

ANALYTICAL REPORT

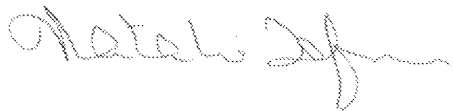
Job Number: 660-30730-1

Job Description: Citrus County Landfill

For:

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

Attention: Mr. Aamod Sonawane



Approved for release.
Natalie Tafuni
Project Manager I
8/13/2009 11:44 AM

Designee for
Hansan Mouslle
Project Manager I
hansan.mouslle@testamericainc.com
08/13/2009
Revision: 1

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

TestAmerica Laboratories, Inc.

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

Tel (813) 885-7427 Fax (813) 885-7049 www.testamericainc.com



**Job Narrative
660-J30730-1**

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

This report was revised on 8-13-09: The field data was entered incorrectly for sample 660-30730-1(MW-18). It has been corrected.

EXECUTIVE SUMMARY - Detections

Client: Camp Dresser & McKee Inc

Job Number: 660-30730-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-30730-1	MW-18				
Vinyl chloride		0.91 I	1.0	ug/L	8260B
Color		cloudy		Color Units	Field Sampling
Field pH		5.74		SU	Field Sampling
Field Temperature		28.0		Degrees C	Field Sampling
Oxygen, Dissolved		2.05		mg/L	Field Sampling
Specific Conductance		168		umhos/cm	Field Sampling
Turbidity		31.6		NTU	Field Sampling
Water Level		110.10		ft	Field Sampling
660-30730-2	MW-19				
Color		Clear		Color Units	Field Sampling
Field pH		6.01		SU	Field Sampling
Field Temperature		23.4		Degrees C	Field Sampling
Oxygen, Dissolved		5.23		mg/L	Field Sampling
Specific Conductance		68		umhos/cm	Field Sampling
Turbidity		4.87		NTU	Field Sampling
Water Level		107.2		ft	Field Sampling

METHOD SUMMARY

Client: Camp Dresser & McKee Inc

Job Number: 660-30730-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL TAM	SW846 8260B	
Purge and Trap	TAL TAM		SW846 5030B
Field Sampling	TAL TAM	EPA Field Sampling	

Lab References:

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Camp Dresser & McKee Inc

Job Number: 660-30730-1

Method	Analyst	Analyst ID
SW846 8260B	Carlson, Robyn	RC
EPA Field Sampling	Atkins, Amy	AA

SAMPLE SUMMARY

Client: Camp Dresser & McKee Inc

Job Number: 660-30730-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-30730-1	MW-18	Water	07/20/2009 1538	07/20/2009 1730
660-30730-2	MW-19	Water	07/20/2009 1551	07/20/2009 1730
660-30730-3	Trip Blank	Water	07/20/2009 0000	07/20/2009 1730

SAMPLE RESULTS

Analytical Data

Client: Camp Dresser & McKee Inc

Job Number: 660-30730-1

Client Sample ID: MW-18

Lab Sample ID: 660-30730-1

Date Sampled: 07/20/2009 1538

Client Matrix: Water

Date Received: 07/20/2009 1730

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-82165	Instrument ID:	BVMG5973
Preparation:	5030B		Lab File ID:	1GG2216.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/22/2009 1351		Final Weight/Volume:	5 mL
Date Prepared:	07/22/2009 1351			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Methylene Chloride	4.0	U	4.0	5.0
Benzene	0.50	U	0.50	1.0
Vinyl chloride	0.91	I	0.50	1.0

Analytical Data

Client: Camp Dresser & McKee Inc

Job Number: 660-30730-1

Client Sample ID: MW-19

Lab Sample ID: 660-30730-2

Date Sampled: 07/20/2009 1551

Client Matrix: Water

Date Received: 07/20/2009 1730

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-82165	Instrument ID:	BVMG5973
Preparation:	5030B		Lab File ID:	1GG2217.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/22/2009 1413		Final Weight/Volume:	5 mL
Date Prepared:	07/22/2009 1413			

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

Analytical Data

Client: Camp Dresser & McKee Inc

Job Number: 660-30730-1

Client Sample ID: Trip Blank

Lab Sample ID: 660-30730-3

Client Matrix: Water

Date Sampled: 07/20/2009 0000

Date Received: 07/20/2009 1730

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 660-82165	Instrument ID:	BVMG5973
Preparation:	5030B		Lab File ID:	1GG2219.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	07/22/2009 1458		Final Weight/Volume:	5 mL
Date Prepared:	07/22/2009 1458			

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

Client: Camp Dresser & McKee Inc

Job Number: 660-30730-1

Field Service / Mobile Lab

Client Sample ID: MW-18

Lab Sample ID: 660-30730-1

Date Sampled: 07/20/2009 1538

Client Matrix: Water

Date Received: 07/20/2009 1730

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed	Date Prepared
Color	cloudy		Color Units	1.0	Field Sampling	660-82413	07/20/2009	1538
Field pH	5.74		SU	1.0	Field Sampling	660-82413	07/20/2009	1538
Field Temperature	28.0		Degrees C	1.0	Field Sampling	660-82413	07/20/2009	1538
Oxygen, Dissolved	2.05		mg/L	1.0	Field Sampling	660-82413	07/20/2009	1538
Specific Conductance	168		umhos/cm	1.0	Field Sampling	660-82413	07/20/2009	1538
Turbidity	31.6		NTU	1.0	Field Sampling	660-82413	07/20/2009	1538
Water Level	110.10		ft	1.0	Field Sampling	660-82413	07/20/2009	1538

Client: Camp Dresser & McKee Inc

Job Number: 660-30730-1

Field Service / Mobile Lab

Client Sample ID: MW-19

Lab Sample ID: 660-30730-2

Date Sampled: 07/20/2009 1551

Client Matrix: Water

Date Received: 07/20/2009 1730

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed	Date Prepared
Color	Clear		Color Units	1.0	Field Sampling	660-82413	07/20/2009	1551
Field pH	6.01		SU	1.0	Field Sampling	660-82413	07/20/2009	1551
Field Temperature	23.4		Degrees C	1.0	Field Sampling	660-82413	07/20/2009	1551
Oxygen, Dissolved	5.23		mg/L	1.0	Field Sampling	660-82413	07/20/2009	1551
Specific Conductance	68		umhos/cm	1.0	Field Sampling	660-82413	07/20/2009	1551
Turbidity	4.87		NTU	1.0	Field Sampling	660-82413	07/20/2009	1551
Water Level	107.2		ft	1.0	Field Sampling	660-82413	07/20/2009	1551

DATA REPORTING QUALIFIERS

Client: Camp Dresser & McKee Inc

Job Number: 660-30730-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

QUALITY CONTROL RESULTS

Quality Control Results

Client: Camp Dresser & McKee Inc

Job Number: 660-30730-1

Method Blank - Batch: 660-82165

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 660-82165/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2009 1114
Date Prepared: 07/22/2009 1114

Analysis Batch: 660-82165
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMG GC/MS
Lab File ID: 1GG2209.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Methylene Chloride	4.0	U	4.0	5.0
Benzene	0.50	U	0.50	1.0
Vinyl chloride	0.50	U	0.50	1.0

Lab Control Sample - Batch: 660-82165

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 660-82165/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2009 0944
Date Prepared: 07/22/2009 0944

Analysis Batch: 660-82165
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMG GC/MS
Lab File ID: 1GG2205.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Methylene Chloride	20.0	22.6	113	57 - 130	
Benzene	20.0	24.3	122	64 - 140	
Vinyl chloride	20.0	23.5	117	48 - 147	

Matrix Spike - Batch: 660-82165

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-30730-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2009 1650
Date Prepared: 07/22/2009 1650

Analysis Batch: 660-82165
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMG GC/MS
Lab File ID: 1GG2224.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Methylene Chloride	4.0 U	20.0	20.1	101	57 - 130	
Benzene	0.50 U	20.0	22.0	110	64 - 140	
Vinyl chloride	0.91 I	20.0	24.3	117	48 - 147	

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

Quality Control Results

Client: Camp Dresser & McKee Inc

Job Number: 660-30730-1

Duplicate - Batch: 660-82165

Method: 8260B
Preparation: 5030B

Lab Sample ID: 660-30730-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/22/2009 1436
Date Prepared: 07/22/2009 1436

Analysis Batch: 660-82165
Prep Batch: N/A
Units: ug/L

Instrument ID: BVMG GC/MS
Lab File ID: 1GG2218.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Methylene Chloride	4.0 U	4.0	NC	30	U
Benzene	0.50 U	0.50	NC	30	U
Vinyl chloride	0.50 U	0.50	NC	30	U

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

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

660-30730

Chain of Custody Record



Client Information
 Client Contact: Mr. Ahmad Sonawane
 Company: Camp Dresser & McKee Inc
 Address: 1715 North Westshore Blvd. Suite 875
 City: Tampa
 State, Zip: FL, 33607
 Phone: [blank]
 Email: SonawaneAS@cdm.com
 Project Name: Assessment Wells
 Site: [blank]

Sample: *Skun Vitor*
 Lab P/N: Tatum, Natalie
 E-Mail: natalie.tatum@testamericainc.com
 Carrier Tracking No(s): [blank]

Phone: *407-391-3344*
 Due Date Requested: [blank]
 TAT Requested (days): [blank]
 Purchase Order Requested: [blank]
 Project #: 66002518
 SSO#/#: [blank]

COG No: 690-24182.1
 Page: Page 1 of 1
 Job #:

Analysis Requested

Field Filtered Sample (Yes or No) No
 Perform MS/MSD (Yes or No) No
 8260B - Volatile Organic Compounds

Preservation Codes:
 A - HCL M - Hexane
 B - NaOH N - None
 C - Zn Acetate O - AsNaO2
 D - Nitric Acid P - Na2OAS
 E - NaHSO4 Q - Na2SO3
 F - MeOH R - Na2S2O3
 G - Amchlor S - H2SO4
 H - Ascorbic Acid T - TSP Dodecylhydrate
 I - Ice U - Acetone
 J - DI Water V - MOAA
 K - EDTA W - pH 4.5
 L - EDTA Z - other (specify)
 Other: [blank]

Sample Identification	Sample Date	Sample Time	Sample Type (C-comp, G-Grab)	Matrix (Water, Sealed, Overstabil)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of Containers	Special Instructions/Note
<i>MW-18</i>	<i>7-20-09</i>	<i>1535</i>	<i>G</i>	<i>Water</i>		<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> No		
<i>MW-19</i>	<i>7-20-09</i>	<i>1551</i>	<i>G</i>	<i>Water</i>		<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> No		
				<i>Water</i>					
				<i>Water</i>					
				<i>Water</i>					

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

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

Special Instructions/OC 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 _____ Months

Empty Kit Relinquished by: *Spencer Bates* Date: *7-17-09* Time: *8:05* Method of Shipment: *Courier/TA Sampler*

Relinquished by: *[Signature]* Date/Time: *7-20-09 1730* Company: [blank] Received by: *Carol McWalter* Date/Time: *7/20/09 1730* Company: [blank]

Relinquished by: *[Signature]* Date/Time: [blank] Company: [blank] Received by: [blank] Date/Time: [blank] Company: [blank]

Custody Seals Intact: Yes No Custody Seal No.: [blank] Cooler Temperature(s) and Other Remarks: *9.1°C cuo7*

DEP-SOP-001/01
TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: _____

PAGE: _____ of _____

FS 2200 Groundwater Sampling

SITE NAME: <i>CDm</i>	SITE LOCATION: <i>La Conto</i>
WELL NO: <i>mw-19</i>	SAMPLE ID: _____
DATE: <i>7-20-09</i>	

PURGING DATA

WELL DIAMETER (inches): <i>2</i>	TUBING DIAMETER (inches): <i>3/8</i>	WELL SCREEN INTERVAL DEPTH: <i>130</i> feet to <i>140</i> feet	STATIC DEPTH TO WATER (feet): <i>107.2</i>
Measuring Point Elevation (ft/msl) MP Elevation = _____		- Water Level = Water Level Elevation	

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

= $(140.00 \text{ feet} - 107.2 \text{ (feet)}) \times 16 \text{ gallons/foot} = 525 \text{ gallons}$

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): <i>117</i>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <i>117</i>	PURGING INITIATED AT: <i>1450</i>	PURGING ENDED AT: <i>1548</i>	TOTAL VOLUME PURGED (gallons): <i>8.12</i>
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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. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
<i>1528</i>	<i>5.32</i>	<i>5.32</i>	<i>.14</i>	<i>109.75</i>	<i>5.94</i>	<i>23.4</i>	<i>71</i>	<i>5.38</i>	<i>9.25</i>	<i>clear</i>	<i>no</i>	
<i>1538</i>	<i>1.4</i>	<i>6.72</i>	<i>.14</i>	<i>109.75</i>	<i>5.96</i>	<i>23.3</i>	<i>70</i>	<i>5.17</i>	<i>5.88</i>	<i>11</i>	<i>11</i>	
<i>1548</i>	<i>1.4</i>	<i>8.12</i>	<i>.14</i>	<i>109.75</i>	<i>6.01</i>	<i>23.4</i>	<i>68</i>	<i>5.23</i>	<i>4.87</i>	<i>11</i>	<i>11</i>	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 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: <i>Ryan Reich</i>	SAMPLER(S) SIGNATURES: 	SAMPLING INITIATED AT: <i>1548</i>	SAMPLING ENDED AT: <i>1551</i>					
PUMP OR TUBING DEPTH IN WELL (feet): <i>117</i>	SAMPLE PUMP FLOW RATE (mL per minute): _____	TUBING MATERIAL CODE: <i>PE</i>						
FIELD DECONTAMINATION: <input checked="" type="radio"/> Y <input type="radio"/> N	FIELD-FILTERED: <input type="radio"/> Y <input type="radio"/> N FILTER SIZE: _____ µm	DUPLICATE: <input type="radio"/> Y <input checked="" type="radio"/> N						
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION						
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
<i>MW-19</i>	<i>3</i>	<i>CG</i>	<i>40</i>	<i>4WP</i>	<i>-</i>	<i>6</i>	<i>VOC</i>	<i>DBP</i>
<i>MW-19</i>	<i>3</i>	<i>CG</i>	<i>40</i>	<i>4WP</i>	<i>-</i>	<i>6</i>	<i>VOC</i>	<i>DBP</i>

REMARKS: _____

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
 EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

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

DEP-SOP-001/01
TESTAMERICA ORLANDO FIELD SAMPLING LOG

Meter #'s: M-1

PAGE: 1 of 1

FS 2200 Groundwater Sampling

SITE NAME: <u>Citrus County Landfill</u>	SITE LOCATION: <u>Lacanto</u>
WELL NO: <u>MW-18</u>	DATE: <u>7-20-09</u>

PURGING DATA

WELL DIAMETER (inches): <u>2</u>	TUBING DIAMETER (inches): <u>3/8</u>	WELL SCREEN INTERVAL DEPTH: <u>100</u> feet to <u>120</u> feet	STATIC DEPTH TO WATER (feet): <u>110.10</u>	PURGE PUMP TYPE OR BAILER: <u>BP</u>
Measuring Point Elevation (ft/msl) - Water Level = Water Level Elevation MP Elevation =				

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 only fill out if applicable) 9.60 = (119.7 feet - 110.10 feet) X .16 gallons/foot = 1.53 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>115</u>	PURGING ENDED AT: <u>1200</u>	TOTAL VOLUME PURGED (gallons): <u>3</u>								
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or us/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR	H2O Level
<u>1140</u>	<u>1.53</u>	<u>1.53</u>	<u>.04</u>	<u>below</u>	<u>5.15</u>	<u>24.6</u>	<u>106</u>	<u>1.30</u>	<u>22.3</u>	<u>clear</u>	<u>no</u>	
<u>1151</u>	<u>.38</u>	<u>1.91</u>	<u>.04</u>	<u>pump</u>	<u>5.15</u>	<u>24.8</u>	<u>106</u>	<u>1.25</u>	<u>694</u>	<u>↓</u>	<u>↓</u>	
<u>1200</u>	<u>.38</u>	<u>2.29</u>	<u>.04</u>	<u>√</u>	<u>5.14</u>	<u>24.9</u>	<u>107</u>	<u>1.25</u>	<u>78.3</u>	<u>↓</u>	<u>↓</u>	
<u>1535</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>5.74</u>	<u>28.0</u>	<u>168</u>	<u>2.05</u>	<u>31.6</u>	<u>cloudy</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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Shawn Victory</u>	SAMPLER(S) SIGNATURES: <u>[Signature]</u>	SAMPLING INITIATED AT: <u>1535</u>	SAMPLING ENDED AT: <u>1538</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>115</u>	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: <u>PE</u>	
FIELD DECONTAMINATION: <u>0</u> N	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	FILTER SIZE: _____ µm	DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
<u>MW-18</u>	<u>6</u>	<u>CG</u>	<u>40</u>	<u>UNP</u>	<u>40</u>	<u>5.74</u>	<u>8200 B</u>	<u>BP</u>

REMARKS: Well went dry after 3 reads - turbidity high - waited for recharge and sampled

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
 SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

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

Login Sample Receipt Check List

Client: Camp Dresser & McKee Inc

Job Number: 660-30730-1

Login Number: 30730

List Source: TestAmerica Tampa

Creator: McNulty, Carol

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.1 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	