

R E P O R T

CAMP V LANDFILL SEMI-ANNUAL REPORT SPRING 2011

Prepared for

Escambia County Department of Solid Waste Management
13009 Beulah Road
Cantonment, Florida 32533

March 30, 2011

URS

URS Corporation
1625 Summit Lake Drive
Tallahassee, Florida 32317
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RECEIVED

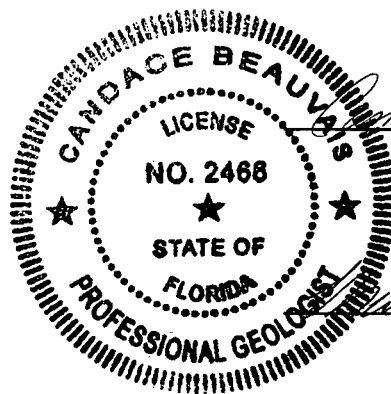
MAY 26 2011

**NORTHWEST FLORIDA
DEP**

Certification By
Florida Registered Professional Geologist

In accordance with Chapter 492, Florida Statutes, the geologic aspects of this *Spring 2011 Semi-Annual Report for Camp V Landfill* located in Escambia County, Florida has been prepared by or supervised by the undersigned registered Florida Professional Geologist. URS Corporation (URS) has prepared the geologic information presented in this Report in a manner consistent with sound geologic practices and the customary level of care and skill exercised by members of the profession currently practicing in the same locality under similar circumstances.

Information developed and presented by others was used by URS in good faith as representative of the site conditions. The work performed by URS is in conformance with the current standards of practice as performed by similar firms under similar project conditions.



Candace Beauvais
Candace Beauvais, P.G.
Registered Professional Geologist
Florida License No. 2466

March 29 2011
(Date)

TABLE 1

**Monitoring Well Construction Details
Spring 2011 Semi-Annual Report**

**Camp V Landfill
Escambia County, Florida**

Well ID	Well Diameter (inches)	Total Depth (ft btoc)	TOC Elevation (ft NGVD)	Screen Interval		Screen Interval	
				from (ft bls)	to (ft bls)	from (ft NGVD)	to (ft NGVD)
MW-1	4.0	25.0	234.79	20.0	25.0	214.79	209.79
MW-2	4.0	37.0	239.35	27.0	37.0	212.35	202.35
MW-3	4.0	50.0	269.13	40.0	50.0	229.13	219.13
MW-5	2.0	68.7	269.00	58.7	68.7	210.30	200.30
MW-6	2.0	59.10	267.80	49.10	59.10	218.70	208.70
MW-8	4.0	63.64	247.38	47.20	62.20	198.74	183.74
MW-9	4.0	59.02	255.81	43.00	58.00	211.79	196.79
MW-10	4.0	52.83	255.10	37.50	52.50	217.27	202.27
MW-11	4.0	31.24	229.14	16.00	31.00	212.90	197.90

Notes:

ft btoc = feet below top of casing

ft NGVD = feet National Geodetic Vertical Datum of 1929

ft bls = feet below land surface

TABLE 2

**Groundwater Level Elevations
Spring 2011 Semi-Annual Report**

**Camp V Landfill
Escambia County, Florida**

Well ID	Date	TOC Elevation (ft NGVD)	Depth to Water (ft btoc)	Groundwater Elevation (ft NGVD)
MW-1	2/9/2011	234.79	19.29	215.50
MW-2	2/9/2011	239.35	23.82	215.53
MW-3	2/9/2011	269.13	59.16	209.97
MW-5	2/9/2011	269.00	60.88	208.12
MW-6	2/9/2011	267.80	53.91	213.89
MW-8	2/9/2011	247.38	31.31	216.07
MW-9	2/9/2011	255.81	42.68	213.13
MW-10	2/9/2011	255.10	42.08	213.02
MW-11	2/9/2011	229.14	15.49	213.65

Notes:

ft NGVD = feet National Geodetic Vertical Datum of 1929

ft btoc = feet below top of casing

TABLE 3

**Summary of Groundwater Field Parameters
Spring 2010 Semi-Annual Report**

**Camp V Landfill
Pensacola, Florida**

Well ID	Date	pH (SU)	Turbidity (NTU)	Temperature (°C)	Conductivity (µS/cm)	ORP (mV)	DO (mg/L)
MW-8	2/2/2010	5.09	2.47	21.35	19	222.3	6.87
MW-9	2/2/2010	6.01	2.10	21.29	141	-7.1	0.85
MW-10	2/2/2010	6.13	1.96	22.23	266	-3.4	0.11
MW-11	2/2/2010	5.16	0.44	19.57	43	157.1	0.14

Notes:

SU = Standard Units

NTU = Nephelometric Turbidity Units

°C = Degrees Celsius

µS/cm = microSiemens per centimeter

mV = milliVolt

mg/L = milligram per Liter

ORP = Oxidation Reduction Potential

DO = Dissolved Oxygen

TABLE 4

**Summary of Detected Constituents in Groundwater
Spring 2011 Semi-Annual Report**

**Camp V Landfill
Escambia County, Florida**

Parameter	Units	MCL	MW-8	MW-9	MW-10	MW-11
			2/9/2011	2/9/2011	2/9/2011	2/9/2011
Inorganic Constituents						
Ammonia (as N)	µg/L	2800 ^a	< 6.5 U	1400	3800	120
Arsenic	µg/L	10	< 4.1 U	5.05 I	6.2 I	< 4.1 U
Barium	µg/L	2000	< 17 U	29.6 I	50.5 I	< 17 U
Chloride	µg/L	250000	3300 I	6600	11000	3700 I
Copper	µg/L	1000	< 2.2 U	7.05 I	< 2.2 U	2.34 I
Iron	µg/L	300	< 38 U	16000	18900	1520
Nickel	µg/L	100	< 2.3 U	< 2.3 U	2.82 I	< 2.3 U
Nitrate-N	µg/L	10000	250 I	170 I	170 I	150 I
Sodium	µg/L	160000	1430	5070	9600	1450
Total Dissolved Solids	µg/L	500000	12000	62000	82000	20000
Zinc	µg/L	5000	16.6 I	< 16 U	< 16 U	< 16 U

Notes:

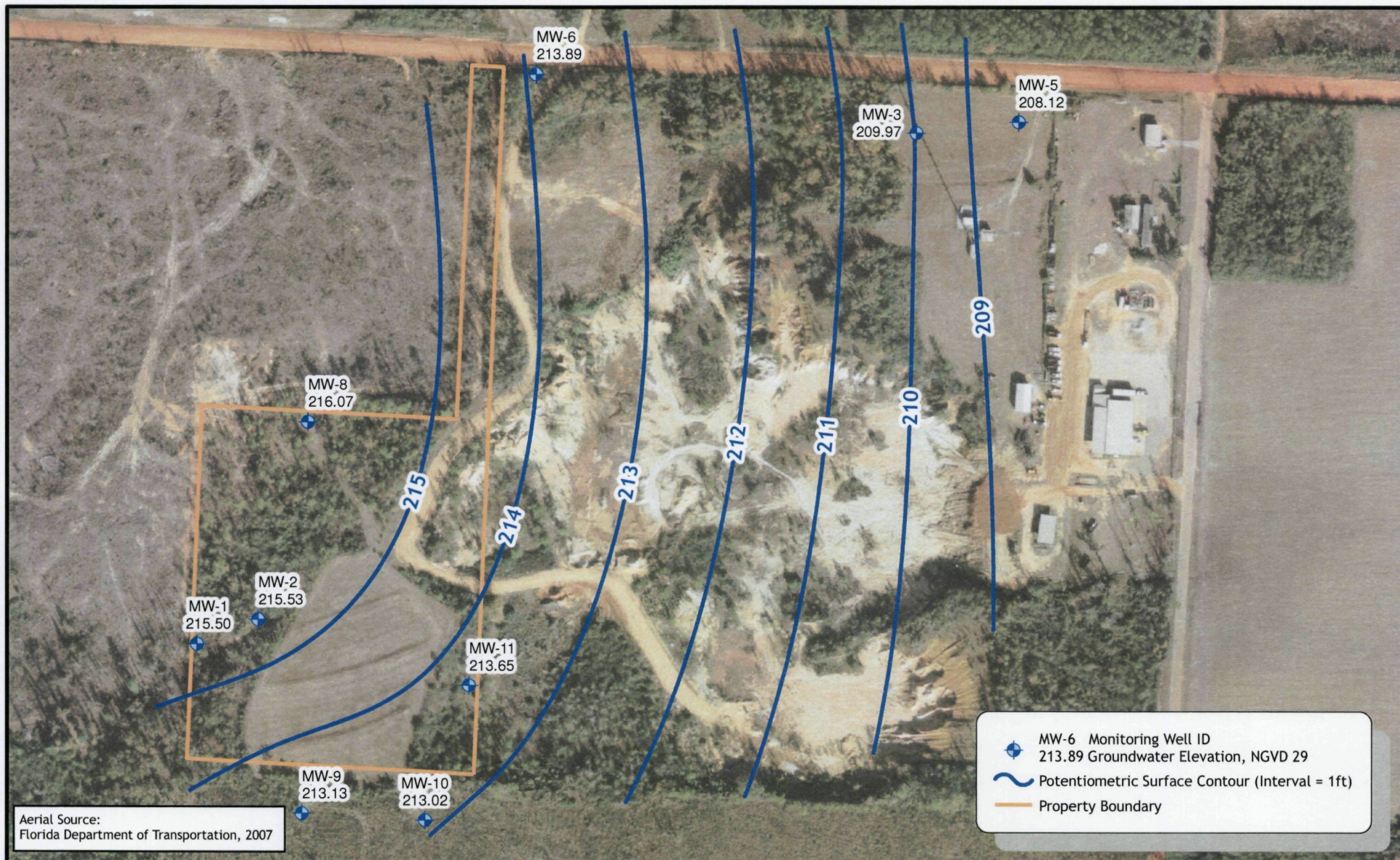
µg/L = micrograms per Liter

Bold = Exceeds regulatory values.

U = Below laboratory detection limit. Value reported is the detection limit.

I = The reported value is between the laboratory method detection limit and the practical quantitation limit.

^aNo Maximum Contamination Level (MCL) established, clean-up criteria from Chapter 62-777, Florida Administrative Code (FAC) used instead.



0 125 250 500
Feet

Coordinate System:
Florida State Plane, North Zone, NAD 83, Feet



**CAMP V LANDFILL
ESCAMBIA COUNTY
FLORIDA**

URS

G:\EscambiaCounty\CampV\F\deliverables\Aprs\2011\
potsurf_CampV_2011_02.mxd
A. Mitchell - Tallahassee - 03/07/11

**FIGURE 1
POTENTIOMETRIC SURFACE
SURFICIAL ZONE
FEBRUARY 9, 2011**

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME:	Camp V Landfill GW	SITE LOCATION:	Escambia County, FL
WELL NO:	MW-8	SAMPLE ID:	MW-8
		DATE:	2/9/11

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Eric Mann / URS				SAMPLER(S) SIGNATURE(S): 				SAMPLING INITIATED AT: 0957		SAMPLING ENDED AT: 1003	
PUMP OR TUBING DEPTH IN WELL (feet): 39				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 ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	3	CG	40 ml	HCL	—	—	8260 c		ESP		
	2	CG	40 ml	—	—	—	8011/8260		ESP		
	1	PE	250 ml	H ₂ SO ₄	—	—	Amm 350.1		ESP		
	1	PE	250 ml	HNO ₃	—	—	Metals		ESP		
	1	PE	500 ml	—	—	—	TPS, Chloride		ESP		
							Nitrate				
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = 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: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ 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

SITE NAME: Camp V Landfill GW		SITE LOCATION: Escambia County, FL	
WELL NO: MW-10	SAMPLE ID: MW-10	DATE: 2/9/11	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Eric Mann URS				SAMPLER(S) / SIGNATURE(S): [Signature]			SAMPLING INITIATED AT: 1306		SAMPLING ENDED AT: 1312	
PUMP OR TUBING DEPTH IN WELL (feet): 46				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 ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	3	CG	40 ml	HCL	—	—	8260 c		ESP	100
	2	CG	40 ml	—	—	—	8011/8260		ESP	100
	1	PE	250 ml	H ₂ SO ₄	—	—	Amm 350.1		ESP	500
	1	PE	250 ml	HNO ₃	—	—	Metals		ESP	500
	1	PE	500 ml	—	—	—	TPS Chloride		ESP	500
							Nitrate			
REMARKS:										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = 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: $\pm 0.2^{\circ}\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2\text{ mg/L}$ or $+10\%$ (whichever is greater) Turbidity: all readings $< 20\text{ NTU}$; optionally $+5\text{ NTU}$ or $+10\%$ (whichever is greater)

Revision Date: February 12, 2009

SITE NAME: Camp V Landfill GW	SITE LOCATION: Escambia County, FL
WELL NO: MW-11	SAMPLE ID: MW-11
	DATE: 2/9/11

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Eric Mem IURS				SAMPLE(S) / SIGNATURE(S): [Signature]				SPRINKLING INITIATED AT: 1422		SPRINKLING ENDED AT: 1428	
PUMP OR TUBING DEPTH IN WELL (feet): 17.5				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 ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	3	CG	40 ml	HCL	—	—	8260 c		ESP		
	2	CG	40 ml	—	—	—	8011 K260		ESP		
	1	PE	250 ml	H2SO4	—	—	Amm 350.1		ESP		
	1	PE	250 ml	HNO3	—	—	metals		ESP		
	1	PE	500 ml	—	—	—	TPS, Chloride		ESP		
							Nitrate				
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = 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

Environmental Conservation Laboratories, Inc.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314

FAX: 407.850.6945



www.encolabs.com

Tuesday, February 22, 2011

URS Corporation (UR005)

Attn: Greg Calhoun

1625 Summit Lake Drive, Suite 200

Tallahassee, FL 32317

RE: Laboratory Results for

Project Number: 1689, Project Name/Desc: CAMP FIVE LANDFILL

ENCO Workorder: A100271

Dear Greg Calhoun,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, February 10, 2011.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Orlando. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Marcia Colon".

Marcia Colon

Project Manager

Enclosure(s)



www.encolabs.com

SAMPLE SUMMARY / LABORATORY CHRONICLE

Client ID:	MW-8	Lab ID: A100271-01	Sampled: 02/09/11 10:03	Received: 02/10/11 14:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 300.0	02/11/11 11:03	02/10/11 17:17	2/11/2011 02:36	
EPA 300.0	03/09/11	02/10/11 17:17	2/11/2011 02:36	
EPA 350.1	03/09/11	02/14/11 08:43	2/14/2011 11:05	
EPA 6020A	08/08/11	02/14/11 10:51	2/19/2011 01:43	
EPA 7470A	03/09/11	02/16/11 10:17	2/17/2011 08:42	
EPA 8011	02/23/11 02/28/11	02/14/11 09:02	2/14/2011 19:31	
EPA 8260B	02/23/11	02/15/11 14:41	2/15/2011 23:52	
Field	02/09/11 11:17	02/09/11 10:03	2/9/2011 10:03	
Field	02/10/11 11:03 02/10/11 11:03	02/09/11 10:03	2/9/2011 10:03	
Field	02/11/11 11:03	02/09/11 10:03	2/9/2011 10:03	
SM18 2540C	02/16/11	02/14/11 16:35	2/15/2011 22:35	

Client ID:	MW-9	Lab ID: A100271-02	Sampled: 02/09/11 11:30	Received: 02/10/11 14:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 300.0	02/11/11 12:30	02/10/11 17:17	2/11/2011 03:29	
EPA 300.0	03/09/11	02/10/11 17:17	2/11/2011 03:29	
EPA 350.1	03/09/11	02/14/11 08:43	2/14/2011 11:10	
EPA 6020A	08/08/11	02/14/11 10:51	2/18/2011 20:31	
EPA 6020A	08/08/11	02/14/11 10:51	2/19/2011 03:14	
EPA 7470A	03/09/11	02/16/11 10:17	2/17/2011 09:04	
EPA 8011	02/23/11 02/28/11	02/14/11 09:02	2/14/2011 19:45	
EPA 8260B	02/23/11	02/15/11 14:41	2/16/2011 00:21	
Field	02/09/11 12:44	02/09/11 11:30	2/9/2011 11:30	
Field	02/10/11 12:30 02/10/11 12:30	02/09/11 11:30	2/9/2011 11:30	
Field	02/11/11 12:30	02/09/11 11:30	2/9/2011 11:30	
SM18 2540C	02/16/11	02/14/11 16:35	2/15/2011 22:35	

Client ID:	MW-11	Lab ID: A100271-03	Sampled: 02/09/11 14:28	Received: 02/10/11 14:30
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 300.0	02/11/11 15:28	02/10/11 17:17	2/11/2011 05:50	
EPA 300.0	03/09/11	02/10/11 17:17	2/11/2011 05:50	
EPA 350.1	03/09/11	02/14/11 08:43	2/14/2011 11:11	
EPA 6020A	08/08/11	02/14/11 10:51	2/19/2011 03:21	
EPA 7470A	03/09/11	02/16/11 10:17	2/17/2011 09:07	
EPA 8011	02/23/11 02/28/11	02/14/11 09:02	2/14/2011 20:00	
EPA 8260B	02/23/11	02/15/11 14:41	2/16/2011 00:51	
Field	02/09/11 15:42	02/09/11 14:28	2/9/2011 14:28	
Field	02/10/11 15:28 02/10/11 15:28	02/09/11 14:28	2/9/2011 14:28	
Field	02/11/11 15:28	02/09/11 14:28	2/9/2011 14:28	
SM18 2540C	02/16/11	02/14/11 16:35	2/15/2011 22:35	



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Client ID:	MW-10	Lab ID: A100271-04	Sampled: 02/09/11 13:12	Received: 02/10/11 14:30
Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	02/11/11 14:12		02/10/11 17:17	2/11/2011 05:15
EPA 300.0	03/09/11		02/10/11 17:17	2/11/2011 05:15
EPA 350.1	03/09/11		02/14/11 08:43	2/14/2011 11:18
EPA 6020A	08/08/11		02/14/11 10:51	2/18/2011 23:41
EPA 6020A	08/08/11		02/14/11 10:51	2/19/2011 03:28
EPA 7470A	03/09/11		02/16/11 10:17	2/17/2011 09:10
EPA 8011	02/23/11	02/28/11	02/14/11 09:02	2/14/2011 20:14
EPA 8260B	02/23/11		02/15/11 14:41	2/16/2011 01:20
Field	02/09/11 14:26		02/09/11 13:12	2/9/2011 13:12
Field	02/10/11 14:12	02/10/11 14:12	02/09/11 13:12	2/9/2011 13:12
Field	02/11/11 14:12		02/09/11 13:12	2/9/2011 13:12
SM18 2540C	02/16/11		02/14/11 16:35	2/15/2011 22:35

Client ID:	EQUIPMENT BLANK	Lab ID: A100271-05	Sampled: 02/09/11 11:53	Received: 02/10/11 14:30
Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	02/11/11 12:53		02/10/11 17:17	2/11/2011 04:39
EPA 300.0	03/09/11		02/10/11 17:17	2/11/2011 04:39
EPA 350.1	03/09/11		02/14/11 08:43	2/14/2011 11:13
EPA 6020A	08/08/11		02/14/11 10:51	2/18/2011 23:06
EPA 7470A	03/09/11		02/16/11 10:17	2/17/2011 09:13
EPA 8011	02/23/11	02/28/11	02/14/11 09:02	2/14/2011 20:28
EPA 8260B	02/23/11		02/16/11 11:39	2/16/2011 17:22
SM18 2540C	02/16/11		02/14/11 16:35	2/15/2011 22:35

Client ID:	Trip Blank	Lab ID: A100271-06	Sampled: 02/09/11 00:00	Received: 02/10/11 14:30
Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/23/11		02/16/11 11:39	2/16/2011 17:52

SAMPLE DETECTION SUMMARY

Client ID: MW-8		Lab ID: A100271-01					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	3.3	I	0.24	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	6.80		0.00	0.00	mg/L	Field	
Nitrate as N	0.25	I	0.014	1.0	mg/L	EPA 300.0	
Oxidation/Reduction Potential	210.2				mV	Field	
pH	5.29				pH Units	Field	
Sodium - Total	1.43		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	15		0	0	umhos/cm	Field	
Temperature	20.80		0.00	0.00	°C	Field	
Total Dissolved Solids	12		10	10	mg/L	SM18 2540C	
Turbidity	2.83		0.00	0.00	NTU	Field	
Water Elevation	216.07				Ft	Field	
Zinc - Total	16.6	I	16.0	50.0	ug/L	EPA 6020A	

Client ID: MW-9		Lab ID: A100271-02					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	1.4		0.0065	0.020	mg/L	EPA 350.1	
Arsenic - Total	5.05	I	4.10	10.0	ug/L	EPA 6020A	
Barium - Total	29.6	I	17.0	100	ug/L	EPA 6020A	
Chloride	6.6		0.24	5.0	mg/L	EPA 300.0	
Copper - Total	7.05	I	2.20	10.0	ug/L	EPA 6020A	
Dissolved Oxygen	0.30		0.00	0.00	mg/L	Field	
Iron - Total	16000		380	500	ug/L	EPA 6020A	
Nitrate as N	0.17	I	0.014	1.0	mg/L	EPA 300.0	
Oxidation/Reduction Potential	23.2				mV	Field	
pH	5.92				pH Units	Field	
Sodium - Total	5.07		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	114		0	0	umhos/cm	Field	
Temperature	20.70		0.00	0.00	°C	Field	
Total Dissolved Solids	62		10	10	mg/L	SM18 2540C	
Turbidity	1.29		0.00	0.00	NTU	Field	
Water Elevation	213.13				Ft	Field	

Client ID: MW-11		Lab ID: A100271-03					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	0.12		0.0065	0.020	mg/L	EPA 350.1	
Chloride	3.7	I	0.24	5.0	mg/L	EPA 300.0	
Copper - Total	2.34	I	2.20	10.0	ug/L	EPA 6020A	
Dissolved Oxygen	0.80		0.00	0.00	mg/L	Field	
Iron - Total	1520		38.0	50.0	ug/L	EPA 6020A	
Nitrate as N	0.15	I	0.014	1.0	mg/L	EPA 300.0	
Oxidation/Reduction Potential	114.7				mV	Field	
pH	5.23				pH Units	Field	
Sodium - Total	1.45		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	26		0	0	umhos/cm	Field	
Temperature	19.60		0.00	0.00	°C	Field	
Total Dissolved Solids	20		10	10	mg/L	SM18 2540C	
Turbidity	0.31		0.00	0.00	NTU	Field	
Water Elevation	213.65				Ft	Field	



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Client ID: MW-10		Lab ID: A100271-04					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	3.8		0.032	0.10	mg/L	EPA 350.1	
Arsenic - Total	6.20	I	4.10	10.0	ug/L	EPA 6020A	
Barium - Total	50.5	I	17.0	100	ug/L	EPA 6020A	
Chloride	11		0.24	5.0	mg/L	EPA 300.0	
Dissolved Oxygen	0.10		0.00	0.00	mg/L	Field	
Iron - Total	18900		380	500	ug/L	EPA 6020A	
Nickel - Total	2.82	I	2.30	10.0	ug/L	EPA 6020A	
Nitrate as N	0.17	I	0.014	1.0	mg/L	EPA 300.0	
pH	6.27				pH Units	Field	
Sodium - Total	9.60		0.320	1.00	mg/L	EPA 6020A	
Specific Conductance (EC)	169		0	0	umhos/cm	Field	
Temperature	21.30		0.00	0.00	°C	Field	
Total Dissolved Solids	82		10	10	mg/L	SM18 2540C	
Turbidity	0.95		0.00	0.00	NTU	Field	
Water Elevation	213.02				Ft	Field	

Client ID: EQUIPMENT BLANK		Lab ID: A100271-05					
Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	6.8		1.8	5.0	ug/L	EPA 8260B	
Chloride	1.7	I	0.24	5.0	mg/L	EPA 300.0	
Chloroform	0.99	I	0.54	1.0	ug/L	EPA 8260B	
Nitrate as N	0.12	I	0.014	1.0	mg/L	EPA 300.0	



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ANALYTICAL RESULTS**Description:** MW-8**Lab Sample ID:** A100271-01**Received:** 02/10/11 14:30**Matrix:** Ground Water**Sampled:** 02/09/11 10:03**Work Order:** A100271**Project:** CAMP FIVE LANDFILL**Sampled By:** Eric Mann**Volatile Organic Compounds by GCMS**

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.50	U	ug/L	1	0.50	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
1,1,1-Trichloroethane [71-55-6] ^	0.59	U	ug/L	1	0.59	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.54	U	ug/L	1	0.54	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.63	U	ug/L	1	0.63	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
1,1-Dichloroethane [75-34-3] ^	0.57	U	ug/L	1	0.57	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
1,1-Dichloroethene [75-35-4] ^	0.94	U	ug/L	1	0.94	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
1,2,3-Trichloropropane [96-18-4] ^	0.64	U	ug/L	1	0.64	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.57	U	ug/L	1	0.57	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
1,2-Dichloroethane [107-06-2] ^	0.50	U	ug/L	1	0.50	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
1,2-Dichloropropane [78-87-5] ^	0.80	U	ug/L	1	0.80	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.46	U	ug/L	1	0.46	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
2-Butanone [78-93-3] ^	4.5	U	ug/L	1	4.5	5.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
2-Hexanone [591-78-6] ^	1.4	U	ug/L	1	1.4	5.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
4-Methyl-2-pentanone [108-10-1] ^	2.8	U	ug/L	1	2.8	5.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Acetone [67-64-1] ^	1.8	U	ug/L	1	1.8	5.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Acrylonitrile [107-13-1] ^	3.2	U	ug/L	1	3.2	5.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Benzene [71-43-2] ^	0.58	U	ug/L	1	0.58	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Bromochloromethane [74-97-5] ^	0.94	U	ug/L	1	0.94	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Bromodichloromethane [75-27-4] ^	0.62	U	ug/L	1	0.62	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Bromoform [75-25-2] ^	0.75	U	ug/L	1	0.75	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Bromomethane [74-83-9] ^	0.95	U	ug/L	1	0.95	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Carbon disulfide [75-15-0] ^	1.9	U	ug/L	1	1.9	5.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Carbon tetrachloride [56-23-5] ^	0.65	U	ug/L	1	0.65	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Chlorobenzene [108-90-7] ^	0.51	U	ug/L	1	0.51	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Chloroethane [75-00-3] ^	0.98	U	ug/L	1	0.98	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Chloroform [67-66-3] ^	0.54	U	ug/L	1	0.54	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Chloromethane [74-87-3] ^	0.82	U	ug/L	1	0.82	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.49	U	ug/L	1	0.49	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.59	U	ug/L	1	0.59	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Dibromochloromethane [124-48-1] ^	0.44	U	ug/L	1	0.44	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Dibromomethane [74-95-3] ^	0.44	U	ug/L	1	0.44	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Ethylbenzene [100-41-4] ^	0.69	U	ug/L	1	0.69	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Iodomethane [74-88-4] ^	0.51	U	ug/L	1	0.51	3.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
m,p-Xylenes [108-38-3/106-42-3] ^	1.3	U	ug/L	1	1.3	2.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Methylene chloride [75-09-2] ^	0.69	U	ug/L	1	0.69	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
o-Xylene [95-47-6] ^	0.53	U	ug/L	1	0.53	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Styrene [100-42-5] ^	0.49	U	ug/L	1	0.49	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Tetrachloroethene [127-18-4] ^	0.76	U	ug/L	1	0.76	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Toluene [108-88-3] ^	0.58	U	ug/L	1	0.58	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.72	U	ug/L	1	0.72	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.64	U	ug/L	1	0.64	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.79	U	ug/L	1	0.79	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Trichloroethene [79-01-6] ^	0.55	U	ug/L	1	0.55	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Trichlorofluoromethane [75-69-4] ^	0.68	U	ug/L	1	0.68	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Vinyl acetate [108-05-4] ^	0.60	U	ug/L	1	0.60	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Vinyl chloride [75-01-4] ^	0.71	U	ug/L	1	0.71	1.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	
Xylenes (Total) [1330-20-7] ^	1.8	U	ug/L	1	1.8	2.0	1B15017	EPA 8260B	02/15/11 23:52	kdw	



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Description: MW-8

Matrix: Ground Water

Project: CAMP FIVE LANDFILL

Lab Sample ID: A100271-01

Sampled: 02/09/11 10:03

Sampled By: Eric Mann

Received: 02/10/11 14:30

Work Order: A100271

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
<i>Surrogates</i>	<i>Results</i>	<i>DF</i>	<i>Spike Lvl</i>	<i>% Rec</i>	<i>% Rec Limits</i>		<i>Batch</i>	<i>Method</i>	<i>Analyzed</i>	<i>By</i>	<i>Notes</i>
4-Bromofluorobenzene	46	1	50.0	92 %	41-142		1B15017	EPA 8260B	02/15/11 23:52	kdw	
Dibromofluoromethane	38	1	50.0	76 %	53-146		1B15017	EPA 8260B	02/15/11 23:52	kdw	
Toluene-d8	50	1	50.0	100 %	41-146		1B15017	EPA 8260B	02/15/11 23:52	kdw	



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Description: MW-8

Lab Sample ID: A100271-01

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 10:03

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.004	U	ug/L	1	0.004	0.020	1B14015	EPA 8011	02/14/11 19:31	JJB	
1,2-Dibromoethane [106-93-4] ^	0.003	U	ug/L	1	0.003	0.020	1B14015	EPA 8011	02/14/11 19:31	JJB	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
1,1,1,2-Tetrachloroethane	0.26	1	0.250	104 %	70-130	1B14015	EPA 8011	02/14/11 19:31	JJB		

Description: MW-8
Matrix: Ground Water
Project: CAMP FIVE LANDFILL

Lab Sample ID: A100271-01
Sampled: 02/09/11 10:03
Sampled By: Eric Mann

Received: 02/10/11 14:30
Work Order: A100271

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Mercury [7439-97-6] ^	0.0110	U	ug/L	1	0.0110	0.200	1B11025	EPA 7470A	02/17/11 08:42	JAY	



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Description: MW-8

Lab Sample ID: A100271-01

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 10:03

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1B11020	EPA 6020A	02/19/11 01:43	JAY	
Arsenic [7440-38-2] ^	4.10	U	ug/L	1	4.10	10.0	1B11020	EPA 6020A	02/19/11 01:43	JAY	
Barium [7440-39-3] ^	17.0	U	ug/L	1	17.0	100	1B11020	EPA 6020A	02/19/11 01:43	JAY	
Beryllium [7440-41-7] ^	0.940	U	ug/L	1	0.940	1.00	1B11020	EPA 6020A	02/19/11 01:43	JAY	
Cadmium [7440-43-9] ^	1.10	U	ug/L	1	1.10	3.00	1B11020	EPA 6020A	02/19/11 01:43	JAY	
Chromium [7440-47-3] ^	4.50	U	ug/L	1	4.50	10.0	1B11020	EPA 6020A	02/19/11 01:43	JAY	
Cobalt [7440-48-4] ^	2.10	U	ug/L	1	2.10	10.0	1B11020	EPA 6020A	02/19/11 01:43	JAY	
Copper [7440-50-8] ^	2.20	U	ug/L	1	2.20	10.0	1B11020	EPA 6020A	02/19/11 01:43	JAY	
Iron [7439-89-6] ^	38.0	U	ug/L	1	38.0	50.0	1B11020	EPA 6020A	02/19/11 01:43	JAY	
Lead [7439-92-1] ^	1.60	U	ug/L	1	1.60	5.00	1B11020	EPA 6020A	02/19/11 01:43	JAY	
Nickel [7440-02-0] ^	2.30	U	ug/L	1	2.30	10.0	1B11020	EPA 6020A	02/19/11 01:43	JAY	
Selenium [7782-49-2] ^	5.30	U	ug/L	1	5.30	10.0	1B11020	EPA 6020A	02/19/11 01:43	JAY	
Silver [7440-22-4] ^	0.290	U	ug/L	1	0.290	1.00	1B11020	EPA 6020A	02/19/11 01:43	JAY	
Sodium [7440-23-5] ^	1.43		mg/L	1	0.320	1.00	1B11020	EPA 6020A	02/19/11 01:43	JAY	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1B11020	EPA 6020A	02/19/11 01:43	JAY	
Vanadium [7440-62-2] ^	1.70	U	ug/L	1	1.70	10.0	1B11020	EPA 6020A	02/19/11 01:43	JAY	
Zinc [7440-66-6] ^	16.6	I	ug/L	1	16.0	50.0	1B11020	EPA 6020A	02/19/11 01:43	JAY	

Description: MW-8
Matrix: Ground Water
Project: CAMP FIVE LANDFILL

Lab Sample ID: A100271-01
Sampled: 02/09/11 10:03
Sampled By: Eric Mann

Received: 02/10/11 14:30
Work Order: A100271

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	0.0065	U	mg/L	1	0.0065	0.020	1B14011	EPA 350.1	02/14/11 11:05	KGonz	
Chloride [16887-00-6] ^	3.3	I	mg/L	1	0.24	5.0	1B10004	EPA 300.0	02/11/11 02:36	RSA	
Nitrate as N [14797-55-8] ^	0.25	I	mg/L	1	0.014	1.0	1B10004	EPA 300.0	02/11/11 02:36	RSA	
Total Dissolved Solids [ECL-0156] ^	12		mg/L	1	10	10	1B14038	SM18 2540C	02/15/11 22:35	AH	



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Description: MW-8

Lab Sample ID: A100271-01

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 10:03

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	6.80		mg/L	1	0.00	0.00	1B14023	Field	02/09/11 10:03	FLD	
Oxidation/Reduction Potential [ECL-0110]	210.2		mV	1			1B14023	Field	02/09/11 10:03	FLD	
pH [ECL-0062]	5.29		pH Units	1			1B14023	Field	02/09/11 10:03	FLD	
Specific Conductance (EC) [ECL-0146]	15		umhos/cm	1	0	0	1B14023	Field	02/09/11 10:03	FLD	
Temperature [ECL-0151]	20.80		°C	1	0.00	0.00	1B14023	Field	02/09/11 10:03	FLD	
Turbidity [ECL-0177]	2.83		NTU	1	0.00	0.00	1B14023	Field	02/09/11 10:03	FLD	
Water Elevation [ECL-0180]	216.07		Ft	1			1B14023	Field	02/09/11 10:03	FLD	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-9
Matrix: Ground Water
Project: CAMP FIVE LANDFILL

Lab Sample ID: A100271-02
Sampled: 02/09/11 11:30
Sampled By: Eric Mann

Received: 02/10/11 14:30
Work Order: A100271

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.50	U	ug/L	1	0.50	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
1,1,1-Trichloroethane [71-55-6] ^	0.59	U	ug/L	1	0.59	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.54	U	ug/L	1	0.54	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.63	U	ug/L	1	0.63	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
1,1-Dichloroethane [75-34-3] ^	0.57	U	ug/L	1	0.57	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
1,1-Dichloroethene [75-35-4] ^	0.94	U	ug/L	1	0.94	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
1,2,3-Trichloropropane [96-18-4] ^	0.64	U	ug/L	1	0.64	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.57	U	ug/L	1	0.57	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
1,2-Dichloroethane [107-06-2] ^	0.50	U	ug/L	1	0.50	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
1,2-Dichloropropane [78-87-5] ^	0.80	U	ug/L	1	0.80	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.46	U	ug/L	1	0.46	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
2-Butanone [78-93-3] ^	4.5	U	ug/L	1	4.5	5.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
2-Hexanone [591-78-6] ^	1.4	U	ug/L	1	1.4	5.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
4-Methyl-2-pentanone [108-10-1] ^	2.8	U	ug/L	1	2.8	5.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Acetone [67-64-1] ^	1.8	U	ug/L	1	1.8	5.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Acrylonitrile [107-13-1] ^	3.2	U	ug/L	1	3.2	5.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Benzene [71-43-2] ^	0.58	U	ug/L	1	0.58	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Bromochloromethane [74-97-5] ^	0.94	U	ug/L	1	0.94	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Bromodichloromethane [75-27-4] ^	0.62	U	ug/L	1	0.62	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Bromoform [75-25-2] ^	0.75	U	ug/L	1	0.75	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Bromomethane [74-83-9] ^	0.95	U	ug/L	1	0.95	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Carbon disulfide [75-15-0] ^	1.9	U	ug/L	1	1.9	5.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Carbon tetrachloride [56-23-5] ^	0.65	U	ug/L	1	0.65	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Chlorobenzene [108-90-7] ^	0.51	U	ug/L	1	0.51	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Chloroethane [75-00-3] ^	0.98	U	ug/L	1	0.98	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Chloroform [67-66-3] ^	0.54	U	ug/L	1	0.54	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Chloromethane [74-87-3] ^	0.82	U	ug/L	1	0.82	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.49	U	ug/L	1	0.49	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.59	U	ug/L	1	0.59	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Dibromochloromethane [124-48-1] ^	0.44	U	ug/L	1	0.44	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Dibromomethane [74-95-3] ^	0.44	U	ug/L	1	0.44	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Ethylbenzene [100-41-4] ^	0.69	U	ug/L	1	0.69	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Iodomethane [74-88-4] ^	0.51	U	ug/L	1	0.51	3.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
m,p-Xylenes [108-38-3/106-42-3] ^	1.3	U	ug/L	1	1.3	2.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Methylene chloride [75-09-2] ^	0.69	U	ug/L	1	0.69	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
o-Xylene [95-47-6] ^	0.53	U	ug/L	1	0.53	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Styrene [100-42-5] ^	0.49	U	ug/L	1	0.49	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Tetrachloroethene [127-18-4] ^	0.76	U	ug/L	1	0.76	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Toluene [108-88-3] ^	0.58	U	ug/L	1	0.58	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.72	U	ug/L	1	0.72	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.64	U	ug/L	1	0.64	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.79	U	ug/L	1	0.79	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Trichloroethene [79-01-6] ^	0.55	U	ug/L	1	0.55	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Trichlorofluoromethane [75-69-4] ^	0.68	U	ug/L	1	0.68	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Vinyl acetate [108-05-4] ^	0.60	U	ug/L	1	0.60	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Vinyl chloride [75-01-4] ^	0.71	U	ug/L	1	0.71	1.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Xylenes (Total) [1330-20-7] ^	1.8	U	ug/L	1	1.8	2.0	1B15017	EPA 8260B	02/16/11 00:21	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	42	1	50.0	84 %	41-142	1B15017	EPA 8260B	02/16/11 00:21	kdw	
Dibromofluoromethane	36	1	50.0	73 %	53-146	1B15017	EPA 8260B	02/16/11 00:21	kdw	



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Description: MW-9

Lab Sample ID: A100271-02

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 11:30

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
Toluene-d8	45	1	50.0	91 %	41-146		1B15017	EPA 8260B	02/16/11 00:21	kdw	



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Description: MW-9

Lab Sample ID: A100271-02

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 11:30

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.004	U	ug/L	1	0.004	0.020	1B14015	EPA 8011	02/14/11 19:45	JJB	
1,2-Dibromoethane [106-93-4] ^	0.003	U	ug/L	1	0.003	0.020	1B14015	EPA 8011	02/14/11 19:45	JJB	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane	0.26	1	0.250	106 %	70-130	1B14015	EPA 8011	02/14/11 19:45	JJB	



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Description: MW-9

Lab Sample ID: A100271-02

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 11:30

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Mercury [7439-97-6] ^	0.0110	U	ug/L	1	0.0110	0.200	1B11025	EPA 7470A	02/17/11 09:04	JAY	



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Description: MW-9

Lab Sample ID: A100271-02

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 11:30

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1B11020	EPA 6020A	02/19/11 03:14	JAY	
Arsenic [7440-38-2] ^	5.05	I	ug/L	1	4.10	10.0	1B11020	EPA 6020A	02/19/11 03:14	JAY	
Barium [7440-39-3] ^	29.6	I	ug/L	1	17.0	100	1B11020	EPA 6020A	02/19/11 03:14	JAY	
Beryllium [7440-41-7] ^	0.940	U	ug/L	1	0.940	1.00	1B11020	EPA 6020A	02/19/11 03:14	JAY	
Cadmium [7440-43-9] ^	1.10	U	ug/L	1	1.10	3.00	1B11020	EPA 6020A	02/19/11 03:14	JAY	
Chromium [7440-47-3] ^	4.50	U	ug/L	1	4.50	10.0	1B11020	EPA 6020A	02/19/11 03:14	JAY	
Cobalt [7440-48-4] ^	2.10	U	ug/L	1	2.10	10.0	1B11020	EPA 6020A	02/19/11 03:14	JAY	
Copper [7440-50-8] ^	7.05	I	ug/L	1	2.20	10.0	1B11020	EPA 6020A	02/19/11 03:14	JAY	
Iron [7439-89-6] ^	16000		ug/L	10	380	500	1B11020	EPA 6020A	02/18/11 20:31	JAY	
Lead [7439-92-1] ^	1.60	U	ug/L	1	1.60	5.00	1B11020	EPA 6020A	02/19/11 03:14	JAY	
Nickel [7440-02-0] ^	2.30	U	ug/L	1	2.30	10.0	1B11020	EPA 6020A	02/19/11 03:14	JAY	
Selenium [7782-49-2] ^	5.30	U	ug/L	1	5.30	10.0	1B11020	EPA 6020A	02/19/11 03:14	JAY	
Silver [7440-22-4] ^	0.290	U	ug/L	1	0.290	1.00	1B11020	EPA 6020A	02/19/11 03:14	JAY	
Sodium [7440-23-5] ^	5.07		mg/L	1	0.320	1.00	1B11020	EPA 6020A	02/19/11 03:14	JAY	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1B11020	EPA 6020A	02/19/11 03:14	JAY	
Vanadium [7440-62-2] ^	1.70	U	ug/L	1	1.70	10.0	1B11020	EPA 6020A	02/19/11 03:14	JAY	
Zinc [7440-66-6] ^	16.0	U	ug/L	1	16.0	50.0	1B11020	EPA 6020A	02/19/11 03:14	JAY	



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Description: MW-9

Matrix: Ground Water

Project: CAMP FIVE LANDFILL

Lab Sample ID: A100271-02

Sampled: 02/09/11 11:30

Sampled By: Eric Mann

Received: 02/10/11 14:30

Work Order: A100271

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	1.4		mg/L	1	0.0065	0.020	1B14011	EPA 350.1	02/14/11 11:10	KGonz	
Chloride [16887-00-6] ^	6.6		mg/L	1	0.24	5.0	1B10004	EPA 300.0	02/11/11 03:29	RSA	
Nitrate as N [14797-55-8] ^	0.17	I	mg/L	1	0.014	1.0	1B10004	EPA 300.0	02/11/11 03:29	RSA	
Total Dissolved Solids [ECL-0156] ^	62		mg/L	1	10	10	1B14038	SM18 2540C	02/15/11 22:35	AH	



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Description: MW-9

Lab Sample ID: A100271-02

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 11:30

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.30		mg/L	1	0.00	0.00	1B14023	Field	02/09/11 11:30	FLD	
Oxidation/Reduction Potential [ECL-0110]	23.2		mV	1			1B14023	Field	02/09/11 11:30	FLD	
pH [ECL-0062]	5.92		pH Units	1			1B14023	Field	02/09/11 11:30	FLD	
Specific Conductance (EC) [ECL-0146]	114		umhos/cm	1	0	0	1B14023	Field	02/09/11 11:30	FLD	
Temperature [ECL-0151]	20.70		°C	1	0.00	0.00	1B14023	Field	02/09/11 11:30	FLD	
Turbidity [ECL-0177]	1.29		NTU	1	0.00	0.00	1B14023	Field	02/09/11 11:30	FLD	
Water Elevation [ECL-0180]	213.13		Ft	1			1B14023	Field	02/09/11 11:30	FLD	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.



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Description: MW-11

Lab Sample ID: A100271-03

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 14:28

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.50	U	ug/L	1	0.50	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
1,1,1-Trichloroethane [71-55-6] ^	0.59	U	ug/L	1	0.59	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.54	U	ug/L	1	0.54	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.63	U	ug/L	1	0.63	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
1,1-Dichloroethane [75-34-3] ^	0.57	U	ug/L	1	0.57	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
1,1-Dichloroethene [75-35-4] ^	0.94	U	ug/L	1	0.94	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
1,2,3-Trichloropropane [96-18-4] ^	0.64	U	ug/L	1	0.64	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.57	U	ug/L	1	0.57	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
1,2-Dichloroethane [107-06-2] ^	0.50	U	ug/L	1	0.50	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
1,2-Dichloropropane [78-87-5] ^	0.80	U	ug/L	1	0.80	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.46	U	ug/L	1	0.46	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
2-Butanone [78-93-3] ^	4.5	U	ug/L	1	4.5	5.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
2-Hexanone [591-78-6] ^	1.4	U	ug/L	1	1.4	5.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
4-Methyl-2-pentanone [108-10-1] ^	2.8	U	ug/L	1	2.8	5.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Acetone [67-64-1] ^	1.8	U	ug/L	1	1.8	5.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Acrylonitrile [107-13-1] ^	3.2	U	ug/L	1	3.2	5.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Benzene [71-43-2] ^	0.58	U	ug/L	1	0.58	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Bromochloromethane [74-97-5] ^	0.94	U	ug/L	1	0.94	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Bromodichloromethane [75-27-4] ^	0.62	U	ug/L	1	0.62	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Bromoform [75-25-2] ^	0.75	U	ug/L	1	0.75	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Bromomethane [74-83-9] ^	0.95	U	ug/L	1	0.95	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Carbon disulfide [75-15-0] ^	1.9	U	ug/L	1	1.9	5.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Carbon tetrachloride [56-23-5] ^	0.65	U	ug/L	1	0.65	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Chlorobenzene [108-90-7] ^	0.51	U	ug/L	1	0.51	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Chloroethane [75-00-3] ^	0.98	U	ug/L	1	0.98	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Chloroform [67-66-3] ^	0.54	U	ug/L	1	0.54	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Chloromethane [74-87-3] ^	0.82	U	ug/L	1	0.82	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.49	U	ug/L	1	0.49	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.59	U	ug/L	1	0.59	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Dibromochloromethane [124-48-1] ^	0.44	U	ug/L	1	0.44	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Dibromomethane [74-95-3] ^	0.44	U	ug/L	1	0.44	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Ethylbenzene [100-41-4] ^	0.69	U	ug/L	1	0.69	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Iodomethane [74-88-4] ^	0.51	U	ug/L	1	0.51	3.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
m,p-Xylenes [108-38-3/106-42-3] ^	1.3	U	ug/L	1	1.3	2.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Methylene chloride [75-09-2] ^	0.69	U	ug/L	1	0.69	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
o-Xylene [95-47-6] ^	0.53	U	ug/L	1	0.53	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Styrene [100-42-5] ^	0.49	U	ug/L	1	0.49	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Tetrachloroethene [127-18-4] ^	0.76	U	ug/L	1	0.76	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Toluene [108-88-3] ^	0.58	U	ug/L	1	0.58	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.72	U	ug/L	1	0.72	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.64	U	ug/L	1	0.64	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.79	U	ug/L	1	0.79	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Trichloroethene [79-01-6] ^	0.55	U	ug/L	1	0.55	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Trichlorofluoromethane [75-69-4] ^	0.68	U	ug/L	1	0.68	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Vinyl acetate [108-05-4] ^	0.60	U	ug/L	1	0.60	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Vinyl chloride [75-01-4] ^	0.71	U	ug/L	1	0.71	1.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Xylenes (Total) [1330-20-7] ^	1.8	U	ug/L	1	1.8	2.0	1B15017	EPA 8260B	02/16/11 00:51	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	39	1	50.0	79 %	41-142	1B15017	EPA 8260B	02/16/11 00:51	kdw	
Dibromofluoromethane	32	1	50.0	65 %	53-146	1B15017	EPA 8260B	02/16/11 00:51	kdw	



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Description: MW-11

Matrix: Ground Water

Project: CAMP FIVE LANDFILL

Lab Sample ID: A100271-03

Sampled: 02/09/11 14:28

Sampled By: Eric Mann

Received: 02/10/11 14:30

Work Order: A100271

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
<i>Surrogates</i>	<i>Results</i>	<i>DF</i>	<i>Spike Lvl</i>	<i>% Rec</i>	<i>% Rec Limits</i>		<i>Batch</i>	<i>Method</i>	<i>Analyzed</i>	<i>By</i>	<i>Notes</i>
Toluene-d8	41	1	50.0	81 %	41-146		1815017	EPA 8260B	02/16/11 00:51	kdw	



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Description: MW-11

Lab Sample ID: A100271-03

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 14:28

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.004	U	ug/L	1	0.004	0.020	1B14015	EPA 8011	02/14/11 20:00	JJB	
1,2-Dibromoethane [106-93-4] ^	0.003	U	ug/L	1	0.003	0.020	1B14015	EPA 8011	02/14/11 20:00	JJB	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane	0.27	1	0.250	106 %	70-130	1B14015	EPA 8011	02/14/11 20:00	JJB	



Description: MW-11

Matrix: Ground Water

Project: CAMP FIVE LANDFILL

Lab Sample ID: A100271-03

Sampled: 02/09/11 14:28

Sampled By: Eric Mann

Received: 02/10/11 14:30

Work Order: A100271

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0110	U	ug/L	1	0.0110	0.200	1B11025	EPA 7470A	02/17/11 09:07	JAY	



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Description: MW-11

Lab Sample ID: A100271-03

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 14:28

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1B11020	EPA 6020A	02/19/11 03:21	JAY	
Arsenic [7440-38-2] ^	4.10	U	ug/L	1	4.10	10.0	1B11020	EPA 6020A	02/19/11 03:21	JAY	
Barium [7440-39-3] ^	17.0	U	ug/L	1	17.0	100	1B11020	EPA 6020A	02/19/11 03:21	JAY	
Beryllium [7440-41-7] ^	0.940	U	ug/L	1	0.940	1.00	1B11020	EPA 6020A	02/19/11 03:21	JAY	
Cadmium [7440-43-9] ^	1.10	U	ug/L	1	1.10	3.00	1B11020	EPA 6020A	02/19/11 03:21	JAY	
Chromium [7440-47-3] ^	4.50	U	ug/L	1	4.50	10.0	1B11020	EPA 6020A	02/19/11 03:21	JAY	
Cobalt [7440-48-4] ^	2.10	U	ug/L	1	2.10	10.0	1B11020	EPA 6020A	02/19/11 03:21	JAY	
Copper [7440-50-8] ^	2.34	I	ug/L	1	2.20	10.0	1B11020	EPA 6020A	02/19/11 03:21	JAY	
Iron [7439-89-6] ^	1520		ug/L	1	38.0	50.0	1B11020	EPA 6020A	02/19/11 03:21	JAY	
Lead [7439-92-1] ^	1.60	U	ug/L	1	1.60	5.00	1B11020	EPA 6020A	02/19/11 03:21	JAY	
Nickel [7440-02-0] ^	2.30	U	ug/L	1	2.30	10.0	1B11020	EPA 6020A	02/19/11 03:21	JAY	
Selenium [7782-49-2] ^	5.30	U	ug/L	1	5.30	10.0	1B11020	EPA 6020A	02/19/11 03:21	JAY	
Silver [7440-22-4] ^	0.290	U	ug/L	1	0.290	1.00	1B11020	EPA 6020A	02/19/11 03:21	JAY	
Sodium [7440-23-5] ^	1.45		mg/L	1	0.320	1.00	1B11020	EPA 6020A	02/19/11 03:21	JAY	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1B11020	EPA 6020A	02/19/11 03:21	JAY	
Vanadium [7440-62-2] ^	1.70	U	ug/L	1	1.70	10.0	1B11020	EPA 6020A	02/19/11 03:21	JAY	
Zinc [7440-66-6] ^	16.0	U	ug/L	1	16.0	50.0	1B11020	EPA 6020A	02/19/11 03:21	JAY	

Description: MW-11
Matrix: Ground Water
Project: CAMP FIVE LANDFILL

Lab Sample ID: A100271-03
Sampled: 02/09/11 14:28
Sampled By: Eric Mann

Received: 02/10/11 14:30
Work Order: A100271

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	0.12		mg/L	1	0.0065	0.020	1B14011	EPA 350.1	02/14/11 11:11	KGonz	
Chloride [16887-00-6] ^	3.7	I	mg/L	1	0.24	5.0	1B10004	EPA 300.0	02/11/11 05:50	RSA	
Nitrate as N [14797-55-8] ^	0.15	I	mg/L	1	0.014	1.0	1B10004	EPA 300.0	02/11/11 05:50	RSA	
Total Dissolved Solids [ECL-0156] ^	20		mg/L	1	10	10	1B14038	SM18 2540C	02/15/11 22:35	AH	



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Description: MW-11

Lab Sample ID: A100271-03

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 14:28

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.80		mg/L	1	0.00	0.00	1B14023	Field	02/09/11 14:28	FLD	
Oxidation/Reduction Potential [ECL-0110]	114.7		mV	1			1B18015	Field	02/09/11 14:28	FLD	
pH [ECL-0062]	5.23		pH Units	1			1B14023	Field	02/09/11 14:28	FLD	
Specific Conductance (EC) [ECL-0146]	26		umhos/cm	1	0	0	1B14023	Field	02/09/11 14:28	FLD	
Temperature [ECL-0151]	19.60		°C	1	0.00	0.00	1B14023	Field	02/09/11 14:28	FLD	
Turbidity [ECL-0177]	0.31		NTU	1	0.00	0.00	1B14023	Field	02/09/11 14:28	FLD	
Water Elevation [ECL-0180]	213.65		Ft	1			1B14023	Field	02/09/11 14:28	FLD	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

Description: MW-10
Matrix: Ground Water
Project: CAMP FIVE LANDFILL

Lab Sample ID: A100271-04
Sampled: 02/09/11 13:12
Sampled By: Eric Mann

Received: 02/10/11 14:30
Work Order: A100271

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.50	U	ug/L	1	0.50	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
1,1,1-Trichloroethane [71-55-6] ^	0.59	U	ug/L	1	0.59	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.54	U	ug/L	1	0.54	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.63	U	ug/L	1	0.63	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
1,1-Dichloroethane [75-34-3] ^	0.57	U	ug/L	1	0.57	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
1,1-Dichloroethene [75-35-4] ^	0.94	U	ug/L	1	0.94	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
1,2,3-Trichloropropane [96-18-4] ^	0.64	U	ug/L	1	0.64	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.57	U	ug/L	1	0.57	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
1,2-Dichloroethane [107-06-2] ^	0.50	U	ug/L	1	0.50	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
1,2-Dichloropropane [78-87-5] ^	0.80	U	ug/L	1	0.80	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.46	U	ug/L	1	0.46	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
2-Butanone [78-93-3] ^	4.5	U	ug/L	1	4.5	5.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
2-Hexanone [591-78-6] ^	1.4	U	ug/L	1	1.4	5.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
4-Methyl-2-pentanone [108-10-1] ^	2.8	U	ug/L	1	2.8	5.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Acetone [67-64-1] ^	1.8	U	ug/L	1	1.8	5.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Acrylonitrile [107-13-1] ^	3.2	U	ug/L	1	3.2	5.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Benzene [71-43-2] ^	0.58	U	ug/L	1	0.58	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Bromochloromethane [74-97-5] ^	0.94	U	ug/L	1	0.94	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Bromodichloromethane [75-27-4] ^	0.62	U	ug/L	1	0.62	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Bromoform [75-25-2] ^	0.75	U	ug/L	1	0.75	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Bromomethane [74-83-9] ^	0.95	U	ug/L	1	0.95	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Carbon disulfide [75-15-0] ^	1.9	U	ug/L	1	1.9	5.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Carbon tetrachloride [56-23-5] ^	0.65	U	ug/L	1	0.65	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Chlorobenzene [108-90-7] ^	0.51	U	ug/L	1	0.51	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Chloroethane [75-00-3] ^	0.98	U	ug/L	1	0.98	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Chloroform [67-66-3] ^	0.54	U	ug/L	1	0.54	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Chloromethane [74-87-3] ^	0.82	U	ug/L	1	0.82	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.49	U	ug/L	1	0.49	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.59	U	ug/L	1	0.59	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Dibromochloromethane [124-48-1] ^	0.44	U	ug/L	1	0.44	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Dibromomethane [74-95-3] ^	0.44	U	ug/L	1	0.44	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Ethylbenzene [100-41-4] ^	0.69	U	ug/L	1	0.69	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Iodomethane [74-88-4] ^	0.51	U	ug/L	1	0.51	3.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
m,p-Xylenes [108-38-3/106-42-3] ^	1.3	U	ug/L	1	1.3	2.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Methylene chloride [75-09-2] ^	0.69	U	ug/L	1	0.69	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
o-Xylene [95-47-6] ^	0.53	U	ug/L	1	0.53	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Styrene [100-42-5] ^	0.49	U	ug/L	1	0.49	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Tetrachloroethene [127-18-4] ^	0.76	U	ug/L	1	0.76	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Toluene [108-88-3] ^	0.58	U	ug/L	1	0.58	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.72	U	ug/L	1	0.72	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.64	U	ug/L	1	0.64	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.79	U	ug/L	1	0.79	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Trichloroethene [79-01-6] ^	0.55	U	ug/L	1	0.55	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Trichlorofluoromethane [75-69-4] ^	0.68	U	ug/L	1	0.68	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Vinyl acetate [108-05-4] ^	0.60	U	ug/L	1	0.60	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Vinyl chloride [75-01-4] ^	0.71	U	ug/L	1	0.71	1.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Xylenes (Total) [1330-20-7] ^	1.8	U	ug/L	1	1.8	2.0	1B15017	EPA 8260B	02/16/11 01:20	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	41	1	50.0	82 %	41-142	1B15017	EPA 8260B	02/16/11 01:20	kdw	
Dibromofluoromethane	34	1	50.0	69 %	53-146	1B15017	EPA 8260B	02/16/11 01:20	kdw	



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Description: MW-10

Lab Sample ID: A100271-04

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 13:12

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
Toluene-d8	45	1	50.0	89 %	41-146		1B15017	EPA 8260B	02/16/11 01:20	kdw	

Description: MW-10
Matrix: Ground Water
Project: CAMP FIVE LANDFILL

Lab Sample ID: A100271-04
Sampled: 02/09/11 13:12
Sampled By: Eric Mann

Received: 02/10/11 14:30
Work Order: A100271

Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.004	U	ug/L	1	0.004	0.020	1B14015	EPA 8011	02/14/11 20:14	JJB	
1,2-Dibromoethane [106-93-4] ^	0.003	U	ug/L	1	0.003	0.020	1B14015	EPA 8011	02/14/11 20:14	JJB	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
1,1,1,2-Tetrachloroethane	0.27	1	0.250	106 %	70-130	1B14015	EPA 8011	02/14/11 20:14	JJB		



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Description: MW-10

Lab Sample ID: A100271-04

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 13:12

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0110	U	ug/L	1	0.0110	0.200	1B11025	EPA 7470A	02/17/11 09:10	JAY	



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Description: MW-10

Matrix: Ground Water

Project: CAMP FIVE LANDFILL

Lab Sample ID: A100271-04

Sampled: 02/09/11 13:12

Sampled By: Eric Mann

Received: 02/10/11 14:30

Work Order: A100271

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1B11020	EPA 6020A	02/19/11 03:28	JAY	
Arsenic [7440-38-2] ^	6.20	I	ug/L	1	4.10	10.0	1B11020	EPA 6020A	02/19/11 03:28	JAY	
Barium [7440-39-3] ^	50.5	I	ug/L	1	17.0	100	1B11020	EPA 6020A	02/19/11 03:28	JAY	
Beryllium [7440-41-7] ^	0.940	U	ug/L	1	0.940	1.00	1B11020	EPA 6020A	02/19/11 03:28	JAY	
Cadmium [7440-43-9] ^	1.10	U	ug/L	1	1.10	3.00	1B11020	EPA 6020A	02/19/11 03:28	JAY	
Chromium [7440-47-3] ^	4.50	U	ug/L	1	4.50	10.0	1B11020	EPA 6020A	02/19/11 03:28	JAY	
Cobalt [7440-48-4] ^	2.10	U	ug/L	1	2.10	10.0	1B11020	EPA 6020A	02/19/11 03:28	JAY	
Copper [7440-50-8] ^	2.20	U	ug/L	1	2.20	10.0	1B11020	EPA 6020A	02/19/11 03:28	JAY	
Iron [7439-89-6] ^	18900		ug/L	10	380	500	1B11020	EPA 6020A	02/18/11 23:41	JAY	
Lead [7439-92-1] ^	1.60	U	ug/L	1	1.60	5.00	1B11020	EPA 6020A	02/19/11 03:28	JAY	
Nickel [7440-02-0] ^	2.82	I	ug/L	1	2.30	10.0	1B11020	EPA 6020A	02/19/11 03:28	JAY	
Selenium [7782-49-2] ^	5.30	U	ug/L	1	5.30	10.0	1B11020	EPA 6020A	02/19/11 03:28	JAY	
Silver [7440-22-4] ^	0.290	U	ug/L	1	0.290	1.00	1B11020	EPA 6020A	02/19/11 03:28	JAY	
Sodium [7440-23-5] ^	9.60		mg/L	1	0.320	1.00	1B11020	EPA 6020A	02/19/11 03:28	JAY	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1B11020	EPA 6020A	02/19/11 03:28	JAY	
Vanadium [7440-62-2] ^	1.70	U	ug/L	1	1.70	10.0	1B11020	EPA 6020A	02/19/11 03:28	JAY	
Zinc [7440-66-6] ^	16.0	U	ug/L	1	16.0	50.0	1B11020	EPA 6020A	02/19/11 03:28	JAY	



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Description: MW-10

Lab Sample ID: A100271-04

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 13:12

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	3.8		mg/L	5	0.032	0.10	1B14011	EPA 350.1	02/14/11 11:18	KGonz	
Chloride [16887-00-6] ^	11		mg/L	1	0.24	5.0	1B10004	EPA 300.0	02/11/11 05:15	RSA	
Nitrate as N [14797-55-8] ^	0.17	I	mg/L	1	0.014	1.0	1B10004	EPA 300.0	02/11/11 05:15	RSA	
Total Dissolved Solids [ECL-0156] ^	82		mg/L	1	10	10	1B14038	SM18 2540C	02/15/11 22:35	AH	

Description: MW-10
Matrix: Ground Water
Project: CAMP FIVE LANDFILL

Lab Sample ID: A100271-04
Sampled: 02/09/11 13:12
Sampled By: Eric Mann

Received: 02/10/11 14:30
Work Order: A100271

Field Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Dissolved Oxygen [ECL-0053]	0.10		mg/L	1	0.00	0.00	1B14023	Field	02/09/11 13:12	FLD	
Oxidation/Reduction Potential [ECL-0110]	-33.5	U	mV	1			1B14023	Field	02/09/11 13:12	FLD	
pH [ECL-0062]	6.27		pH Units	1			1B14023	Field	02/09/11 13:12	FLD	
Specific Conductance (EC) [ECL-0146]	169		umhos/cm	1	0	0	1B14023	Field	02/09/11 13:12	FLD	
Temperature [ECL-0151]	21.30		°C	1	0.00	0.00	1B14023	Field	02/09/11 13:12	FLD	
Turbidity [ECL-0177]	0.95		NTU	1	0.00	0.00	1B14023	Field	02/09/11 13:12	FLD	
Water Elevation [ECL-0180]	213.02		Ft	1			1B14023	Field	02/09/11 13:12	FLD	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.



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Description: EQUIPMENT BLANK

Lab Sample ID: A100271-05

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 11:53

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.50	U	ug/L	1	0.50	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
1,1,1-Trichloroethane [71-55-6] ^	0.59	U	ug/L	1	0.59	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.54	U	ug/L	1	0.54	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.63	U	ug/L	1	0.63	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
1,1-Dichloroethane [75-34-3] ^	0.57	U	ug/L	1	0.57	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
1,1-Dichloroethene [75-35-4] ^	0.94	U	ug/L	1	0.94	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
1,2,3-Trichloropropane [96-18-4] ^	0.64	U	ug/L	1	0.64	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.57	U	ug/L	1	0.57	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
1,2-Dichloroethane [107-06-2] ^	0.50	U	ug/L	1	0.50	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
1,2-Dichloropropane [78-87-5] ^	0.80	U	ug/L	1	0.80	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.46	U	ug/L	1	0.46	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
2-Butanone [78-93-3] ^	4.5	U	ug/L	1	4.5	5.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
2-Hexanone [591-78-6] ^	1.4	U	ug/L	1	1.4	5.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
4-Methyl-2-pentanone [108-10-1] ^	2.8	U	ug/L	1	2.8	5.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Acetone [67-64-1] ^	6.8		ug/L	1	1.8	5.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Acrylonitrile [107-13-1] ^	3.2	U	ug/L	1	3.2	5.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Benzene [71-43-2] ^	0.58	U	ug/L	1	0.58	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Bromochloromethane [74-97-5] ^	0.94	U	ug/L	1	0.94	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Bromodichloromethane [75-27-4] ^	0.62	U	ug/L	1	0.62	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Bromoform [75-25-2] ^	0.75	U	ug/L	1	0.75	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Bromomethane [74-83-9] ^	0.95	U	ug/L	1	0.95	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Carbon disulfide [75-15-0] ^	1.9	U	ug/L	1	1.9	5.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Carbon tetrachloride [56-23-5] ^	0.65	U	ug/L	1	0.65	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Chlorobenzene [108-90-7] ^	0.51	U	ug/L	1	0.51	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Chloroethane [75-00-3] ^	0.98	U	ug/L	1	0.98	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Chloroform [67-66-3] ^	0.99	I	ug/L	1	0.54	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Chloromethane [74-87-3] ^	0.82	U	ug/L	1	0.82	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.49	U	ug/L	1	0.49	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.59	U	ug/L	1	0.59	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Dibromochloromethane [124-48-1] ^	0.44	U	ug/L	1	0.44	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Dibromomethane [74-95-3] ^	0.44	U	ug/L	1	0.44	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Ethylbenzene [100-41-4] ^	0.69	U	ug/L	1	0.69	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Iodomethane [74-88-4] ^	0.51	U	ug/L	1	0.51	3.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
m,p-Xylenes [108-38-3/106-42-3] ^	1.3	U	ug/L	1	1.3	2.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Methylene chloride [75-09-2] ^	0.69	U	ug/L	1	0.69	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
o-Xylene [95-47-6] ^	0.53	U	ug/L	1	0.53	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Styrene [100-42-5] ^	0.49	U	ug/L	1	0.49	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Tetrachloroethene [127-18-4] ^	0.76	U	ug/L	1	0.76	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Toluene [108-88-3] ^	0.58	U	ug/L	1	0.58	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.72	U	ug/L	1	0.72	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.64	U	ug/L	1	0.64	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.79	U	ug/L	1	0.79	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Trichloroethene [79-01-6] ^	0.55	U	ug/L	1	0.55	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Trichlorofluoromethane [75-69-4] ^	0.68	U	ug/L	1	0.68	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Vinyl acetate [108-05-4] ^	0.60	U	ug/L	1	0.60	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Vinyl chloride [75-01-4] ^	0.71	U	ug/L	1	0.71	1.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Xylenes (Total) [1330-20-7] ^	1.8	U	ug/L	1	1.8	2.0	1B16021	EPA 8260B	02/16/11 17:22	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	40	1	50.0	80 %	41-142	1B16021	EPA 8260B	02/16/11 17:22	kdw	
Dibromofluoromethane	35	1	50.0	69 %	53-146	1B16021	EPA 8260B	02/16/11 17:22	kdw	

Description: EQUIPMENT BLANK
Matrix: Ground Water
Project: CAMP FIVE LANDFILL

Lab Sample ID: A100271-05
Sampled: 02/09/11 11:53
Sampled By: Eric Mann

Received: 02/10/11 14:30
Work Order: A100271

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
Toluene-d8	44	1	50.0	89 %	41-146		1816021	EPA 8260B	02/16/11 17:22	kdw	



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Description: EQUIPMENT BLANK

Lab Sample ID: A100271-05

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 11:53

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Semivolatile Organic Compounds by GC

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.004	U	ug/L	1	0.004	0.020	1B14015	EPA 8011	02/14/11 20:28	JJB	
1,2-Dibromoethane [106-93-4] ^	0.003	U	ug/L	1	0.003	0.020	1B14015	EPA 8011	02/14/11 20:28	JJB	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane	0.25	1	0.250	101 %	70-130	1B14015	EPA 8011	02/14/11 20:28	JJB	

Description: EQUIPMENT BLANK

Matrix: Ground Water

Project: CAMP FIVE LANDFILL

Lab Sample ID: A100271-05

Sampled: 02/09/11 11:53

Sampled By: Eric Mann

Received: 02/10/11 14:30

Work Order: A100271

Metals by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0110	U	ug/L	1	0.0110	0.200	1B11025	EPA 7470A	02/17/11 09:13	JAY	



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Description: EQUIPMENT BLANK

Lab Sample ID: A100271-05

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 11:53

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Eric Mann

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.950	U	ug/L	1	0.950	20.0	1B11020	EPA 6020A	02/18/11 23:06	JAY	
Arsenic [7440-38-2] ^	4.10	U	ug/L	1	4.10	10.0	1B11020	EPA 6020A	02/18/11 23:06	JAY	
Barium [7440-39-3] ^	17.0	U	ug/L	1	17.0	100	1B11020	EPA 6020A	02/18/11 23:06	JAY	
Beryllium [7440-41-7] ^	0.940	U	ug/L	1	0.940	1.00	1B11020	EPA 6020A	02/18/11 23:06	JAY	
Cadmium [7440-43-9] ^	1.10	U	ug/L	1	1.10	3.00	1B11020	EPA 6020A	02/18/11 23:06	JAY	
Chromium [7440-47-3] ^	4.50	U	ug/L	1	4.50	10.0	1B11020	EPA 6020A	02/18/11 23:06	JAY	
Cobalt [7440-48-4] ^	2.10	U	ug/L	1	2.10	10.0	1B11020	EPA 6020A	02/18/11 23:06	JAY	
Copper [7440-50-8] ^	2.20	U	ug/L	1	2.20	10.0	1B11020	EPA 6020A	02/18/11 23:06	JAY	
Iron [7439-89-6] ^	38.0	U	ug/L	1	38.0	50.0	1B11020	EPA 6020A	02/18/11 23:06	JAY	
Lead [7439-92-1] ^	1.60	U	ug/L	1	1.60	5.00	1B11020	EPA 6020A	02/18/11 23:06	JAY	
Nickel [7440-02-0] ^	2.30	U	ug/L	1	2.30	10.0	1B11020	EPA 6020A	02/18/11 23:06	JAY	
Selenium [7782-49-2] ^	5.30	U	ug/L	1	5.30	10.0	1B11020	EPA 6020A	02/18/11 23:06	JAY	
Silver [7440-22-4] ^	0.290	U	ug/L	1	0.290	1.00	1B11020	EPA 6020A	02/18/11 23:06	JAY	
Sodium [7440-23-5] ^	0.320	U	mg/L	1	0.320	1.00	1B11020	EPA 6020A	02/18/11 23:06	JAY	
Thallium [7440-28-0] ^	0.410	U	ug/L	1	0.410	1.00	1B11020	EPA 6020A	02/18/11 23:06	JAY	
Vanadium [7440-62-2] ^	1.70	U	ug/L	1	1.70	10.0	1B11020	EPA 6020A	02/18/11 23:06	JAY	
Zinc [7440-66-6] ^	16.0	U	ug/L	1	16.0	50.0	1B11020	EPA 6020A	02/18/11 23:06	JAY	

Description: EQUIPMENT BLANK
Matrix: Ground Water
Project: CAMP FIVE LANDFILL

Lab Sample ID: A100271-05
Sampled: 02/09/11 11:53
Sampled By: Eric Mann

Received: 02/10/11 14:30
Work Order: A100271

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	0.0065	U	mg/L	1	0.0065	0.020	1B14011	EPA 350.1	02/14/11 11:13	KGonz	
Chloride [16887-00-6] ^	1.7	I	mg/L	1	0.24	5.0	1B10004	EPA 300.0	02/11/11 04:39	RSA	
Nitrate as N [14797-55-8] ^	0.12	I	mg/L	1	0.014	1.0	1B10004	EPA 300.0	02/11/11 04:39	RSA	
Total Dissolved Solids [ECL-0156] ^	10	U	mg/L	1	10	10	1B14038	SM18 2540C	02/15/11 22:35	AH	



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Description: Trip Blank

Lab Sample ID: A100271-06

Received: 02/10/11 14:30

Matrix: Ground Water

Sampled: 02/09/11 00:00

Work Order: A100271

Project: CAMP FIVE LANDFILL

Sampled By: Enco

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.50	U	ug/L	1	0.50	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
1,1,1-Trichloroethane [71-55-6] ^	0.59	U	ug/L	1	0.59	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.54	U	ug/L	1	0.54	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
1,1,2-Trichloroethane [79-00-5] ^	0.63	U	ug/L	1	0.63	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
1,1-Dichloroethane [75-34-3] ^	0.57	U	ug/L	1	0.57	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
1,1-Dichloroethene [75-35-4] ^	0.94	U	ug/L	1	0.94	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
1,2,3-Trichloropropane [96-18-4] ^	0.64	U	ug/L	1	0.64	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
1,2-Dichlorobenzene [95-50-1] ^	0.57	U	ug/L	1	0.57	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
1,2-Dichloroethane [107-06-2] ^	0.50	U	ug/L	1	0.50	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
1,2-Dichloropropane [78-87-5] ^	0.80	U	ug/L	1	0.80	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
1,4-Dichlorobenzene [106-46-7] ^	0.46	U	ug/L	1	0.46	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
2-Butanone [78-93-3] ^	4.5	U	ug/L	1	4.5	5.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
2-Hexanone [591-78-6] ^	1.4	U	ug/L	1	1.4	5.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
4-Methyl-2-pentanone [108-10-1] ^	2.8	U	ug/L	1	2.8	5.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Acetone [67-64-1] ^	1.8	U	ug/L	1	1.8	5.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Acrylonitrile [107-13-1] ^	3.2	U	ug/L	1	3.2	5.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Benzene [71-43-2] ^	0.58	U	ug/L	1	0.58	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Bromochloromethane [74-97-5] ^	0.94	U	ug/L	1	0.94	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Bromodichloromethane [75-27-4] ^	0.62	U	ug/L	1	0.62	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Bromoform [75-25-2] ^	0.75	U	ug/L	1	0.75	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Bromomethane [74-83-9] ^	0.95	U	ug/L	1	0.95	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Carbon disulfide [75-15-0] ^	1.9	U	ug/L	1	1.9	5.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Carbon tetrachloride [56-23-5] ^	0.65	U	ug/L	1	0.65	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Chlorobenzene [108-90-7] ^	0.51	U	ug/L	1	0.51	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Chloroethane [75-00-3] ^	0.98	U	ug/L	1	0.98	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Chloroform [67-66-3] ^	0.54	U	ug/L	1	0.54	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Chloromethane [74-87-3] ^	0.82	U	ug/L	1	0.82	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
cis-1,2-Dichloroethene [156-59-2] ^	0.49	U	ug/L	1	0.49	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
cis-1,3-Dichloropropene [10061-01-5] ^	0.59	U	ug/L	1	0.59	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Dibromochloromethane [124-48-1] ^	0.44	U	ug/L	1	0.44	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Dibromomethane [74-95-3] ^	0.44	U	ug/L	1	0.44	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Ethylbenzene [100-41-4] ^	0.69	U	ug/L	1	0.69	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Iodomethane [74-88-4] ^	0.51	U	ug/L	1	0.51	3.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
m,p-Xylenes [108-38-3/106-42-3] ^	1.3	U	ug/L	1	1.3	2.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Methylene chloride [75-09-2] ^	0.69	U	ug/L	1	0.69	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
o-Xylene [95-47-6] ^	0.53	U	ug/L	1	0.53	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Styrene [100-42-5] ^	0.49	U	ug/L	1	0.49	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Tetrachloroethene [127-18-4] ^	0.76	U	ug/L	1	0.76	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Toluene [108-88-3] ^	0.58	U	ug/L	1	0.58	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
trans-1,2-Dichloroethene [156-60-5] ^	0.72	U	ug/L	1	0.72	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
trans-1,3-Dichloropropene [10061-02-6] ^	0.64	U	ug/L	1	0.64	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.79	U	ug/L	1	0.79	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Trichloroethene [79-01-6] ^	0.55	U	ug/L	1	0.55	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Trichlorofluoromethane [75-69-4] ^	0.68	U	ug/L	1	0.68	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Vinyl acetate [108-05-4] ^	0.60	U	ug/L	1	0.60	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Vinyl chloride [75-01-4] ^	0.71	U	ug/L	1	0.71	1.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Xylenes (Total) [1330-20-7] ^	1.8	U	ug/L	1	1.8	2.0	1B16021	EPA 8260B	02/16/11 17:52	kdw	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	44	1	50.0	88 %	41-142	1B16021	EPA 8260B	02/16/11 17:52	kdw	
Dibromofluoromethane	40	1	50.0	79 %	53-146	1B16021	EPA 8260B	02/16/11 17:52	kdw	



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Description: Trip Blank
Matrix: Ground Water
Project: CAMP FIVE LANDFILL

Lab Sample ID: A100271-06
Sampled: 02/09/11 00:00
Sampled By: Enco

Received: 02/10/11 14:30
Work Order: A100271

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

<u>Analyte [CAS Number]</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Batch</u>	<u>Method</u>	<u>Analyzed</u>	<u>By</u>	<u>Notes</u>
<i>Surrogates</i>	<i>Results</i>	<i>DF</i>	<i>Spike Lvl</i>	<i>% Rec</i>	<i>% Rec Limits</i>		<i>Batch</i>	<i>Method</i>	<i>Analyzed</i>	<i>By</i>	<i>Notes</i>
Toluene-d8	49	1	50.0	99 %	41-146		1B16021	EPA 8260B	02/16/11 17:52	kdw	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.



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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1B15017 - EPA 5030B_MS

Blank (1B15017-BLK1)

Prepared: 02/15/2011 13:00 Analyzed: 02/15/2011 14:57

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.50	U	1.0	ug/L							
1,1,1-Trichloroethane	0.59	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							
1,1,2-Trichloroethane	0.63	U	1.0	ug/L							
1,1-Dichloroethane	0.57	U	1.0	ug/L							
1,1-Dichloroethene	0.94	U	1.0	ug/L							
1,2,3-Trichloropropane	0.64	U	1.0	ug/L							
1,2-Dichlorobenzene	0.57	U	1.0	ug/L							
1,2-Dichloroethane	0.50	U	1.0	ug/L							
1,2-Dichloropropane	0.80	U	1.0	ug/L							
1,4-Dichlorobenzene	0.46	U	1.0	ug/L							
2-Butanone	4.5	U	5.0	ug/L							
2-Hexanone	1.4	U	5.0	ug/L							
4-Methyl-2-pentanone	2.8	U	5.0	ug/L							
Acetone	1.8	U	5.0	ug/L							
Acrylonitrile	3.2	U	5.0	ug/L							
Benzene	0.58	U	1.0	ug/L							
Bromochloromethane	0.94	U	1.0	ug/L							
Bromodichloromethane	0.62	U	1.0	ug/L							
Bromoform	0.75	U	1.0	ug/L							
Bromomethane	0.95	U	1.0	ug/L							
Carbon disulfide	1.9	U	5.0	ug/L							
Carbon tetrachloride	0.65	U	1.0	ug/L							
Chlorobenzene	0.51	U	1.0	ug/L							
Chloroethane	0.98	U	1.0	ug/L							
Chloroform	0.54	U	1.0	ug/L							
Chloromethane	0.82	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.49	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							
Dibromochloromethane	0.44	U	1.0	ug/L							
Dibromomethane	0.44	U	1.0	ug/L							
Ethylbenzene	0.69	U	1.0	ug/L							
Iodomethane	0.51	U	3.0	ug/L							
m,p-Xylenes	1.3	U	2.0	ug/L							
Methylene chloride	0.69	U	1.0	ug/L							
o-Xylene	0.53	U	1.0	ug/L							
Styrene	0.49	U	1.0	ug/L							
Tetrachloroethene	0.76	U	1.0	ug/L							
Toluene	0.58	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.72	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.64	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.79	U	1.0	ug/L							
Trichloroethene	0.55	U	1.0	ug/L							
Trichlorofluoromethane	0.68	U	1.0	ug/L							
Vinyl acetate	0.60	U	1.0	ug/L							
Vinyl chloride	0.71	U	1.0	ug/L							
Xylenes (Total)	1.8	U	2.0	ug/L							
Surrogate: 4-Bromofluorobenzene	39			ug/L	50.0		79	41-142			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1B15017 - EPA 5030B_MS

Blank (1B15017-BLK1) Continued

Prepared: 02/15/2011 13:00 Analyzed: 02/15/2011 14:57

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	33			ug/L	50.0		66	53-146			
Surrogate: Toluene-d8	42			ug/L	50.0		83	41-146			

LCS (1B15017-BS1)

Prepared: 02/15/2011 13:00 Analyzed: 02/15/2011 14:28

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0		127	65-144			
Benzene	23		1.0	ug/L	20.0		115	73-138			
Chlorobenzene	22		1.0	ug/L	20.0		112	77-127			
Toluene	23		1.0	ug/L	20.0		113	71-123			
Trichloroethene	24		1.0	ug/L	20.0		118	83-133			
Surrogate: 4-Bromofluorobenzene	39			ug/L	50.0		79	41-142			
Surrogate: Dibromofluoromethane	31			ug/L	50.0		62	53-146			
Surrogate: Toluene-d8	42			ug/L	50.0		84	41-146			

Matrix Spike (1B15017-MS1)

Prepared: 02/15/2011 14:41 Analyzed: 02/15/2011 17:26

Source: A100870-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	28		1.0	ug/L	20.0	0.94 U	139	65-144			
Benzene	22		1.0	ug/L	20.0	0.58 U	112	73-138			
Chlorobenzene	22		1.0	ug/L	20.0	0.51 U	110	77-127			
Toluene	22		1.0	ug/L	20.0	0.58 U	109	71-123			
Trichloroethene	22		1.0	ug/L	20.0	0.55 U	109	83-133			
Surrogate: 4-Bromofluorobenzene	41			ug/L	50.0		81	41-142			
Surrogate: Dibromofluoromethane	35			ug/L	50.0		70	53-146			
Surrogate: Toluene-d8	42			ug/L	50.0		85	41-146			

Matrix Spike Dup (1B15017-MSD1)

Prepared: 02/15/2011 14:41 Analyzed: 02/15/2011 17:56

Source: A100870-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	27		1.0	ug/L	20.0	0.94 U	136	65-144	2	16	
Benzene	23		1.0	ug/L	20.0	0.58 U	116	73-138	3	14	
Chlorobenzene	22		1.0	ug/L	20.0	0.51 U	108	77-127	2	13	
Toluene	21		1.0	ug/L	20.0	0.58 U	105	71-123	4	16	
Trichloroethene	22		1.0	ug/L	20.0	0.55 U	110	83-133	0.8	20	
Surrogate: 4-Bromofluorobenzene	38			ug/L	50.0		76	41-142			
Surrogate: Dibromofluoromethane	34			ug/L	50.0		67	53-146			
Surrogate: Toluene-d8	40			ug/L	50.0		81	41-146			

Batch 1B16021 - EPA 5030B_MS

Blank (1B16021-BLK1)

Prepared: 02/16/2011 11:39 Analyzed: 02/16/2011 12:55

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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QUALITY CONTROL**Volatile Organic Compounds by GCMS - Quality Control**

Batch 1B16021 - EPA 5030B_MS

Blank (1B16021-BLK1) Continued

Prepared: 02/16/2011 11:39 Analyzed: 02/16/2011 12:55

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.50	U	1.0	ug/L							
1,1,1-Trichloroethane	0.59	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.54	U	1.0	ug/L							
1,1,2-Trichloroethane	0.63	U	1.0	ug/L							
1,1-Dichloroethane	0.57	U	1.0	ug/L							
1,1-Dichloroethene	0.94	U	1.0	ug/L							
1,2,3-Trichloropropane	0.64	U	1.0	ug/L							
1,2-Dichlorobenzene	0.57	U	1.0	ug/L							
1,2-Dichloroethane	0.50	U	1.0	ug/L							
1,2-Dichloropropane	0.80	U	1.0	ug/L							
1,4-Dichlorobenzene	0.46	U	1.0	ug/L							
2-Butanone	4.5	U	5.0	ug/L							
2-Hexanone	1.4	U	5.0	ug/L							
4-Methyl-2-pentanone	2.8	U	5.0	ug/L							
Acetone	1.8	U	5.0	ug/L							
Acrylonitrile	3.2	U	5.0	ug/L							
Benzene	0.58	U	1.0	ug/L							
Bromochloromethane	0.94	U	1.0	ug/L							
Bromodichloromethane	0.62	U	1.0	ug/L							
Bromoform	0.75	U	1.0	ug/L							
Bromomethane	0.95	U	1.0	ug/L							
Carbon disulfide	1.9	U	5.0	ug/L							
Carbon tetrachloride	0.65	U	1.0	ug/L							
Chlorobenzene	0.51	U	1.0	ug/L							
Chloroethane	0.98	U	1.0	ug/L							
Chloroform	0.54	U	1.0	ug/L							
Chloromethane	0.82	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.49	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.59	U	1.0	ug/L							
Dibromochloromethane	0.44	U	1.0	ug/L							
Dibromomethane	0.44	U	1.0	ug/L							
Ethylbenzene	0.69	U	1.0	ug/L							
Iodomethane	0.51	U	3.0	ug/L							
m,p-Xylenes	1.3	U	2.0	ug/L							
Methylene chloride	0.69	U	1.0	ug/L							
o-Xylene	0.53	U	1.0	ug/L							
Styrene	0.49	U	1.0	ug/L							
Tetrachloroethene	0.76	U	1.0	ug/L							
Toluene	0.58	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.72	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.64	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.79	U	1.0	ug/L							
Trichloroethene	0.55	U	1.0	ug/L							
Trichlorofluoromethane	0.68	U	1.0	ug/L							
Vinyl acetate	0.60	U	1.0	ug/L							
Vinyl chloride	0.71	U	1.0	ug/L							
Xylenes (Total)	1.8	U	2.0	ug/L							
Surrogate: 4-Bromofluorobenzene	43			ug/L	50.0		85	41-142			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1B16021 - EPA 5030B_MS

Blank (1B16021-BLK1) Continued

Prepared: 02/16/2011 11:39 Analyzed: 02/16/2011 12:55

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	35			ug/L	50.0		70	53-146			
Surrogate: Toluene-d8	44			ug/L	50.0		88	41-146			

LCS (1B16021-BS1)

Prepared: 02/16/2011 11:39 Analyzed: 02/16/2011 12:25

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	25		1.0	ug/L	20.0		124	65-144			
Benzene	21		1.0	ug/L	20.0		106	73-138			
Chlorobenzene	20		1.0	ug/L	20.0		99	77-127			
Toluene	21		1.0	ug/L	20.0		103	71-123			
Trichloroethene	21		1.0	ug/L	20.0		103	83-133			
Surrogate: 4-Bromofluorobenzene	38			ug/L	50.0		76	41-142			
Surrogate: Dibromofluoromethane	30			ug/L	50.0		61	53-146			
Surrogate: Toluene-d8	41			ug/L	50.0		82	41-146			

Matrix Spike (1B16021-MS1)

Prepared: 02/16/2011 11:39 Analyzed: 02/16/2011 13:25

Source: A100664-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	29		1.0	ug/L	20.0	0.94 U	145	65-144			QM-07
Benzene	23		1.0	ug/L	20.0	0.58 U	115	73-138			
Chlorobenzene	22		1.0	ug/L	20.0	0.51 U	112	77-127			
Toluene	33		1.0	ug/L	20.0	12	106	71-123			
Trichloroethene	23		1.0	ug/L	20.0	0.55 U	115	83-133			
Surrogate: 4-Bromofluorobenzene	38			ug/L	50.0		76	41-142			
Surrogate: Dibromofluoromethane	35			ug/L	50.0		69	53-146			
Surrogate: Toluene-d8	41			ug/L	50.0		81	41-146			

Matrix Spike Dup (1B16021-MSD1)

Prepared: 02/16/2011 11:39 Analyzed: 02/16/2011 13:55

Source: A100664-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	28		1.0	ug/L	20.0	0.94 U	142	65-144	2	16	
Benzene	24		1.0	ug/L	20.0	0.58 U	119	73-138	3	14	
Chlorobenzene	24		1.0	ug/L	20.0	0.51 U	118	77-127	5	13	
Toluene	35		1.0	ug/L	20.0	12	114	71-123	5	16	
Trichloroethene	24		1.0	ug/L	20.0	0.55 U	119	83-133	4	20	
Surrogate: 4-Bromofluorobenzene	43			ug/L	50.0		87	41-142			
Surrogate: Dibromofluoromethane	36			ug/L	50.0		73	53-146			
Surrogate: Toluene-d8	45			ug/L	50.0		90	41-146			

Semivolatile Organic Compounds by GC - Quality Control

Batch 1B14015 - EPA 504/8011

Blank (1B14015-BLK1)

Prepared: 02/14/2011 09:02 Analyzed: 02/14/2011 13:21

QUALITY CONTROL

Semivolatile Organic Compounds by GC - Quality Control

Batch 1B14015 - EPA 504/8011

Blank (1B14015-BLK1) Continued

Prepared: 02/14/2011 09:02 Analyzed: 02/14/2011 13:21

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.004	U	0.020	ug/L							
1,2-Dibromoethane	0.003	U	0.020	ug/L							
Surrogate: 1,1,1,2-Tetrachloroethane	0.27			ug/L	0.250		108	70-130			

LCS (1B14015-BS1)

Prepared: 02/14/2011 09:02 Analyzed: 02/14/2011 13:35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.23		0.020	ug/L	0.250		91	61-139			
1,2-Dibromoethane	0.22		0.020	ug/L	0.250		88	65-133			
Surrogate: 1,1,1,2-Tetrachloroethane	0.27			ug/L	0.250		109	70-130			

Matrix Spike (1B14015-MS1)

Prepared: 02/14/2011 09:02 Analyzed: 02/14/2011 13:50

Source: A100811-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.24		0.020	ug/L	0.250	0.004 U	95	61-139			
1,2-Dibromoethane	0.23		0.020	ug/L	0.250	0.003 U	92	65-133			
Surrogate: 1,1,1,2-Tetrachloroethane	0.27			ug/L	0.250		109	70-130			

Matrix Spike Dup (1B14015-MSD1)

Prepared: 02/14/2011 09:02 Analyzed: 02/14/2011 14:04

Source: A100811-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dibromo-3-chloropropane	0.23		0.020	ug/L	0.250	0.004 U	93	61-139	1	12	
1,2-Dibromoethane	0.22		0.020	ug/L	0.250	0.003 U	88	65-133	4	17	
Surrogate: 1,1,1,2-Tetrachloroethane	0.27			ug/L	0.250		110	70-130			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1B11025 - EPA 7470A

Blank (1B11025-BLK1)

Prepared: 02/16/2011 10:17 Analyzed: 02/17/2011 08:36

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0110	U	0.200	ug/L							

LCS (1B11025-BS1)

Prepared: 02/16/2011 10:17 Analyzed: 02/17/2011 08:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.27		0.200	ug/L	5.00		105	85-115			

Matrix Spike (1B11025-MS1)

Prepared: 02/16/2011 10:17 Analyzed: 02/17/2011 08:51

Source: A100271-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.67		0.200	ug/L	5.00	0.0110 U	113	85-115			QM-07

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1B11025 - EPA 7470A

Matrix Spike Dup (1B11025-MSD1)

Prepared: 02/16/2011 10:17 Analyzed: 02/17/2011 08:55

Source: A100271-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.79		0.200	ug/L	5.00	0.0110 U	116	85-115	2	10	QM-07

Post Spike (1B11025-PS1)

Prepared: 02/17/2011 06:00 Analyzed: 02/17/2011 08:58

Source: A100271-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.57		0.200	ug/L	5.61	-0.00753	100	0-200			

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1B11020 - EPA 3005A

Blank (1B11020-BLK1)

Prepared: 02/14/2011 10:51 Analyzed: 02/19/2011 07:33

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.950	U	20.0	ug/L							
Arsenic	4.10	U	10.0	ug/L							
Barium	17.0	U	100	ug/L							
Beryllium	0.940	U	1.00	ug/L							
Cadmium	1.10	U	3.00	ug/L							
Chromium	4.50	U	10.0	ug/L							
Cobalt	2.10	U	10.0	ug/L							
Copper	2.20	U	10.0	ug/L							
Iron	38.0	U	50.0	ug/L							
Lead	1.60	U	5.00	ug/L							
Nickel	2.30	U	10.0	ug/L							
Selenium	5.30	U	10.0	ug/L							
Silver	0.290	U	1.00	ug/L							
Sodium	0.320	U	1.00	mg/L							
Thallium	0.410	U	1.00	ug/L							
Vanadium	1.70	U	10.0	ug/L							
Zinc	16.0	U	50.0	ug/L							

Blank (1B11020-BLK2)

Prepared: 02/14/2011 10:51 Analyzed: 02/19/2011 01:27

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.0950	U	2.00	ug/L							
Arsenic	0.410	U	1.00	ug/L							
Barium	1.70	U	10.0	ug/L							
Beryllium	0.0940	U	0.100	ug/L							
Cadmium	0.110	U	0.300	ug/L							
Chromium	0.450	U	1.00	ug/L							
Cobalt	0.210	U	1.00	ug/L							
Copper	0.220	U	1.00	ug/L							
Iron	3.80	U	5.00	ug/L							
Lead	0.160	U	0.500	ug/L							

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1B11020 - EPA 3005A

Blank (1B11020-BLK2) Continued

Prepared: 02/14/2011 10:51 Analyzed: 02/19/2011 01:27

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nickel	0.230	U	1.00	ug/L							
Selenium	0.530	U	1.00	ug/L							
Silver	0.0290	U	0.100	ug/L							
Sodium	0.0320	U	0.100	mg/L							
Thallium	0.0410	U	0.100	ug/L							
Vanadium	0.170	U	1.00	ug/L							
Zinc	1.60	U	5.00	ug/L							

LCS (1B11020-BS1)

Prepared: 02/14/2011 10:51 Analyzed: 02/19/2011 01:34

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	46.1		20.0	ug/L	50.0		92	80-120			
Arsenic	482		10.0	ug/L	500		96	80-120			
Barium	484		100	ug/L	500		97	80-120			
Beryllium	49.1		1.00	ug/L	50.0		98	80-120			
Cadmium	47.1		3.00	ug/L	50.0		94	80-120			
Chromium	498		10.0	ug/L	500		100	80-120			
Cobalt	496		10.0	ug/L	500		99	80-120			
Copper	488		10.0	ug/L	500		98	80-120			
Iron	977		50.0	ug/L	1000		98	80-120			
Lead	492		5.00	ug/L	500		98	80-120			
Nickel	499		10.0	ug/L	500		100	80-120			
Selenium	515		10.0	ug/L	500		103	80-120			
Silver	47.2		1.00	ug/L	50.0		94	80-120			
Sodium	24.5		1.00	mg/L	25.0		98	80-120			
Thallium	47.3		1.00	ug/L	50.0		95	80-120			
Vanadium	495		10.0	ug/L	500		99	80-120			
Zinc	488		50.0	ug/L	500		98	80-120			

Matrix Spike (1B11020-MS1)

Prepared: 02/14/2011 10:51 Analyzed: 02/19/2011 01:51

Source: A100271-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	46.8		20.0	ug/L	50.0	0.950 U	94	80-120			
Arsenic	480		10.0	ug/L	500	4.10 U	96	80-120			
Barium	499		100	ug/L	500	17.0 U	100	80-120			
Beryllium	47.0		1.00	ug/L	50.0	0.940 U	94	80-120			
Cadmium	47.5		3.00	ug/L	50.0	1.10 U	95	80-120			
Chromium	506		10.0	ug/L	500	4.50 U	101	80-120			
Cobalt	495		10.0	ug/L	500	2.10 U	99	80-120			
Copper	490		10.0	ug/L	500	2.20 U	98	80-120			
Iron	982		50.0	ug/L	1000	38.0 U	98	80-120			
Lead	496		5.00	ug/L	500	1.60 U	99	80-120			
Nickel	497		10.0	ug/L	500	2.30 U	99	80-120			
Selenium	513		10.0	ug/L	500	5.30 U	103	80-120			
Silver	47.4		1.00	ug/L	50.0	0.290 U	95	80-120			
Sodium	26.5		1.00	mg/L	25.0	1.43	100	80-120			
Thallium	47.5		1.00	ug/L	50.0	0.410 U	95	80-120			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1B11020 - EPA 3005A

Matrix Spike (1B11020-MS1) Continued

Prepared: 02/14/2011 10:51 Analyzed: 02/19/2011 01:51

Source: A100271-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vanadium	495		10.0	ug/L	500	1.70 U	99	80-120			
Zinc	496		50.0	ug/L	500	16.6	96	80-120			

Matrix Spike Dup (1B11020-MSD1)

Prepared: 02/14/2011 10:51 Analyzed: 02/19/2011 01:59

Source: A100271-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	47.0		20.0	ug/L	50.0	0.950 U	94	80-120	0.3	20	
Arsenic	490		10.0	ug/L	500	4.10 U	98	80-120	2	20	
Barium	505		100	ug/L	500	17.0 U	101	80-120	1	20	
Beryllium	48.7		1.00	ug/L	50.0	0.940 U	97	80-120	4	20	
Cadmium	47.3		3.00	ug/L	50.0	1.10 U	95	80-120	0.4	20	
Chromium	503		10.0	ug/L	500	4.50 U	101	80-120	0.6	20	
Cobalt	500		10.0	ug/L	500	2.10 U	100	80-120	1	20	
Copper	499		10.0	ug/L	500	2.20 U	100	80-120	2	20	
Iron	1030		50.0	ug/L	1000	38.0 U	103	80-120	5	20	
Lead	488		5.00	ug/L	500	1.60 U	98	80-120	1	20	
Nickel	498		10.0	ug/L	500	2.30 U	100	80-120	0.2	20	
Selenium	511		10.0	ug/L	500	5.30 U	102	80-120	0.5	20	
Silver	47.1		1.00	ug/L	50.0	0.290 U	94	80-120	0.5	20	
Sodium	26.3		1.00	mg/L	25.0	1.43	99	80-120	0.9	20	
Thallium	47.1		1.00	ug/L	50.0	0.410 U	94	80-120	0.9	20	
Vanadium	498		10.0	ug/L	500	1.70 U	100	80-120	0.4	20	
Zinc	496		50.0	ug/L	500	16.6	96	80-120	0.2	20	

Post Spike (1B11020-PS1)

Prepared: 02/18/2011 12:30 Analyzed: 02/19/2011 02:08

Source: A100271-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	4.67		2.00	ug/L	4.90	0.00647	95	80-120			
Arsenic	47.7		1.00	ug/L	49.0	0.0761	97	80-120			
Barium	49.1		10.0	ug/L	49.0	1.14	98	80-120			
Beryllium	4.49		0.100	ug/L	4.90	0.0234	91	80-120			
Cadmium	4.63		0.300	ug/L	4.90	-0.0625	96	80-120			
Chromium	49.3		1.00	ug/L	49.0	0.183	100	80-120			
Cobalt	48.7		1.00	ug/L	49.0	0.0935	99	80-120			
Copper	48.1		1.00	ug/L	49.0	0.163	98	80-120			
Iron	100		5.00	ug/L	98.0	2.07	100	80-120			
Lead	48.1		0.500	ug/L	49.0	0.107	98	80-120			
Nickel	48.0		1.00	ug/L	49.0	0.153	98	80-120			
Selenium	51.5		1.00	ug/L	49.0	0.0181	105	80-120			
Silver	4.65		0.100	ug/L	4.90	0.0254	94	80-120			
Sodium	2620		100	ug/L	2450	140	101	80-120			
Thallium	4.53		0.100	ug/L	4.90	0.0132	92	80-120			
Vanadium	48.9		1.00	ug/L	49.0	-0.0337	100	80-120			
Zinc	49.6		5.00	ug/L	49.0	1.63	98	80-120			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1B11020 - EPA 3005A

Batch AA14187 - 1B11020

Serial Dilution (AA14187-SRD1)

Prepared: 02/17/2011 09:31 Analyzed: 02/18/2011 16:51

Source: A100848-01RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sodium	11.5		5.00	mg/L							

Serial Dilution (AA14187-SRD2)

Prepared: 02/14/2011 10:18 Analyzed: 02/18/2011 20:23

Source: A100799-01RE1

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sodium	4.01	I	5.00	mg/L							

Serial Dilution (AA14187-SRD3)

Prepared: 02/14/2011 10:51 Analyzed: 02/19/2011 02:16

Source: A100271-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sodium	1.60	U	5.00	mg/L		1.43					

Classical Chemistry Parameters - Quality Control

Batch 1B10004 - NO PREP

Blank (1B10004-BLK1)

Prepared: 02/10/2011 17:17 Analyzed: 02/10/2011 21:50

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	0.24	U	5.0	mg/L							
Nitrate as N	0.014	U	1.0	mg/L							

LCS (1B10004-BS1)

Prepared: 02/10/2011 17:17 Analyzed: 02/10/2011 22:08

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	50		5.0	mg/L	50.0		99	90-110			
Nitrate as N	10		1.0	mg/L	10.0		100	90-110			

Matrix Spike (1B10004-MS1)

Prepared: 02/10/2011 17:17 Analyzed: 02/10/2011 22:25

Source: A100799-07

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	57		5.0	mg/L	50.0	7.8	98	90-110			
Nitrate as N	9.2		1.0	mg/L	10.0	0.12	91	90-110			

Matrix Spike Dup (1B10004-MSD1)

Prepared: 02/10/2011 17:17 Analyzed: 02/10/2011 22:43

Source: A100799-07

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	59		5.0	mg/L	50.0	7.8	103	90-110	4	10	
Nitrate as N	9.8		1.0	mg/L	10.0	0.12	96	90-110	5	10	

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1B14011 - NO PREP

Blank (1B14011-BLK1)

Prepared: 02/14/2011 08:43 Analyzed: 02/14/2011 11:01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.0065	U	0.020	mg/L							

LCS (1B14011-BS1)

Prepared: 02/14/2011 08:43 Analyzed: 02/14/2011 11:04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.98		0.020	mg/L	1.00		98	90-110			

Matrix Spike (1B14011-MS1)

Prepared: 02/14/2011 08:43 Analyzed: 02/14/2011 11:06

Source: A100271-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.1		0.020	mg/L	1.00	0.0065 U	106	90-110			

Matrix Spike Dup (1B14011-MSD1)

Prepared: 02/14/2011 08:43 Analyzed: 02/14/2011 11:07

Source: A100271-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.0		0.020	mg/L	1.00	0.0065 U	103	90-110	3	10	

Batch 1B14038 - NO PREP

Blank (1B14038-BLK1)

Prepared: 02/14/2011 16:35 Analyzed: 02/15/2011 22:35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							

LCS (1B14038-BS1)

Prepared: 02/14/2011 16:35 Analyzed: 02/15/2011 22:35

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	300		10	mg/L	300		101	88-111			

Duplicate (1B14038-DUP1)

Prepared: 02/14/2011 16:35 Analyzed: 02/15/2011 22:35

Source: A006070-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	670		10	mg/L		660			0.9	10	

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.



4310 Executive Park Court, Suite 200

193-A Woodlands Industrial Ct.

July 1990 51 33915-6269

Case NC 27511

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Sample Kit Prepared By <u>SP</u>	Date/Time <u>1/25/11 1600</u>	Received By <u>hnd</u>	Date/Time <u>1/25/11 1600</u>	Received By <u>1/2</u>	Date/Time <u>2/7/11 1615</u>
Consent/Special Reporting Requirements		Hold/Noted By <u>1/2</u>	Date/Time <u>2/9/11 1715</u>	Received By <u>Flouren</u>	Date/Time <u>2/10/11 1630</u>
Cooler # & Temp on Receipt <u>50-11 0°C</u>				Condition Upon Receipt <u>✓</u> Acceptable <u> </u> Unacceptable	

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Ocean (column in comments)
Preservation: 1-As 11-Cl 16-NO₃ 5-H₂SO₄ 10-NaOH O-Ozone (column in comments)

Note: All samples were run on HPLC (see also in accordance with the names and numbers listed on the outside of the bag, grades and column dimensions as follows:

Serial Number: 458174 -- Series: Event (Rain Fall)

Camp V

Date	Events	Rain
23-Nov-10	1	0.01
24-Nov-10	0	0
25-Nov-10	1	0.01
26-Nov-10	30	0.3
27-Nov-10	0	0
28-Nov-10	1	0.01
29-Nov-10	43	0.43
30-Nov-10	143	1.43
1-Dec-10	1	0.01
2-Dec-10	0	0
3-Dec-10	0	0
4-Dec-10	0	0
5-Dec-10	1	0.01
6-Dec-10	0	0
7-Dec-10	0	0
8-Dec-10	0	0
9-Dec-10	0	0
10-Dec-10	0	0
11-Dec-10	2	0.02
12-Dec-10	69	0.69
13-Dec-10	0	0
14-Dec-10	0	0
15-Dec-10	0	0
16-Dec-10	0	0
17-Dec-10	2	0.02
18-Dec-10	4	0.04
19-Dec-10	0	0
20-Dec-10	0	0
21-Dec-10	0	0
22-Dec-10	0	0
23-Dec-10	0	0
24-Dec-10	0	0
25-Dec-10	93	0.93
26-Dec-10	0	0
27-Dec-10	0	0
28-Dec-10	0	0
29-Dec-10	0	0
30-Dec-10	29	0.29
31-Dec-10	59	0.59
1-Jan-11	79	0.79
2-Jan-11	0	0
3-Jan-11	0	0
4-Jan-11	0	0

5-Jan-11	332	3.32
6-Jan-11	1	0.01
7-Jan-11	0	0
8-Jan-11	0	0
9-Jan-11	4	0.04
10-Jan-11	2	0.02
11-Jan-11	1	0.01
12-Jan-11	0	0
13-Jan-11	0	0
14-Jan-11	0	0
15-Jan-11	0	0
16-Jan-11	0	0
17-Jan-11	0	0
18-Jan-11	166	1.66
19-Jan-11	1	0.01
20-Jan-11	2	0.02
21-Jan-11	7	0.07
22-Jan-11	0	0
23-Jan-11	0	0
24-Jan-11	0	0
25-Jan-11	7	0.07
26-Jan-11	0	0
27-Jan-11	0	0
28-Jan-11	0	0
29-Jan-11	0	0
30-Jan-11	7	0.07
31-Jan-11	41	0.41
1-Feb-11	74	0.74
2-Feb-11	10	0.1
3-Feb-11	18	0.18
4-Feb-11	114	1.14
5-Feb-11	57	0.57
6-Feb-11	2	0.02
7-Feb-11	0	0
8-Feb-11	0	0
9-Feb-11	38	0.38
10-Feb-11	25	0.25
11-Feb-11	0	0
12-Feb-11	0	0
13-Feb-11	0	0
14-Feb-11	0	0
15-Feb-11	0	0
16-Feb-11	2	0.02
17-Feb-11	1	0.01
18-Feb-11	1	0.01
19-Feb-11	0	0
20-Feb-11	0	0

21-Feb-11	0	0
22-Feb-11	0	0
23-Feb-11	0	0
24-Feb-11	4	0.04
25-Feb-11	14	0.14
26-Feb-11	0	0
27-Feb-11	0	0
28-Feb-11	23	0.23
1-Mar-11	0	0
2-Mar-11	0	0
3-Mar-11	0	0
4-Mar-11	0	0
5-Mar-11	153	1.53
6-Mar-11	7	0.07
7-Mar-11	0	0
8-Mar-11	0	0
9-Mar-11	160	1.6
10-Mar-11	0	0
11-Mar-11	0	0
12-Mar-11	0	0
13-Mar-11	0	0
14-Mar-11	0	0
15-Mar-11	0	0
16-Mar-11	0	0
17-Mar-11	0	0
18-Mar-11	0	0
19-Mar-11	0	0
20-Mar-11	0	0
21-Mar-11	1	0.01
22-Mar-11	2	0.02
23-Mar-11	0	0
24-Mar-11	0	0
25-Mar-11	0	0
26-Mar-11	0	0
27-Mar-11	0	0
28-Mar-11	0	0
29-Mar-11	0	0
30-Mar-11	171	1.71
31-Mar-11	0	0
1-Apr-11	0	0
2-Apr-11	0	0
3-Apr-11	0	0
4-Apr-11	208	2.08
5-Apr-11	1	0.01
5-Apr-11	2215	0
6-Apr-11	0	0
7-Apr-11	0	0

8-Apr-11	0	0
9-Apr-11	2	0.02
10-Apr-11	0	0
11-Apr-11	32	0.32
12-Apr-11	0	0
13-Apr-11	0	0
14-Apr-11	0	0
15-Apr-11	0	0
16-Apr-11	96	0.96
17-Apr-11	0	0
18-Apr-11	0	0
19-Apr-11	0	0
20-Apr-11	1	0.01
21-Apr-11	0	0
22-Apr-11	0	0
23-Apr-11	1	0.01
24-Apr-11	1	0.01
25-Apr-11	0	0
26-Apr-11	1	0.01
27-Apr-11	32	0.32
28-Apr-11	0	0
29-Apr-11	0	0
30-Apr-11	0	0
1-May-11	1	0.01
2-May-11	0	0
3-May-11	6	0.06
4-May-11	0	0
5-May-11	0	0
6-May-11	0	0
7-May-11	0	0
8-May-11	0	0
9-May-11	0	0
10-May-11	0	0
11-May-11	0	0
12-May-11	0	0
13-May-11	0	0
14-May-11	0	0
15-May-11	0	0
16-May-11	0	0
17-May-11	0	0
18-May-11	0	0
19-May-11	1	0.01
20-May-11	1	0.01