.50	U	0.50	U	ug/L		NC	30

Surrogate	%Recovery	DU	DU	Qualifier	Limits
4-Bromofluorobenzene	89				70 - 130
Dibromofluoromethane	111				70 - 130
Toluene-d8 (Surr)	97				70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 680-368346/2

Matrix: Water

Analysis Batch: 368346

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	0.20	U	0.50	0.20	mg/L			01/26/15 10:27	1

Lab Sample ID: LCS 680-368346/3

Matrix: Water

Analysis Batch: 368346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
							Limits
Chloride	10.0	10.5		mg/L		105	90 - 110

Lab Sample ID: LCSD 680-368346/4

Matrix: Water

Analysis Batch: 368346

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	Limit
							Limits		
Chloride	10.0	10.5		mg/L		105	90 - 110	0	30

Lab Sample ID: 640-50266-D-9 MS

Matrix: Water

Analysis Batch: 368346

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier		Result	Qualifier				Limits
Chloride	16		10.0	26.5		mg/L		108	80 - 120

Lab Sample ID: 640-50266-D-9 MSD

Matrix: Water

Analysis Batch: 368346

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Chloride	16		10.0	26.5		mg/L		108	80 - 120	0	30

TestAmerica Tampa

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus Co LF Leachate Sampling

TestAmerica Job ID: 660-65008-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 660-154998/1-A
Matrix: Water
Analysis Batch: 155053

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 154998

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.0	U	10	4.0	ug/L		01/22/15 08:45	01/23/15 16:51	1
Sodium	310	U	500	310	ug/L		01/22/15 08:45	01/23/15 16:51	1

Lab Sample ID: LCS 660-154998/2-A
Matrix: Water
Analysis Batch: 155053

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 154998

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1000	1010		ug/L		101	80 - 120
Sodium	10000	10200		ug/L		102	80 - 120

Lab Sample ID: 640-50250-F-1-B MS
Matrix: Water
Analysis Batch: 155053

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 154998

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.6	I	1000	1050		ug/L		105	80 - 120
Sodium	33000		10000	43600		ug/L		108	80 - 120

Lab Sample ID: 640-50250-F-1-C MSD
Matrix: Water
Analysis Batch: 155053

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 154998

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	5.6	I	1000	1050		ug/L		105	80 - 120	0	20
Sodium	33000		10000	43500		ug/L		107	80 - 120	0	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 680-368444/41
Matrix: Water
Analysis Batch: 368444

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.026	U	0.050	0.026	mg/L			01/26/15 17:31	1

Lab Sample ID: LCS 680-368444/6
Matrix: Water
Analysis Batch: 368444

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	1.00		mg/L		100	90 - 110

Lab Sample ID: 660-65007-B-1 MS
Matrix: Water
Analysis Batch: 368444

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	0.95		1.00	2.00		mg/L		105	90 - 110

TestAmerica Tampa

QC Sample Results

Client: CDM Smith, Inc.
Project/Site: Citrus Co LF Leachate Sampling

TestAmerica Job ID: 660-65008-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 660-65007-B-1 MSD

Matrix: Water

Analysis Batch: 368444

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	0.95		1.00	1.98		mg/L		103	90 - 110	1	30

Lab Sample ID: 660-65007-B-3 DU

Matrix: Water

Analysis Batch: 368444

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia	0.11		0.114		mg/L		2	30

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

Lab Sample ID: MB 660-155085/1

Matrix: Water

Analysis Batch: 155085

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			01/26/15 15:25	1

Lab Sample ID: LCS 660-155085/2

Matrix: Water

Analysis Batch: 155085

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	9930		mg/L		99	80 - 120

Lab Sample ID: 640-50266-B-7 DU

Matrix: Water

Analysis Batch: 155085

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	12		5.0	U	mg/L		NC	20

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: Citrus Co LF Leachate Sampling

TestAmerica Job ID: 660-65008-1

GC/MS VOA

Analysis Batch: 155299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-65008-1	Leachate Effluent	Total/NA	Water	8260B	
660-65008-2	Trip Blank - Leachate	Total/NA	Water	8260B	
660-65114-A-1 DU	Duplicate	Total/NA	Water	8260B	
660-65114-D-2 MS	Matrix Spike	Total/NA	Water	8260B	
LCS 660-155299/5	Lab Control Sample	Total/NA	Water	8260B	
MB 660-155299/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 368254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-65008-1	Leachate Effluent	Total/NA	Water	524.2	
LCS 680-368254/3	Lab Control Sample	Total/NA	Water	524.2	
LCS 680-368254/4	Lab Control Sample Dup	Total/NA	Water	524.2	
MB 680-368254/8	Method Blank	Total/NA	Water	524.2	

HPLC/IC

Analysis Batch: 368346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-50266-D-9 MS	Matrix Spike	Total/NA	Water	300.0	
640-50266-D-9 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
660-65008-1	Leachate Effluent	Total/NA	Water	300.0	
LCS 680-368346/3	Lab Control Sample	Total/NA	Water	300.0	
LCS 680-368346/4	Lab Control Sample Dup	Total/NA	Water	300.0	
MB 680-368346/2	Method Blank	Total/NA	Water	300.0	

Metals

Prep Batch: 154998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-50250-F-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
640-50250-F-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
660-65008-1	Leachate Effluent	Total Recoverable	Water	3005A	
LCS 660-154998/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 660-154998/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 155053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-50250-F-1-B MS	Matrix Spike	Total Recoverable	Water	6010B	154998
640-50250-F-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010B	154998
660-65008-1	Leachate Effluent	Total Recoverable	Water	6010B	154998
LCS 660-154998/2-A	Lab Control Sample	Total Recoverable	Water	6010B	154998
MB 660-154998/1-A	Method Blank	Total Recoverable	Water	6010B	154998

General Chemistry

Analysis Batch: 155085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-50266-B-7 DU	Duplicate	Total/NA	Water	SM 2540C	
660-65008-1	Leachate Effluent	Total/NA	Water	SM 2540C	
LCS 660-155085/2	Lab Control Sample	Total/NA	Water	SM 2540C	

TestAmerica Tampa

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: Citrus Co LF Leachate Sampling

TestAmerica Job ID: 660-65008-1

General Chemistry (Continued)

Analysis Batch: 155085 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 660-155085/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 368444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-65007-B-1 MS	Matrix Spike	Total/NA	Water	350.1	
660-65007-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1	
660-65007-B-3 DU	Duplicate	Total/NA	Water	350.1	
660-65008-1	Leachate Effluent	Total/NA	Water	350.1	
LCS 680-368444/6	Lab Control Sample	Total/NA	Water	350.1	
MB 680-368444/41	Method Blank	Total/NA	Water	350.1	

Field Service / Mobile Lab

Analysis Batch: 155006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-65008-1	Leachate Effluent	Total/NA	Water	Field Sampling	

Lab Chronicle

Client: CDM Smith, Inc.
 Project/Site: Citrus Co LF Leachate Sampling

TestAmerica Job ID: 660-65008-1

Client Sample ID: Leachate Effluent

Lab Sample ID: 660-65008-1

Date Collected: 01/21/15 09:13

Matrix: Water

Date Received: 01/21/15 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	368254	01/25/15 15:04	JD1	TAL SAV
Total/NA	Analysis	8260B		1	155299	01/31/15 20:22	ECC	TAL TAM
Total/NA	Analysis	300.0		20	368346	01/26/15 17:40	AJO	TAL SAV
Total Recoverable	Prep	3005A			154998	01/22/15 08:45	ALQ	TAL TAM
Total Recoverable	Analysis	6010B		1	155053	01/23/15 17:57	GAF	TAL TAM
Total/NA	Analysis	350.1		1	368444	01/26/15 16:30	JME	TAL SAV
Total/NA	Analysis	SM 2540C		1	155085	01/26/15 15:25	TFH	TAL TAM
Total/NA	Analysis	Field Sampling		1	155006	01/21/15 09:13	FS	TAL TAM

Client Sample ID: Trip Blank - Leachate

Lab Sample ID: 660-65008-2

Date Collected: 01/21/15 00:00

Matrix: Water

Date Received: 01/21/15 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	155299	01/31/15 17:50	ECC	TAL TAM

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Method Summary

TestAmerica Job ID: 660-64009-7

1 @el t: 1 Dn MmitShll c,
 . ro@ctjMte: 1 itr/ s 1 o uy ueacSate MamL@ F

Method	Method Description	Protocol	Laboratory
4EWE	TotaCTriSa@metSal e 1 a@/ @tiol	2. A-D5	TAu MAV
9E608	Vo@ti@ BrFal ic 1 omLo/ I Cs @ 1 jn Md	M5 9V6	TAu TAn
(00,0	Al iol shlol 1 SromatoFraLSG	n 1 A5 5	TAu MAV
60708	n eta@ g1 . d	M5 9V6	TAu TAn
(40,7) itroFel hAmmol ia	n 1 A5 5	TAu MAV
Mh E4V01	Mb@CshTota@Disso@GeOgTDMD	Mh	TAu TAn
yie@MamL@ F	yie@MamL@ F	2. A	TAu TAn

Protocol References:

- 2. A N v M2I 3irol mel taC roctectiol AFel cG
- 2. A-D5 N n etSoCs yor TSe Determil atiol BUBrFal ic 1 omLo/ I Cs ll Dril "il F 5 ater=h2. Aj600jW99j0(f hDecember 7f 99 AI OIts M LL@mel ts, n 1 A5 5 N n etSoCs yor 1 SemicaCAI a@Sis BU5 ater AI O5 astes=h2. A-600jWkf -0E0hn arcS 7f 9(AI OM bseq/ el t Re3isiol s, Mh N=Mtal CarOn etSoCs yor TSe 2xamil atiol BU5 ater AI O5 astewater=h M5 9V6 N=Test n etSoCs yor 23a@atil F Mb@O5 asteh. SGica@1 SemicaCh etSoCs=hTSirO2@tiol h) o3ember 7f 96 AI OIts v L@ates,

Laboratory References:

- TAu MAV NTestAmerica Ma3al I aSh470E uaRocSe A3el / ehMa3al I aShp A (7V0VhT2u gf 7Ed 4Wk949
- TAu TAn NTestAmerica TamLah6k7E 8el @amil RoaChM ite 700hTamLahyu ((6(VhT2u @7(@94-kWEk



Certification Summary

Client: CDM Smith, Inc.
Project/Site: Citrus Co LF Leachate Sampling

TestAmerica Job ID: 660-65008-1

Laboratory: TestAmerica Tampa

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Florida	NELAP	4	E84282	06-30-15

Laboratory: TestAmerica Savannah

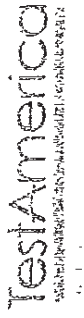
The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Florida	NELAP	4	E87052	06-30-15

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TestAmerica Orlando
 8010 Support Drive Suite 116
 Orlando, FL 32809
 Phone (800) 851-2560 Fax (407) 856-0886

Chain of Custody Record



Client Information Client Contact: Mr. Nathan Schmaus Company: CDM Smith, Inc. Address: 1715 North Westshore Blvd. Suite 875 City: Tampa State, Zip: FL, 33607 Phone: [blank] Email: SchmausND@cdmsmith.com Project Name: Citrus County LF Semi-Annual Site: Florida		Lab PM: Hornsby, Jess E-Mail: jess.hornsby@testamericainc.com Phone: 407-399-3340 Carrier (Tracking No.): [blank]	
Due Date Requested: [blank] TAT Requested (days): [blank]		Analysis Requested 353.2 - Nitrate: Y N N D N N N N N 2540C - Total Dissolved Solids: X X X X X X X X X 6020, 7470A: X X X X X X X X X Field Sampling - Field Parameters: N N N N N N N N N 350.1 - Ammonia: X X X X X X X X X 8011 - Appendix 1: X X X X X X X X X 300 - ORGFM_28D - Chloride: X X X X X X X X X	
Purchase Order Requested: [blank]		Total Number of Containers: [blank]	
Sample Identification: MW-80, MW-7, MW-3, Trip Blank		Preservation Codes: A - HCL, B - NaOH, C - AsNaO2, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2CO4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecylhydroato, U - Acetone, V - MCAA, W - pH 4-5, X - other (specify)	
Sample Date: 1-21-15, 1-21-15, 1-21-15, 1-21-15		Special Instructions/Note: [blank]	
Sample Time: 852, 1101, 1210		LCC: 660 65007 660-65007 Chain of Custody	
Sample Matrix: Water, Water, Water, Water, Water, Water, Water, Water, Water, Water		Field Filtered Sample (Yes or No): [blank]	
Sample Type: G, G, G		Form MSMSD (Yes or No): [blank]	
Possible Hazard Identification: Non-Hazard, Flammable, Skin Irritant, Unknown, Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): Return To Client, Disposal By Lab, Archive For [blank] Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements: [blank]	
Empty Kit Relinquished by: [Signature]		Method of Shipment: [blank]	
Relinquished by: [Signature] Date/Time: 1-21-15 1550		Received by: [Signature] Date/Time: 1-21-15 1550	
Relinquished by: [Signature] Date/Time: [blank]		Received by: [Signature] Date/Time: [blank]	
Relinquished by: [Signature] Date/Time: [blank]		Received by: [Signature] Date/Time: [blank]	
Custody Seals Intact: Yes [blank] No [blank]		Cooler Temperature(s): 32.3.1 C-0.09	

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-65008-1

Login Number: 65008

List Source: TestAmerica Tampa

List Number: 1

Creator: Southers, Kristin B

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-65008-1

Login Number: 65008

List Number: 2

Creator: White, Menica R

List Source: TestAmerica Savannah

List Creation: 01/22/15 03:28 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

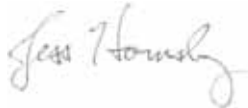
TestAmerica Job ID: 660-65484-1

Client Project/Site: Citrus County LF - MW-19 Re-sample

For:

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

Attn: Mr. Nathan Schmaus



Authorized for release by:
2/24/2015 12:39:49 PM

Jess Hornsby, Project Manager I
(813)885-7427

jess.hornsby@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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Sample Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - MW-19 Re-sample

TestAmerica Job ID: 660-65484-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-65484-1	MW-19	Ground Water	02/17/15 11:49	02/18/15 10:40
660-65484-2	Trip Blank	Water	02/17/15 00:00	02/18/15 10:40

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Definitions/Glossary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - MW-19 Re-sample

TestAmerica Job ID: 660-65484-1

Qualifiers

GC/MS VOA

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
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - MW-19 Re-sample

TestAmerica Job ID: 660-65484-1

Job ID: 660-65484-1

Laboratory: TestAmerica Tampa

Narrative

Receipt

The samples were received on 2/18/2015 10:40 AM; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 1.3°C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Field Service / Mobile Lab

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - MW-19 Re-sample

TestAmerica Job ID: 660-65484-1

Client Sample ID: MW-19

Lab Sample ID: 660-65484-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	8.7		5.0	4.0	ug/L	1		8260B	Total/NA
Color	Clear				Color Units	1		Field Sampling	Total/NA
Field pH	5.42				SU	1		Field Sampling	Total/NA
Field Temperature	22.9				Degrees C	1		Field Sampling	Total/NA
Oxygen, Dissolved	0.60				mg/L	1		Field Sampling	Total/NA
Sheen	No				SU	1		Field Sampling	Total/NA
Specific Conductance	73				umhos/cm	1		Field Sampling	Total/NA
Turbidity	0.78				NTU	1		Field Sampling	Total/NA
Water Level	106.13				ft	1		Field Sampling	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 660-65484-2

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Tampa

Client Sample Results

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - MW-19 Re-sample

TestAmerica Job ID: 660-65484-1

Client Sample ID: MW-19

Lab Sample ID: 660-65484-1

Date Collected: 02/17/15 11:49

Matrix: Ground Water

Date Received: 02/18/15 10:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	8.7		5.0	4.0	ug/L			02/20/15 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		70 - 130					02/20/15 16:29	1
Dibromofluoromethane	113		70 - 130					02/20/15 16:29	1
Toluene-d8 (Surr)	101		70 - 130					02/20/15 16:29	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	Clear				Color Units			02/17/15 11:49	1
Field pH	5.42				SU			02/17/15 11:49	1
Field Temperature	22.9				Degrees C			02/17/15 11:49	1
Oxygen, Dissolved	0.60				mg/L			02/17/15 11:49	1
Sheen	No				SU			02/17/15 11:49	1
Specific Conductance	73				umhos/cm			02/17/15 11:49	1
Turbidity	0.78				NTU			02/17/15 11:49	1
Water Level	106.13				ft			02/17/15 11:49	1



Client Sample Results

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - MW-19 Re-sample

TestAmerica Job ID: 660-65484-1

Client Sample ID: Trip Blank

Lab Sample ID: 660-65484-2

Date Collected: 02/17/15 00:00

Matrix: Water

Date Received: 02/18/15 10:40

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/20/15 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		70 - 130					02/20/15 14:58	1
Dibromofluoromethane	108		70 - 130					02/20/15 14:58	1
Toluene-d8 (Surr)	100		70 - 130					02/20/15 14:58	1

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Surrogate Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - MW-19 Re-sample

TestAmerica Job ID: 660-65484-1

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)
660-65484-1	MW-19	97	113	101

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)
660-65484-2	Trip Blank	100	108	100
LCS 660-155787/6	Lab Control Sample	97	98	102
MB 660-155787/8	Method Blank	99	107	104

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: SPLP

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)	DBFM (70-130)	TOL (70-130)
640-50357-G-2 MS	Matrix Spike	97	96	99
640-50357-G-3 DU	Duplicate	94	110	104

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - MW-19 Re-sample

TestAmerica Job ID: 660-65484-1

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

Lab Sample ID: MB 660-155787/8

Matrix: Water

Analysis Batch: 155787

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	4.0	U	5.0	4.0	ug/L			02/20/15 10:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		70 - 130		02/20/15 10:52	1
: Bromofluoromeit hne	107		70 - 130		02/20/15 10:52	1
aoluene-Td & urrS	104		70 - 130		02/20/15 10:52	1

Lab Sample ID: LCS 660-155787/6

Matrix: Water

Analysis Batch: 155787

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	10.0	11.3		ug/L		113	57 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	97		70 - 130
: Bromofluoromeit hne	9d		70 - 130
aoluene-Td & urrS	102		70 - 130

Lab Sample ID: 640-50357-G-2 MS

Matrix: Water

Analysis Batch: 155787

Client Sample ID: Matrix Spike

Prep Type: SPLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	16	U	40.0	44.0		ug/L		110	57 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	97		70 - 130
: Bromofluoromeit hne	9)		70 - 130
aoluene-Td & urrS	99		70 - 130

Lab Sample ID: 640-50357-G-3 DU

Matrix: Water

Analysis Batch: 155787

Client Sample ID: Duplicate

Prep Type: SPLP

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

Surrogate	DU %Recovery	DU Qualifier	Limits
4-Bromofluorobenzene	94		70 - 130
: Bromofluoromeit hne	110		70 - 130
aoluene-Td & urrS	104		70 - 130

TestAmerica Tampa

QC Association Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - MW-19 Re-sample

TestAmerica Job ID: 660-65484-1

GC/MS VOA

Analysis Batch: 155787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
640-50357-G-2 MS	Matrix Spike	SPLP	Water	8260B	
640-50357-G-3 DU	Duplicate	SPLP	Water	8260B	
660-65484-1	MW-19	Total/NA	Ground Water	8260B	
660-65484-2	Trip Blank	Total/NA	Water	8260B	
LCS 660-155787/6	Lab Control Sample	Total/NA	Water	8260B	
MB 660-155787/8	Method Blank	Total/NA	Water	8260B	

Field Service / Mobile Lab

Analysis Batch: 155769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-65484-1	MW-19	Total/NA	Ground Water	Field Sampling	

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Lab Chronicle

Client: CDM Smith, Inc.
 Project/Site: Citrus County LF - MW-19 Re-sample

TestAmerica Job ID: 660-65484-1

Client Sample ID: MW-19
Date Collected: 02/17/15 11:49
Date Received: 02/18/15 10:40

Lab Sample ID: 660-65484-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155787	02/20/15 16:29	ECC	TAL TAM
Total/NA	Analysis	Field Sampling		1			155769	02/17/15 11:49	FS	TAL TAM

Client Sample ID: Trip Blank
Date Collected: 02/17/15 00:00
Date Received: 02/18/15 10:40

Lab Sample ID: 660-65484-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	155787	02/20/15 14:58	ECC	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

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Method Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - MW-19 Re-sample

TestAmerica Job ID: 660-65484-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
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 TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427



Certification Summary

Client: CDM Smith, Inc.
Project/Site: Citrus County LF - MW-19 Re-sample

TestAmerica Job ID: 660-65484-1

Laboratory: TestAmerica Tampa

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Florida	NELAP	4	E84282	06-30-15

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Chain of Custody Record

Client Information Client Contact: Mr. Nathan Schmaus Company: CDM Smith, Inc. Address: 1715 North Westshore Blvd. Suite 875 City: Tampa State, Zip: FL, 33607 Phone: Email: SchmausND@cdmsmith.com Project Name: Citrus County Landfill resample Site: Florida		Lab P/N: Hornsby, Jess E-Mail: jess.hornsby@testamerica.com Carbur Tracking No(s): COC No: 860-61200-19621.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: Purchase Order Requested WO #: 71138-94426-GROUNDWATER Project #: 66003335 SSOW#:		Analysis Requested Total Number of Containers: <input checked="" type="checkbox"/>	
Sample Identification MW-19 Sample Date: 2-17-15 Sample Time: 11:49 Sample Type (C=Comp, G=grab): G Preservation Code: G Matrix (W=water, S=solid, O=soil, G=grab, ST=STAIN, A=air): Water Water Water		Field Sampling - Field Parameters: <input checked="" type="checkbox"/> 6260B - Benzene, Meq, Vinyl Chloride Field Filtered Sample (Yes or No): <input checked="" type="checkbox"/> Perform MSWMS (Yes or No): <input checked="" type="checkbox"/> Loc: 660 660-65484 Chain of Custody	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify):		Special Instructions/Note: Call customer prior to generating report Please only analyze sample for methylene chloride. Com Smith - David Rigdon	
Empty Kit Relinquished by: Relinquished by: [Signature] Relinquished by: [Signature] Relinquished by: [Signature]		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements:	
Relinquished by: Date/Time: 2-17-15 1430 Company: TA-ORL Date/Time: 2-18-15 1040 Company: TA TPA Date/Time:		Received by: Date/Time: 2/18/15 1040 Company: TA TPA Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.: 1.811.3 CU-09		Cooler Temperature(s) °C and Other Remarks:	



Field Calibration Logbook

Name: Citrus County Date: 2-17-15 Instrument #: M2/T-3 Make/Model: NIST 556 Hech-2100

pH:

	pH Buffer	Lot #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)	Temp. (°C)
Initial	7.00	135752	9/2015	9:38	6.95	NO	CCV	23.1
	4.00	134637	7/2015	9:36	4.02	NO	CCV	23.1
	10.00							
Post	7.00	135752	9/2015	14:10	6.95	NO	CCV	22.3
	4.00	134637	7/2015	14:12	4.03	NO	CCV	22.3
	10.00							

CONDUCTIVITY STANDARD:

	Conductivity (uS/cm)	Lot #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	100						
	1000	240359	2-2016	9:49	1003	NO	CCV
	10000						
Post	100						
	1000	240359	2-2016	14:14	1005	NO	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	19.1	9.25	9:58	19.1/9.24	YES	CCV
Post	20.1	9.07	14:16	20.1/9.30	NO	CCV

ORP: (Reference Table 6.2 Zobell Solution Values)*

	ORP (milliVolts)*	Lot #	Exp. Date	Time	Temp. (°C)	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	255	2408839	5/2015	9:59	7.0	252.2	NO	CCV
Post	255	2408839	5/2015	14:20	6.5	252.4	NO	CCV

TURBIDITY:

	Turbidity (NTU)	Lot #	Exp. Date	Time	Inst. Response	Calibrated (Y/N)	Type (ICV, CCV)
Initial	6.41	A2311	2/2016	9:56	6.80	NO	CCV
	49.9	↓	↓	↓	50.1	↓	↓
	57.9	↓	↓	↓	52.3	↓	↓
Post	6.41	A2311	2/2016	14:18	6.77	NO	CCV
	49.9	↓	↓	↓	50.3	↓	↓
	57.9	↓	↓	↓	52.4	↓	↓

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]
Signature: _____

Date: 2-17-15
Date: _____

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

Meter #'s: M-1 / T-3

PAGE: 1 of 1

SITE NAME: Citrus County Landfill SITE LOCATION: Leeland, FL
 WELL NO: MW-19 SAMPLE ID: _____ DATE: 2-17-15

PURGING DATA

WELL DIAMETER (inches): 2 TUBING DIAMETER (inches): 1/4 WELL SCREEN INTERVAL DEPTH: 10 feet to 190 feet STATIC DEPTH TO WATER (feet): 106.13 PURGE PUMP TYPE OR BAILER: BP
 WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 (only fill out if applicable) 33.87 = (190.0 feet - 106.13 feet) X .16 gallons/foot = 5.42 gallons
 EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable) _____ = _____ gallons + (_____ gallons/foot X _____ feet) + _____ gallons = _____ gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 117 FINAL PUMP OR TUBING DEPTH IN WELL (feet): 117 PURGING INITIATED AT: 941 PURGING ENDED AT: 1147 TOTAL VOLUME PURGED (gallons): 21.0

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</u>	DISSOLVED OXYGEN (circle units) <u>mg/L or % saturation</u>	TURBIDITY (NTUs)	COLOR describe	ODOR	ORP
1020	5.42	5.42	.14	107.13	5.20	23.0	67	.98	2.99	Clear	ND	66.6
1052	5.42	10.84	.17	107.40	5.51	23.0	76	.70	2.73			66.1
1119	5.42	16.26	.20	108.02	5.46	23.0	75	.61	1.12			59.7
1126	1.40	16.66	.20	108.02	5.44	22.9	75	.61	1.08			59.0
1133	1.40	18.06	.20	108.02	5.45	22.8	74	.58	.88			59.4
1140	1.40	19.46	.20	108.02	5.44	22.9	72	.60	.96			58.7
1147	1.40	20.86	.20	108.02	5.42	22.9	73	.60	.78			60.5

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Shawn Victory Test America SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 1147 SAMPLING ENDED AT: 1149
 PUMP OR TUBING DEPTH IN WELL (feet): 117 TUBING MATERIAL CODE: PE FIELD-FILTERED: Y N FILTER SIZE: _____ µm
 Filtration Equipment Type: _____
 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	# CONTAIN ERS	MATERI AL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
<u>MW-19</u>	<u>3</u>	<u>CG</u>	<u>40</u>	<u>HCl</u>	<u>Ø</u>	<u>-</u>	<u>82603</u>	<u>BP</u>	<u>125</u>

REMARKS: 1st well volume purged @ 70 psi 20/135 2nd well volume purged @ 70 psi 20/140
3rd well volume purged @ 75 psi 20/135
 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

1.35

Login Sample Receipt Checklist

Client: CDM Smith, Inc.

Job Number: 660-65484-1

Login Number: 65484

List Source: TestAmerica Tampa

List Number: 1

Creator: Southers, Kristin B

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received and the COC.	False	Received Trip Blank not listed on COC.
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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

