DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

HDR Engineering, Inc. of the Carolinas

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Eric A. Wright Phone: 704-338-6719

E-mail: eric.wright@hdrinc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Old Salisbury Road landfill	3336 Old Salisbury Road Winston-Salem, NC 27127	34-12	.0500	November 28, 29, 30 and December 1, 2011

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify) _____

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Eric A. Wright — Facility Representative Name (Print)
Project Engineer — Title
704-338-6719 — (Area Code) Telephone Number

Eric A. Wright — Signature
1/25/2012 — Date
Affix NC Licensed Professional Engineer Seal

NORTH CAROLINA PROFESSIONAL SEAL 10027 ENGINEER ERIC ALAN WRIGHT

440 South Church Street Suite 1000 Charlotte NC 28202
Facility Representative Address

F-0116
NC PE Firm License Number (if applicable effective May 1, 2009)

1/25/12

Revised 6/2009

January 25, 2012

Ms. Jaclynne Drummond
NCDENR Environmental Compliance
Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

Re: Fall 2011 Semiannual Groundwater Sampling Analytical Results
Winston-Salem Construction and Demolition (C&D) Landfill (No. 34-12)
Forsyth County, North Carolina
HDR Project No. 00162-175647-018

Dear Ms. Drummond:

HDR Engineering, Inc. of the Carolinas (HDR), on behalf of the Winston-Salem City/County Utility Commission (the City), is hereby submitting the groundwater analytical results for the Fall 2011 monitoring period at the Old Salisbury Road C&D Landfill located in Forsyth County, North Carolina. A complete copy of the field data sheets and laboratory analysis is included on the enclosed CD.

On November 28, 29, 30, and December 1, samples were collected from the following thirteen on-site groundwater detection monitoring wells and four surface water sampling points. All samples were analyzed for the Appendix I volatile organic compounds (VOCs), Appendix I metals, tetrahydrofuran, sulfate, chloride, alkalinity, manganese, mercury, iron, sodium and total dissolved solids. Groundwater monitoring well MW-1R is located hydraulically upgradient of the landfill and is considered as the background well for the site.

MW-1R	MW-2R	MW-3R	MW-4R	MW-5R
MW-7	MW-8	MW-9	MW-10	MW-11
MW-12	MW-13	MW-14		

Upstream surface water (SW-1) and downstream surface water (SW-2) samples were obtained from the adjacent stream to the east. Surface water samples (SW-3 and SW-4) were obtained from drainage channel in the vicinity of MW-2R. SW-3 was located south of the entrance road near MW-2R. SW-4 is located on the north side of the entrance road, downstream of SW-3.

Field measurements of pH, specific conductance, temperature, dissolved oxygen, oxidation-reduction potential and turbidity were recorded prior to sampling.

The historic detections and event summary tables are included at the end of this report. The constituents detected above the Solid waste section limit (SWSL) or 2L groundwater standards for this event are as follows:

- Chromium, iron and manganese were detected in one or more samples above the 2L standards of 10, 300 and 50 µg/L respectively during this event.
- Barium, beryllium, cobalt and zinc were detected in one or more samples above the SWSL but below the 2L standards.

HDR Engineering, Inc. of the Carolinas
440 S Church Street
Suite 1000
Charlotte, NC 28202-1919
Phone: (704) 338-6700
Fax: (704) 338-6760
www.hdrinc.com

- 1,1-Dichlorethene was detected in MW-2R at 38.7 μg/L, which is above the 2L standard of 7 μg/L.
- Benzene was detected in MW-2R at 2 μg/L, which is above the 2L standard of 1 μg/L.
- Tetrachloroethene was detected in MW-2R at 1.8 μg/L, which is above the 2L standard of 0.7 μg/L.
- Methylene chloride was detected in MW-2R and the equipment blank at 3.5 and 3.2 μg/L respectively, both of these detections are between the SWSL of 1 and the 2L standard of 5 μg/L.
- Trichlorofluoromethane was detected in MW-2R at 20.1 μg/L, this is between the SWSL of 1 and the 2L standard of 2000 μg/L.

In total, thirteen VOCs were detected in groundwater samples during this event. Three VOCs were detected above the 2L standard, all in MW-2R. Two VOCs were detected above the NCDENR Solid Waste Section Limits (SWSL) but below the 2L standard, these detections were also present in the groundwater sample for MW-2R. The City will continue to evaluate the detection of these compounds in future sampling events.

An assessment monitoring workplan has been prepared and submitted to the NCDENR to address the detections in the groundwater samples from MW-2R.

The following attachments are provided for your reference:

- Environmental Monitoring Reporting Form
- Event Summary Table
- Historic Detections
- Groundwater Elevation Contour Map with Monitoring Well Locations
- Compact disc (CD) with a pdf of this report, and lab analytical data.

If you have any questions or comments concerning the information summarized in this letter, or in the attached analytical data, please do not hesitate to contact me at (704) 338-6719.

Sincerely,

HDR Engineering, Inc. of the Carolinas

Eric A. Wright

Eric A. Wright, P.E.
Project Engineer

EAW/apb

Enclosures (5)

cc: Edward Gibson, PE, Winston-Salem City/County Utility Commission
Mike Plummer, PE, HDR

Event Summary Table
Old Salisbury Road Landfill (C&D)

Facility Permit	34-12
Sampling Event Month	(Multiple Items)

To distinguish non detections (ND) from not sampled (NS), refer to complete laboratory analysis. This table represents both ND and NS as blanks.

Standard			Value																			
SWSL	2L	units		MW-1R	MW-2R	MW-3R	MW-4R	MW-5R	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	SW-1	SW-2	SW-3	SW-4	Equipment Blank	Trip Blank
			EPA 300.0																			
			µg/L																			
250000	250000	µg/L	Sulfate		96300		61800	7020					7590	15300	9460			38300	19800	19500		
			EPA 6010																			
			µg/L																			
6	NE	µg/L	Antimony																			
10	10	µg/L	Arsenic																			
100	700	µg/L	Barium	82.6	351	237	328	85.2	97.1	24.4	141	91.3	57.5	60.1	139	143	42.5	81	123	105		
1	NE	µg/L	Beryllium												2.3							
1	2	µg/L	Cadmium																			
10	10	µg/L	Chromium					14.7							5.5							
10	NE	µg/L	Cobalt		11.8		15															
10	1000	µg/L	Copper												6.1							
300	300	µg/L	Iron		2980	40300	368	3540		151		424	23000	3030	6140	2050	2290	4170	3230	1060		
10	15	µg/L	Lead												6.4							
50	50	µg/L	Manganese		7920	7310	257	43.5	12.7	7		6.8	1250	58.3	140	71	130	280	1890	1290		
50	100	µg/L	Nickel		20.9																	
10	20	µg/L	Selenium																			
10	20	µg/L	Silver		5																	
NE	NE	µg/L	Sodium	7670	31800		35300	13300	12000	5410	11900		6480	9980	20200	12700	9390	8650	18500	17900		
5.5	NE	µg/L	Thallium																			
25	NE	µg/L	Vanadium					13							10.8			7.5				
10	1000	µg/L	Zinc		33.3			15.3		45.4					31.6	12		13.5				
			EPA 7470																			
			µg/L																			
0.2	1	µg/L	Mercury																			
			EPA 8260																			
			µg/L																			
5	NE	µg/L	1,1,1,2-Tetrachloroethane																			
1	200	µg/L	1,1,1-Trichloroethane																			
3	0.2	µg/L	1,1,2,2-Tetrachloroethane																			
1	NE	µg/L	1,1,2-Trichloroethane																			
5	6	µg/L	1,1-Dichloroethane		1.2				1.9													
5	7	µg/L	1,1-Dichloroethene		38.7															0.58		
1	0.005	µg/L	1,2,3-Trichloropropane																			
13	0.04	µg/L	1,2-Dibromo-3-chloropropane																			
1	0.02	µg/L	1,2-Dibromoethane (EDB)																			
5	20	µg/L	1,2-Dichlorobenzene																			
1	0.4	µg/L	1,2-Dichloroethane																			
1	0.6	µg/L	1,2-Dichloropropane																			
1	6	µg/L	1,4-Dichlorobenzene																			
100	4000	µg/L	2-Butanone (MEK)																			
50	NE	µg/L	2-Hexanone																			
100	NE	µg/L	4-Methyl-2-pentanone (MIBK)																			
100	6000	µg/L	Acetone		3.7												2.2	4			5.5	6.6
200	NE	µg/L	Acrylonitrile																			
1	1	µg/L	Benzene		2																	
3	NE	µg/L	Bromochloromethane																			
1	0.6	µg/L	Bromodichloromethane																			
3	4	µg/L	Bromoform																			
10	NE	µg/L	Bromomethane																			
100	700	µg/L	Carbon Disulfide																			
1	0.3	µg/L	Carbon tetrachloride																			
3	50	µg/L	Chlorobenzene																			
10	3000	µg/L	Chloroethane																			
5	70	µg/L	Chloroform		0.26																	
1	3	µg/L	Chloromethane																			
5	70	µg/L	cis-1,2-Dichloroethene		0.46				0.67													
1	0.4	µg/L	cis-1,3-Dichloropropene																			
3	0.4	µg/L	Dibromochloromethane																			
10	NE	µg/L	Dibromomethane																			
1	600	µg/L	Ethylbenzene																			
10	NE	µg/L	Iodomethane																			
5	500	µg/L	m&p-Xylene		0.66																	
1	5	µg/L	Methylene Chloride		3.5																3.2	
NE	NE	µg/L	o-Xylene		1.2																	
1	70	µg/L	Styrene																			
1	0.7	µg/L	Tetrachloroethene		1.8																	
NS	NS	µg/L	Tetrahydrofuran		197																	
1	600	µg/L	Toluene																			
5	100	µg/L	trans-1,2-Dichloroethene																			
1	0.4	µg/L	trans-1,3-Dichloropropene																			
100	NE	µg/L	trans-1,4-Dichloro-2-butene																			
1	3	µg/L	Trichloroethene		0.88																	
1	2000	µg/L	Trichlorofluoromethane		20.1				0.34		0.42	0.68										
50	NE	µg/L	Vinyl acetate																			
1	0.03	µg/L	Vinyl chloride																			

Event Summary Table

Old Salisbury Road Landfill (C&D)

Facility Permit	34-12
Sampling Event Month	(Multiple Items)

To distinguish non detections (ND) from not sampled (NS), refer to complete laboratory analysis. This table represents both ND and NS as blanks.

Standard			Value																			
SWSL	2L	units		MW-1R	MW-2R	MW-3R	MW-4R	MW-5R	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	SW-1	SW-2	SW-3	SW-4	Equipment Blank	Trip Blank
			SM 2320B																			
			µg/L																			
NE	NE	µg/L	Alkalinity, Total as CaCO3	27500	219000	155000	143000	32800	47700	19600	17400	21700	122000	40200	44500	30400	19600	26100	160000	131000		
			SM 4500-Cl-E																			
			µg/L																			
250000	NS	µg/L	Chloride		62400		29200	16400					8480	8030			19100	10900	20900	23600		
			SM 2540C																			
			µg/L																			
NE	500000	µg/L	Total Dissolved Solids	95000	498000	180000	345000	139000	124000	81000	128000	89000	165000	124000	159000	138000	140000	189000	237000	234000		
			Field																			
			°C																			
			Field Temperature	15.4	12.7	13.8	12.5	15.2	12.3	15.2	14.9	14.2	13.5	13	13.3	14.3	10.9	11.5	11.4	11.5		
			µmhos/cm																			
			Field Specific Conductance	97	762	306	490	177	158	48	141	58	289	155	127	139	116	177	415	370		
			mg/l																			
			Oxygen, Dissolved	5.4	1.7	3.1	2.3	6.2	4	5.8	6.8	4.5	0.6	2	6.9	6.2	7.7	7.3	5.1	8.3		
			mV																			
			REDOX	218	95	71	175	200	207	206	205	223	-148	216	239	218	112	88	-1	66		
			NTU																			
			Turbidity	2	1	4	40	90	3	4	1	2	37	54	223	154	36	103	14	7		
			Std. Units																			
			Field pH	5.8	5.9	6	5.9	5.7	5.8	5.6	5.6	5.6	6.3	6	5.9	5.8	6.4	6.6	6.4	6.7		
			feet																			
			Static Water Level	73.32	16.58	44.06	18.37	22.3	77.6	17.03	52.19	12.24	7.38	9.19	17.83	52.08						
			Total Well Depth	60	21	27	20	30	48	27	60	21	20	15.58	20	60						

Facility Permit	34-12
Result	(Multiple Items)

Old Salisbury Road Landfill (C&D)

Highlighted cells are at or above the current standard. Blank cells indicate either NS or ND.

Historic Detections

MCL SWSL	MCL 2L	units	Value / Row Labels	Dec-11	Nov-11	Jun-11	May-11	Nov-10	Apr-10	Mar-10	Sep-09	Mar-09	Dec-08	Mar-08	Nov-07	Apr-07	Nov-06	Apr-06	Nov-05	Jun-05	Nov-04	Aug-04	May-04	Nov-03	May-03	Dec-02	Apr-02	Nov-01	Jul-01	Dec-00	Jun-00
			µg/L																												
			MW-1R																												
NE	NE	µg/L	Alkalinity, Total as CaCO3	27500																											
10	10	µg/L	Arsenic																									5.8			
100	700	µg/L	Barium	82.6			84.7	85.4		85.3	92.8	74.3	85	90.3	105	81	94	82	78	48	95		96.3	460	120	100	130	280	87	150	110
100	700	µg/L	Carbon Disulfide																												
10	10	µg/L	Chromium				1.4	0.96		1.4	2	0.88	0.64	0.49							2		3.5		4.3	2.3	5	22	6.6	6.6	
10	15	µg/L	Lead																					22				10			
0.2	1	µg/L	Mercury																												
1	5	µg/L	Methylene Chloride																												
10	20	µg/L	Selenium																	5.5											
10	20	µg/L	Silver				0.51			0.29	0.48		0.62	0.43																	
NE	NE	µg/L	Sodium	7670																											
1	600	µg/L	Toluene																									21			
NE	500000	µg/L	Total Dissolved Solids	95000																											
			MW-2R																												
5	6	µg/L	1,1-Dichloroethane		1.2		1.1																								
5.0	7.0	µg/L	1,1-Dichloroethene		38.7																										
100	4000	µg/L	2-Butanone (MEK)																												
100	6000	µg/L	Acetone		3.7																										
NE	NE	µg/L	Alkalinity, Total as CaCO3		219000																										
10	10	µg/L	Arsenic																												
100	700	µg/L	Barium		351		273	223		103	80.7	88.5	98.8	102	107	79	90	52	62	43	52		55	60	56	140	100	160	280	61	180
1	1	µg/L	Benzene		2	1.6	1.3																								
1	2	µg/L	Cadmium																							1.9					
250000	NS	µg/L	Chloride		62400																										
5	70	µg/L	Chloroform		0.26		0.36						3.4																		
10	10	µg/L	Chromium				5.4	0.49		1.2		1.6	0.5	0.79										2.2		2.1		16	16	3.9	3
5	70	µg/L	cis-1,2-Dichloroethene		0.46		0.26																								
10	NE	µg/L	Cobalt		11.8																										
300	300	µg/L	Iron		2980																										
10	15	µg/L	Lead																									7	8.9		6.5
5	500	µg/L	m&p-Xylene		0.66		0.74																								
50	50	µg/L	Manganese		7920																										
0.2	1	µg/L	Mercury																0.34												
NS	NS	µg/L	Methane			1280																									
1	5	µg/L	Methylene Chloride		3.5		4.1	4.2																							
50	100	µg/L	Nickel		20.9																										
NS	NS	µg/L	Nitrogen, Ammonia			0.12																									
NE	NE	µg/L	o-Xylene		1.2		0.84																								
10	20	µg/L	Silver		5		2.5	0.85		0.67	0.68	0.58	1.2	0.93																	
NE	NE	µg/L	Sodium		31800	27200																									
250000	250000	µg/L	Sulfate		96300																										
1	0.7	µg/L	Tetrachloroethene		1.8	1.6	1.4																								
NS	NS	µg/L	Tetrahydrofuran		197	274	226																								
NE	500000	µg/L	Total Dissolved Solids		498000																										
1	3	µg/L	Trichloroethene		0.88		0.65																								
1	2000	µg/L	Trichlorofluoromethane		20.1		31.6	36.1	21.9	22.2																					
10	1000	µg/L	Zinc		33.3																										

Facility Permit	34-12
Result	(Multiple Items)

Old Salisbury Road Landfill (C&D)

Highlighted cells are at or above the current standard. Blank cells indicate either NS or ND.

Historic Detections

MCL SWSL	MCL 2L	units	Row Labels	Dec-11	Nov-11	Jun-11	May-11	Nov-10	Apr-10	Mar-10	Sep-09	Mar-09	Dec-08	Mar-08	Nov-07	Apr-07	Nov-06	Apr-06	Nov-05	Jun-05	Nov-04	Aug-04	May-04	Nov-03	May-03	Dec-02	Apr-02	Nov-01	Jul-01	Dec-00	Jun-00
			µg/L																												
			MW-3R																												
NE	NE	µg/L	Alkalinity, Total as CaCO3		155000																										
10	10	µg/L	Arsenic							4																	7.4	8.4	18	31	
100	700	µg/L	Barium		237		301	302		314	289	252	231	293	273	310	230	290	300	300	340		270	200	220	13	370	400	950	1500	300
1	2	µg/L	Cadmium							0.82							2														
100	700	µg/L	Carbon Disulfide								26.1	3.3																			
10	10	µg/L	Chromium											0.63							2.3		3.7	2.3			15	19	50	100	
300	300	µg/L	Iron		40300																										
10	15	µg/L	Lead																				14				21	35	53	80	
50	50	µg/L	Manganese		7310																										
0.2	1	µg/L	Mercury																												
10	20	µg/L	Selenium										11.8	4.9	18.1	24															
10	20	µg/L	Silver				0.6			0.45	1	0.29	1.5	0.87																	
NE	500000	µg/L	Total Dissolved Solids		180000																										
			MW-4R																												
NE	NE	µg/L	Alkalinity, Total as CaCO3	143000																											
10	10	µg/L	Arsenic																				9.2					12	5.6		
100	700	µg/L	Barium	328			126	335		55.9	334	58.3	263	172	287	200	220	220	180	150	140		380	97	94	86	61	900	550	350	570
1	2	µg/L	Cadmium																												
250000	NS	µg/L	Chloride	29200																											
1	3	µg/L	Chloromethane				0.15																								
10	10	µg/L	Chromium				1.3	0.68		1.3	5.4	1.2	0.58	0.4									14	2.6	5.5	5		95	38	28	
10	NE	µg/L	Cobalt	15																											
300	300	µg/L	Iron	368																											
10	15	µg/L	Lead								4.8												18		5.3	6		36	14	8.1	9.5
50	50	µg/L	Manganese	257																											
0.2	1	µg/L	Mercury																												
1	5	µg/L	Methylene Chloride																												
10	20	µg/L	Silver				0.88	1.3			2.4		2.6	0.94																	
NE	NE	µg/L	Sodium	35300																											
250000	250000	µg/L	Sulfate	61800																											
NE	500000	µg/L	Total Dissolved Solids	345000																											

Facility Permit	34-12
Result	(Multiple Items)

Old Salisbury Road Landfill (C&D)

Highlighted cells are at or above the current standard. Blank cells indicate either NS or ND.

Historic Detections

MCL SWSL	MCL 2L	units	Value Row Labels	Dec-11	Nov-11	Jun-11	May-11	Nov-10	Apr-10	Mar-10	Sep-09	Mar-09	Dec-08	Mar-08	Nov-07	Apr-07	Nov-06	Apr-06	Nov-05	Jun-05	Nov-04	Aug-04	May-04	Nov-03	May-03	Dec-02	Apr-02	Nov-01	Jul-01	Dec-00	Jun-00
			µg/L																												
			MW-5R																												
100	6000	µg/L	Acetone																												
NE	NE	µg/L	Alkalinity, Total as CaCO3	32800																											
10	10	µg/L	Arsenic							4.2											5.1		5					7		5	
100	700	µg/L	Barium	85.2			63.7	53		54.3	66.8	52.6	56.1	57.5	70.6	58	58	57	54	53	80		76	65	72	65	150	610	270	400	200
1	2	µg/L	Cadmium																						2.7						
100	700	µg/L	Carbon Disulfide																												
250000	NS	µg/L	Chloride	16400																											
1	3	µg/L	Chloromethane																5.4												
10	10	µg/L	Chromium	14.7			7.6	5.8		5	8.6	5.2	5.3	5.6	8.4	6.4	6.2	6.2	3.5	5.6	14		7.3	8.7	9.5	7.4	23	140	49	82	8.1
300	300	µg/L	Iron	3540																											
10	15	µg/L	Lead																				5.1					13	7.6	7.6	
50	50	µg/L	Manganese	43.5																											
0.2	1	µg/L	Mercury																0.4												
1	5	µg/L	Methylene Chloride																												
10	20	µg/L	Silver				0.57	0.16		0.46	0.6	0.28	0.78	0.56																	
NE	NE	µg/L	Sodium	13300																											
250000	250000	µg/L	Sulfate	7020																											
NE	500000	µg/L	Total Dissolved Solids	139000																											
25	NE	µg/L	Vanadium	13																											
10	1000	µg/L	Zinc	15.3																											
			MW-6R																												
10	10	µg/L	Arsenic																									16			
100	700	µg/L	Barium																				28	25	24	41	180	530	62	41	82
10	10	µg/L	Chromium																				2.2	2.4		3.2	26	95	4.1	2.6	
10	15	µg/L	Lead																								7.6	38			5.8
0.2	1	µg/L	Mercury																												
			MW-7																												
1	200	µg/L	1,1,1-Trichloroethane				0.82																								
5	6	µg/L	1,1-Dichloroethane		1.9		3.8																								
NE	NE	µg/L	Alkalinity, Total as CaCO3		47700																										
10	10	µg/L	Arsenic							3.4														8.6				17	16	45	
100	700	µg/L	Barium		97.1		104	100		99.3	104	86.9	99	95.7	101	89	76	74	60	53	63		180	820	130	210	84	1300	1300	2600	360
100	700	µg/L	Carbon Disulfide								12.5																				
10	10	µg/L	Chromium					0.55			0.65		0.91	7.3							4.4		26	150	17	32	6.8	270	210	580	2.5
5	70	µg/L	cis-1,2-Dichloroethene		0.67		0.71																								
10	15	µg/L	Lead																					24	5.3	6		36	26	65	8.7
5	500	µg/L	m&p-Xylene				1.4																								
50	50	µg/L	Manganese		12.7																										
0.2	1	µg/L	Mercury																0.24												
1	5	µg/L	Methylene Chloride																												
NE	NE	µg/L	o-Xylene				0.39																								
10	20	µg/L	Silver				0.84	0.23		0.56	0.88	0.42	0.96	0.66													2.6				
NE	NE	µg/L	Sodium		12000																										
NE	500000	µg/L	Total Dissolved Solids		124000																										
1	2000	µg/L	Trichlorofluoromethane		0.34		0.48																								

Facility Permit	34-12
Result	(Multiple Items)

Old Salisbury Road Landfill (C&D)

Highlighted cells are at or above the current standard. Blank cells indicate either NS or ND.

Historic Detections

MCL SWSL	MCL 2L	units	Value / Row Labels	Dec-11	Nov-11	Jun-11	May-11	Nov-10	Apr-10	Mar-10	Sep-09	Mar-09	Dec-08	Mar-08	Nov-07	Apr-07	Nov-06	Apr-06	Nov-05	Jun-05	Nov-04	Aug-04	May-04	Nov-03	May-03	Dec-02	Apr-02	Nov-01	Jul-01	Dec-00	Jun-00
			µg/L																												
			MW-8																												
100	6000	µg/L	Acetone				3.8																								
NE	NE	µg/L	Alkalinity, Total as CaCO3		19600																										
10	10	µg/L	Arsenic																				6					36	46	89	
100	700	µg/L	Barium		24.4		27.3	26.8		28.8	27.2	25	32.8	24	26.6	30	29	29	26	25	30		480	52	77	48	150	2700	2600	4200	
10	10	µg/L	Chromium				0.96	0.62		1.4		0.78	0.97	0.42							2.4		28	3.2	3.8	2	23	94	92	240	
300	300	µg/L	Iron		151																										
10	15	µg/L	Lead																				41		6.7			150	210	400	
50	50	µg/L	Manganese		7																										
0.2	1	µg/L	Mercury											0.1					0.26												
10	20	µg/L	Silver				0.1				0.16		0.15	0.13	0.16																
NE	NE	µg/L	Sodium		5410																										
NE	500000	µg/L	Total Dissolved Solids		81000																										
10	1000	µg/L	Zinc		45.4																										
			MW-9																												
NE	NE	µg/L	Alkalinity, Total as CaCO3		17400																										
100	700	µg/L	Barium		141		153	157		134	128	173	124	124	117	140	140	100	100	85	95	240									
10	10	µg/L	Chromium									7.6	0.47									14									
10	15	µg/L	Lead																			14									
10	20	µg/L	Silver				0.43			0.27	0.32	0.18	0.36	0.22	0.32																
NE	NE	µg/L	Sodium		11900																										
NE	500000	µg/L	Total Dissolved Solids		128000																										
1	2000	µg/L	Trichlorofluoromethane		0.42		0.26																								
			MW-10																												
NE	NE	µg/L	Alkalinity, Total as CaCO3		21700																										
100	700	µg/L	Barium		91.3		80.7	38.9		46.6	39.1	38.9	41.9	42	40.8	52	71	48	46	82	55	98									
100	700	µg/L	Carbon Disulfide								13																				
10	10	µg/L	Chromium				0.63					0.65										13									
300	300	µg/L	Iron		424																										
10	15	µg/L	Lead																			6.8									
50	50	µg/L	Manganese		6.8																										
0.2	1	µg/L	Mercury																0.2												
10	20	µg/L	Selenium																			6.2									
10	20	µg/L	Silver				0.12				0.19																				
NE	500000	µg/L	Total Dissolved Solids		89000																										
1	2000	µg/L	Trichlorofluoromethane		0.68		0.52																								

Facility Permit	34-12
Result	(Multiple Items)

Old Salisbury Road Landfill (C&D)

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Historic Detections

MCL SWSL	MCL 2L	units	Value Row Labels	Dec-11	Nov-11	Jun-11	May-11	Nov-10	Apr-10	Mar-10	Sep-09	Mar-09	Dec-08	Mar-08	Nov-07	Apr-07	Nov-06	Apr-06	Nov-05	Jun-05	Nov-04	Aug-04	May-04	Nov-03	May-03	Dec-02	Apr-02	Nov-01	Jul-01	Dec-00	Jun-00
			µg/L																												
			MW-11																												
NE	NE	µg/L	Alkalinity, Total as CaCO3		122000																										
100	700	µg/L	Barium		57.5		56.2	48.1		37.6	31.8	28.4	28.6	29.2	23.1	25	24	26	27	24	28	47									
250000	NS	µg/L	Chloride		8480																										
10	10	µg/L	Chromium																		3.9	3.3									
300	300	µg/L	Iron		23000																										
50	50	µg/L	Manganese		1250																										
10	20	µg/L	Selenium										8.7																		
10	20	µg/L	Silver				1.2			0.48	0.5		0.79	0.41	0.39																
NE	NE	µg/L	Sodium		6480																										
250000	250000	µg/L	Sulfate		7590																										
NS	NS	µg/L	Tetrahydrofuran				12.1																								
NE	500000	µg/L	Total Dissolved Solids		165000																										
			MW-12																												
NE	NE	µg/L	Alkalinity, Total as CaCO3		40200																										
10	10	µg/L	Arsenic							2.7																					
100	700	µg/L	Barium		60.1		39.1	44.9		40.6	38	34.5	57.9	60.5	47.3	31	66	55	77	50	77	74									
250000	NS	µg/L	Chloride		8030																										
1	3	µg/L	Chloromethane				0.21																								
10	10	µg/L	Chromium				2.6	1.1		2.4		2		1.8				4			2.1										
300	300	µg/L	Iron		3030																										
50	50	µg/L	Manganese		58.3																										
10	20	µg/L	Silver				0.7			0.2	0.39		0.37	0.15	0.26																
NE	NE	µg/L	Sodium		9980																										
250000	250000	µg/L	Sulfate		15300																										
NE	500000	µg/L	Total Dissolved Solids		124000																										
			MW-13																												
5	7	µg/L	1,1-Dichloroethene								19.8																				
NE	NE	µg/L	Alkalinity, Total as CaCO3		44500																										
100	700	µg/L	Barium		139		164	176		126	117	79.2	88.7	64.6	85.6	79	62	65	59	46	57	160									
1	NE	µg/L	Beryllium		2.3																										
10	10	µg/L	Chromium		5.5		3.9	4		1.7	0.8	1.6	2.2	1.1				2			4.8	9.2									
10	1000	µg/L	Copper		6.1																										
300	300	µg/L	Iron		6140																										
10	15	µg/L	Lead		6.4			4.3														11									
50	50	µg/L	Manganese		140																										
10	20	µg/L	Silver				0.72			0.4	0.41		0.44	0.21																	
NE	NE	µg/L	Sodium		20200																										
250000	250000	µg/L	Sulfate		9460																										
NS	NS	µg/L	Tetrahydrofuran				18.6																								
NE	500000	µg/L	Total Dissolved Solids		159000																										
1	2000	µg/L	Trichlorofluoromethane								18.6																				
25	NE	µg/L	Vanadium		10.8																										
10	1000	µg/L	Zinc		31.6																										

Facility Permit	34-12
Result	(Multiple Items)

Old Salisbury Road Landfill (C&D)

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Historic Detections

MCL SWSL	MCL 2L	units	Value Row Labels	Dec-11	Nov-11	Jun-11	May-11	Nov-10	Apr-10	Mar-10	Sep-09	Mar-09	Dec-08	Mar-08	Nov-07	Apr-07	Nov-06	Apr-06	Nov-05	Jun-05	Nov-04	Aug-04	May-04	Nov-03	May-03	Dec-02	Apr-02	Nov-01	Jul-01	Dec-00	Jun-00
			µg/L																												
			MW-14																												
NE	NE	µg/L	Alkalinity, Total as CaCO3		30400																										
10	10	µg/L	Arsenic										7.3				8.3														
100	700	µg/L	Barium		143		125	129		130	242	97.9	583	186	130	210	460	250	120	69	66	170									
1	3	µg/L	Chloromethane				0.24																								
10	10	µg/L	Chromium				1.8	2.3		3	10.7	0.4	40.2	4.1	1.7	6.6	35	15	3.9			3.2									
300	300	µg/L	Iron		2050																										
10	15	µg/L	Lead								7.2		26.2			5.2	23	13	5.9			8									
50	50	µg/L	Manganese		71																										
0.2	1	µg/L	Mercury												0.098				0.44												
10	20	µg/L	Silver				0.74			0.39	0.54		0.46	0.56	0.48																
NE	NE	µg/L	Sodium		12700																										
NE	500000	µg/L	Total Dissolved Solids		138000																										
10	1000	µg/L	Zinc		12																										
			SW-1																												
100	6000	µg/L	Acetone		2.2										22.7																
NE	NE	µg/L	Alkalinity, Total as CaCO3		19600																										
10	10	µg/L	Arsenic							3.7										23		20									
100	700	µg/L	Barium		42.5		69.9	61.9		92.5	77.7	45.6	78.2	79.7	70.3	88	54	120	73	750	53	500									
250000	NS	µg/L	Chloride		19100																										
10	10	µg/L	Chromium									0.61	0.67	1.2	0.61			4.2		52	3.2	36									
300	300	µg/L	Iron		2290																										
10	15	µg/L	Lead								17.5									57		38									
50	50	µg/L	Manganese		130																										
0.2	1	µg/L	Mercury																1.1												
10	20	µg/L	Silver				0.4			0.28	0.62		0.39	0.37	0.51																
NE	NE	µg/L	Sodium		9390																										
NE	500000	µg/L	Total Dissolved Solids		140000																										
			SW-2																												
100	6000	µg/L	Acetone		4																										
NE	NE	µg/L	Alkalinity, Total as CaCO3		26100																										
10	10	µg/L	Arsenic													5.5															
100	700	µg/L	Barium		81		49.2	57.6		59.4	52.1	46.3	50.6	50.6	49.4	300	44	150	51	47	65	63									
250000	NS	µg/L	Chloride		10900																										
10	10	µg/L	Chromium									0.42				17		4.7													
300	300	µg/L	Iron		4170																										
10	15	µg/L	Lead													11		7.6													
50	50	µg/L	Manganese		280																										
0.2	1	µg/L	Mercury								0.081																				
10	20	µg/L	Selenium													21															
10	20	µg/L	Silver				0.2			0.2	0.36		0.5	0.26	0.26																
NE	NE	µg/L	Sodium		8650																										
250000	250000	µg/L	Sulfate		38300																										
NE	500000	µg/L	Total Dissolved Solids		189000																										
25	NE	µg/L	Vanadium		7.5																										
10	1000	µg/L	Zinc		13.5																										

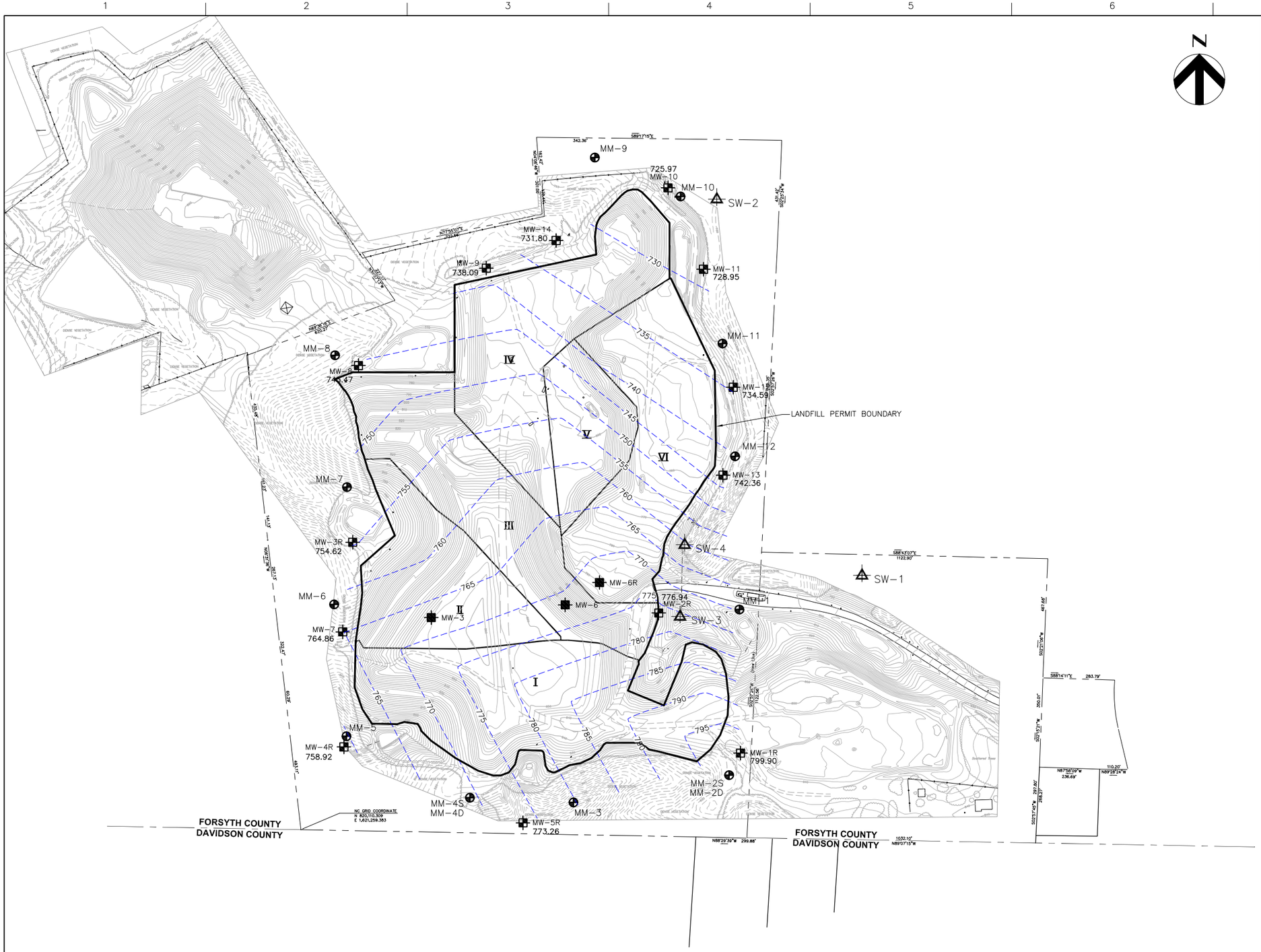
Facility Permit	34-12
Result	(Multiple Items)

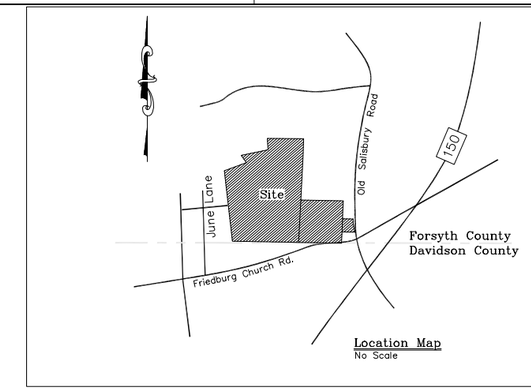
Old Salisbury Road Landfill (C&D)

Highlighted cells are at or above the current standard. Blank cells indicate either NS or ND.

Historic Detections

MCL SWSL	MCL 2L	units	Row Labels	Dec-11	Nov-11	Jun-11	May-11	Nov-10	Apr-10	Mar-10	Sep-09	Mar-09	Dec-08	Mar-08	Nov-07	Apr-07	Nov-06	Apr-06	Nov-05	Jun-05	Nov-04	Aug-04	May-04	Nov-03	May-03	Dec-02	Apr-02	Nov-01	Jul-01	Dec-00	Jun-00
			µg/L																												
			SW-3																												
NE	NE	µg/L	Alkalinity, Total as CaCO3	160000																											
100	700	µg/L	Barium	123																											
250000	NS	µg/L	Chloride	20900																											
300	300	µg/L	Iron	3230																											
50	50	µg/L	Manganese	1890																											
NE	NE	µg/L	Sodium	18500																											
250000	250000	µg/L	Sulfate	19800																											
NE	500000	µg/L	Total Dissolved Solids	237000																											
			SW-4																												
5	7	µg/L	1,1-Dichloroethene	0.58																											
NE	NE	µg/L	Alkalinity, Total as CaCO3	131000																											
100	700	µg/L	Barium	105																											
250000	NS	µg/L	Chloride	23600																											
300	300	µg/L	Iron	1060																											
50	50	µg/L	Manganese	1290																											
NE	NE	µg/L	Sodium	17900																											
250000	250000	µg/L	Sulfate	19500																											
NE	500000	µg/L	Total Dissolved Solids	234000																											





LEGEND

- EXISTING CONTOURS
- PROPERTY BOUNDARY
- COUNTY LINE
- PERMIT/PHASE BOUNDARY
- STREAM

EXISTING ABANDONED

- MONITORING WELLS (MW & OW)
- METHANE PROBES (MM)
- SW-1 SURFACE WATER
- 735 GROUNDWATER CONTOURS

NOTES

1. AERIAL TOPOGRAPHIC SURVEY PROVIDED BY BRADY SURVEYING COMPANY. DATE OF PHOTOGRAPH IS JANUARY 3, 2011.
2. PROPERTY SURVEY TAKEN FROM DATA SUPPLIED BY BRADY SURVEYING, INC. DATED MARCH 14, 1994.
3. GROUNDWATER ELEVATIONS MEASURED ON NOVEMBER, 2011.
4. MSL – MEAN SEA LEVEL

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	12/2011	ISSUED WITH GW REPORT

CLIENT MANAGER	M.D. PLUMMER, P.E.
PROJECT MANAGER	E.A. WRIGHT, P.E.
CAD	J. GAUL
PROJECT NUMBER	00000013625.018

OLD SALISBURY ROAD C & D LANDFILL

WINSTON-SALEM NORTH CAROLINA

FIGURE 1 GROUNDWATER CONTOURS AND MONITORING LOCATIONS

0 1" 2"

FILENAME

SCALE 1"=200'

SHEET

Location: Winston-Salem, NC Date: 11/29/14

Project / Client: OSR / HDR

NB# 101111

Well ID	Depth to H_2O (ft)	Time (HRS)
MW-3R	21.98	09:56
MW-7	38.80	~~10:03~~ 10:05
MW-4	9.04	10:10
MW-5R	11.10	10:22
MW-1R	36.52	10:30
MW-2R	8.28	10:38
MW-13	8.87	10:46
MW-12	4.48	10:52
MW-11	3.64	10:59
MW-10	12.24	11:05
MW-14	52.08	11:11
MW-9	52.19	11:17
MW-8	17.03	11:26

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Pace Analytical®

Well Diameter (in.)	Multiplication Factor*
1	0.0408
1.5	0.0918
1.625	0.1080
2	0.1630
3	0.3670
4	0.6530
6	1.4680
8	2.6100

MW-1R

GROUNDWATER SAMPLING **FIELD DATA SHEET**

Client: HDR Location: Winston-Salem, NC Project Name/#: OSR
Name & Affiliation (Sampler(s): JJQ - PACE
Name & Affiliation (Inspector): N/A

Well Information

Well ID: MW-1R Well Locked: (yes) no
Well Diameter: 2" Construction: (PVC) Steel Stainless Steel
Total Well Depth: 60 ft. Multi. Factor*: 0.163 {*(Radius/12)² X 3.14 x 7.48}
Static Water Level: 36.80 ft. Casing Volume: 3.8 gallons
Height of Water Col.: 23.20 ft. Cal. 3 Volumes: 11.4 gallons

Purge Information

Date Purged: 12/01/11 Time Start: 10:39 Finish: 1106 Purge Rate: 100 ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.7 gallons

Sampling Information

Date Sample Collected: 12/01/11 Time Sample Collected: 11:15 (am) pm
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40ml VOA	HCl	App I VOC
1-250ml	HNO3	App I metals
1-250mL	NONE	sulfate
1-250ml	NONE	chloride/Alk
1-500ml	NONE	TDS

Field Measurements/Observations

Sample Temp. (°C): 15.4 Time: 11:15
Sample pH (s.u.): 5.8 Time: 11:15
Specific Cond. (uS): 97 Time: 11:15
ReDox (mV): 218 Time: 11:15
Odor: NONE
Turbidity (ntu): 2 Time: 11:15
Dis. Oxy. (mg/L): 5.4 Time: 11:15
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: MW-1R micropurge method Refill = 60sec. DTB = 6sec.
Weather Conditions: 50F° sunny winds light & variable
Sampler Signature: [signature] Date: 12/01/2011

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed ml ~~(gals)~~	Other
10:42	6.6	97	155	25	7.7	14.9	300	—
10:45	6.7	96	167	8	7.4	15.1	600	—
10:48	6.6	96	174	2	7.0	15.0	900	—
10:51	6.3	97	182	2	6.6	15.0	1200	—
10:54	6.1	97	196	2	6.3	15.1	1500	—

Client: HDR

Location: Winston-Salem, NC

Project: OSR (12-01-11)

Well ID: MW-1R

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
10:57	5.9	96	203	2	6.0	15.0	1800
1100	5.9	96	209	2	6.0	15.1	2100
1103	5.8	96	214	2	5.5	15.3	2400
1106	5.8	97	218	2	5.5	15.5	2700

Pace Analytical®

Well Diameter (in.)	Multiplication Factor*
1	0.0408
1.5	0.0918
1.625	0.1080
2	0.1630
3	0.3670
4	0.6530
6	1.4680
8	2.6100

MW-2R

GROUNDWATER SAMPLING FIELD DATA SHEET

Client: HDR Location: Winston Salem NC Project Name/#: OSR
Name & Affiliation (Sampler(s): JJQ - PACE
Name & Affiliation (Inspector): N/A

Well Information

Well ID: MW-2R Well Locked: (yes) no
Well Diameter: 2" Construction: (PVC) Steel Stainless Steel
Total Well Depth: 21 ft. Multi. Factor*: 0.163 {*(Radius/12)² X 3.14 x 7.48}
Static Water Level: 8.30 ft. Casing Volume: 2.1 gallons
Height of Water Col.: 12.70 ft. Cal. 3 Volumes: 6.3 gallons

Purge Information

Date Purged: 11/30/11 Time Start: 15:21 Finish: 15:58 Purge Rate: 100 ml/min
Purging Method: micropurge by QED Total Volume Purged: 1.0 gallons

Sampling Information

Date Sample Collected: 11/30/11 Time Sample Collected: 16:05 am (pm)
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCL	App I VOC
1-250mL	HNO_3	App I metals
1-250mL	NONE	sulfate
1-250ml	NONE	chloride/ AlK
1-500mL	NONE	TDS

Field Measurements/Observations

Sample Temp. (°C): 12.7 Time: 1605
Sample pH (s.u.): 5.9 Time: 1605
Specific Cond. (uS): 762 Time: 1605
ReDox (mV): 95 Time: 1605
Odor: NONE
Turbidity (ntu): 1 Time: 1605
Dis. Oxy. (mg/L): 1.7 Time: 1605
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: MW-2R micropurge method Refill = 10 cc Dis. = 5 cc
Weather Conditions: partly cloudy, 49 F winds 10 to 15 mph
Sampler Signature: J Qualter Date: 11/30/2011

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed (~~gals.~~ mL)	Other
15:23	5.9	645	-132	1	5.0	12.8	300	—
15:26	5.9	699	-121	1	3.6	13.0	600	—
15:29	5.9	709	-107	1	3.3	13.1	900	—
15:32	5.9	726	-90	1	2.8	13.1	1200	—
15:35	5.9	736	-73	1	2.6	13.2	1500	—

Client: HDR

Location: Winston - Salem, NC

Project: OSR (11-30-2011)

Well ID: MW-2R

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
15:38	5.9	745	-52	1	2.3	13.1	1800
15:41	5.8	751	-17	1	2.2	13.1	2100
15:44	5.8	754	15	2	2.1	13.1	2400
15:47	5.8	756	39	1	2.0	13.1	2700
15:50	5.8	761	68	1	1.8	12.9	3000
15:53	5.9	764	83	1	1.8	12.7	3300
15:55	5.9	764	87	1	1.7	12.6	3600
15:58	5.9	765	91	1	1.7	12.7	3900

Pace Analytical

Well Diameter (in.)	Multiplication Factor*
1	0.0408
1.5	0.0918
1.625	0.1080
2	0.1630
3	0.3670
4	0.6530
6	1.4680
8	2.6100

MW-3R

GROUNDWATER SAMPLING **FIELD DATA SHEET**

Client: HDR Location: Winston-Salem, NC Project Name/#: OSR
Name & Affiliation (Sampler(s)): JJQ - PACE
Name & Affiliation (Inspector): N/A

Well Information

Well ID: MW-3R Well Locked: (yes) no
Well Diameter: 2" Construction: (PVC) Steel Stainless Steel
Total Well Depth: 27.0 ft. Multi. Factor*: 0.163 {*(Radius/12)² X 3.14 x 7.48}
Static Water Level: 22.08 ft. Casing Volume: 0.8 gallons
Height of Water Col.: 4.92 ft. Cal. 3 Volumes: 2.4 gallons

Purge Information

Date Purged: 11/30/11 Time Start: 13:19 Finish: 13:37 Purge Rate: 100ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.5 gallons

Sampling Information

Date Sample Collected: 11/30/11 Time Sample Collected: 13:50 am (pm)
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCL	App IVOC
1-250mL	HNO_3	App I metals
1-250mL	NONE	sulfate
1-250mL	NONE	chloride / Alk
1-500mL	NONE	TDS

Field Measurements/Observations

Sample Temp. (°C): 13.8 Time: 13:50
Sample pH (s.u.): 6.0 Time: 13:50
Specific Cond. (uS): 306 Time: 13:50
ReDox (mV): 71 Time: 13:50
Odor: NONE
Turbidity (ntu): 4 Time: 13:50
Dis. Oxy. (mg/L): 3.1 Time: 13:50
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: MW-3R micropurge method 60 sec = Refill 5 sec = DIS.
Weather Conditions: Partly cloudy, 48°F winds 10 to 20 mph
Sampler Signature: J Quattrer Date: 11/30/2011

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed (~~gals.~~) mls	Other
13:22	6.0	312	64	19	2.0	14.2	300	—
13:25	6.0	319	63	9	1.9	14.0	600	—
13:28	6.0	312	69	8	2.9	14.0	900	—
13:31	6.0	307	71	4	3.0	13.8	1200	—
13:34	6.0	305	72	4	3.1	13.8	1500	—

Client: HDR

Location: Winston-Salem - NC

Project: OSR (11-30-11)

Well ID: MW-3R

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
13:37	6.0	304	71	4	3.0	13.8	1800

Pace Analytical

Well Diameter (in.)	Multiplication Factor*
1	0.0408
1.5	0.0918
1.625	0.1080
2	0.1630
3	0.3670
4	0.6530
6	1.4680
8	2.6100

MW-4R

GROUNDWATER SAMPLING **FIELD DATA SHEET**

Client: HDR Location: Winston-Salem, NC Project Name/#: OSR
Name & Affiliation (Sampler(s): JJQ - PACE
Name & Affiliation (Inspector): N/A

Well Information
Well ID: MW-4R Well Locked: (yes) no
Well Diameter: 2" Construction: (PVC) Steel Stainless Steel
Total Well Depth: 20 ft. Multi. Factor*: 0.163 {*(Radius/12)² X 3.14 x 7.48}
Static Water Level: 9.33 ft. Casing Volume: 1.7 gallons
Height of Water Col.: 10.67 ft. Cal. 3 Volumes: 5.1 gallons

Purge Information
Date Purged: 12/01/11 Time Start: 0925 Finish: 0949 Purge Rate: 100 ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.6 gallons

Sampling Information
Date Sample Collected: 12/01/11 Time Sample Collected: 10:05 (am) pm
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCL	App IV VOC
1-250mL	HNO_3	App I metals
1-250mL	NONE	sulfate
1-250mL	NONE	chloride/ALK
1-500mL	NONE	TDS

Field Measurements/Observations
Sample Temp. (°C): 12.5 Time: 10:05
Sample pH (s.u.): 5.9 Time: 10:05
Specific Cond. (uS): 490 Time: 10:05
ReDox (mV): 175 Time: 10:05
Odor: NONE
Turbidity (ntu): 40 Time: 10:05
Dis. Oxy. (mg/L): 2.3 Time: 10:05
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: Hazy
General Observations: MW-4R micropurge method Refill = 60sec DTB = 5sec
Weather Conditions: sunny 45F winds light & variable
Sampler Signature: J Quattro Date: 12/01/2011

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed ~~(gals.)~~ mls	Other
0928	5.8	358	164	47	4.7	12.3	300	—
0931	5.9	368	172	45	4.2	12.1	600	—
0934	5.9	379	181	48	4.1	12.2	900	—
0937	5.9	416	183	44	3.4	12.2	1200	—
0940	5.9	440	181	44	3.1	12.3	1500	—

Client: HDR

Location: Winston-Salem, NC

Project: OSR (12-01-2011)

Well ID: MW-4R

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
0943	5.9	485	177	41	2.5	12.5	1800
0946	5.9	484	175	40	2.4	12.5	2100
0949	5.9	490	175	42	2.3	12.5	2400

Pace Analytical

Well Diameter (in.)	Multiplication Factor*
1	0.0408
1.5	0.0918
1.625	0.1080
2	0.1630
3	0.3670
4	0.6530
6	1.4680
8	2.6100

MW-5R

GROUNDWATER SAMPLING **FIELD DATA SHEET**

Client: HDR Location: Winston-Salem, NC Project Name/#: OSR
Name & Affiliation (Sampler(s): JJQ - PACE
Name & Affiliation (Inspector): N/A

Well Information
Well ID: MW5-R Well Locked: (yes) no
Well Diameter: 2" Construction: (PVC) Steel Stainless Steel
Total Well Depth: 30 ft. Multi. Factor*: 0.163 {*(Radius/12)² X 3.14 x 7.48}
Static Water Level: 11.20 ft. Casing Volume: 3.1 gallons
Height of Water Col.: 18.8 ft. Cal. 3 Volumes: 9.3 gallons

Purge Information
Date Purged: 12/01/11 Time Start: 12:46 Finish: 13:16 Purge Rate: 100 ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.8 gallons

Sampling Information
Date Sample Collected: 12/01/11 Time Sample Collected: 13:35 am (pm)
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCL	App I VOC
1-250mL	HNO_3	App I metals
1-250mL	NONE	Sulfate
1-250mL	NONE	chloride / Alk
TDS 1-500mL	NONE	TDS

Field Measurements/Observations
Sample Temp. (°C): 15.2 Time: 13:35 Turbidity (ntu): 90 Time: 13:35
Sample pH (s.u.): 5.7 Time: 13:35 Dis. Oxy. (mg/L): 6.2 Time: 13:35
Specific Cond. (uS): 177 Time: 13:35 Res. Cl (mg/L): – Time: –
ReDox (mV): 200 Time: 13:35 Other: – Time: –
Odor: NONE Appearance: cloudy
General Observations: MW-5R micropurge method Refill 60sec Dis = 5 sec
Weather Conditions: 57F winds light & variable sunny
Sampler Signature: J Qualter Date: 12/01/11

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed (~~gals.~~ mls)	Other
12:49	5.6	179	167	68	7.1	15.3	300	–
12:52	5.5	179	171	90	6.5	15.2	600	–
12:55	5.5	178	179	101	6.5	15.3	900	–
12:58	5.6	178	182	114	6.5	15.3	1200	–
13:01	5.6	178	187	106	6.3	15.3	1500	–

Client: HDR

Location: Winston-Salem, NC

Project: OSR (12-01-11)

Well ID: MW-5R

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
13:04	5.6	178	191	94	6.3	15.2	1800
13:07	5.7	177	195	106	6.3	15.2	2100
13:10	5.7	178	196	88	6.3	15.2	2400
13:13	5.7	177	198	92	6.2	15.1	2700
13:16	5.7	177	199	86	6.3	15.1	3000

Pace Analytical

Well Diameter (in.)	Multiplication Factor*
1	0.0408
1.5	0.0918
1.625	0.1080
2	0.1630
3	0.3670
4	0.6530
6	1.4680
8	2.6100

MW-7

GROUNDWATER SAMPLING FIELD DATA SHEET

Client: HDR Location: Winston-Salem, NC Project Name/#: OSR
Name & Affiliation (Sampler(s)): JJQ - PACE
Name & Affiliation (Inspector): N/A

Well Information

Well ID: MW-7 Well Locked: (yes) no
Well Diameter: 2" Construction: (PVC) Steel Stainless Steel
Total Well Depth: 48 ft. Multi. Factor*: 0.163 {*(Radius/12)² X 3.14 x 7.48}
Static Water Level: 38.80 ft. Casing Volume: 1.5 gallons
Height of Water Col.: 9.20 ft. Cal. 3 Volumes: 4.5 gallons

Purge Information

Date Purged: 11/30/11 Time Start: 14:15 Finish: _____ Purge Rate: 100ml/min
Purging Method: Micropurge by QED Total Volume Purged: _____ gallons

Sampling Information

Date Sample Collected: 11/30/11 Time Sample Collected: 1500 am (pm)
Sampling Equipment Used: Micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40ml VOA	HCl	App I VOC
1-250ml	HNO3	App I metals
1-250ml	NONE	sulfate
1-250ml	NONE	chloride/Alk
1-500ml	NONE	TDS

Field Measurements/Observations

Sample Temp. (°C): 12.3 Time: _____
Sample pH (s.u.): 5.8 Time: _____
Specific Cond. (uS): 158 Time: _____
ReDox (mV): 207 Time: _____
Odor: NONE
Turbidity (ntu): 3 Time: _____
Dis. Oxy. (mg/L): 4.0 Time: _____
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear

General Observations: MW-7 Refill = 60sec
D.T.W = 5 sec

Weather Conditions: partly cloudy 50F 15 to 20mph WINDS

Sampler Signature: J Quattrer Date: 11/30/2011

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed ~~(gals.)~~ ml/s	Other
14:20	6.0	162	175	17	5.9	12.5	300	—
14:23	6.0	163	177	10	6.0	12.4	600	—
14:26	5.9	161	195	3	4.4	12.4	900	—
14:29	5.8	159	205	3	4.2	12.4	1200	—
14:32	5.8	159	204	3	4.1	12.3	1500	—

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Pace Analytical

Well Diameter (in.)	Multiplication Factor*
1	0.0408
1.5	0.0918
1.625	0.1080
2	0.1630
3	0.3670
4	0.6530
6	1.4680
8	2.6100

mw-8

GROUNDWATER SAMPLING FIELD DATA SHEET

Client: HDR Location: Winston-Salem NC Project Name/#: OSR
Name & Affiliation (Sampler(s)): JJO PACE
Name & Affiliation (Inspector): N/A

Well Information

Well ID: mw-8 Well Locked: (yes) no
Well Diameter: 2" Construction: (PVC) Steel Stainless Steel
Total Well Depth: 27 ft. Multi. Factor*: 0.163 {*(Radius/12)² X 3.14 x 7.48}
Static Water Level: 17.03 ft. Casing Volume: 1.6 gallons
Height of Water Col.: 9.97 ft. Cal. 3 Volumes: 4.8 gallons

Purge Information

Date Purged: 11/29/11 Time Start: 12:05 Finish: 12:20 Purge Rate: 200 ml/min
Purging Method: Micropurge QED Total Volume Purged: 0.8 gallons

Sampling Information

Date Sample Collected: 11/29/11 Time Sample Collected: 12:35 am (pm)
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCL	App I ~~volts~~ 200 VOC
1-250ml	HNO_3	App I metals
1-250 mL	NONE	sulfate
1-250ml	NONE	chloride/Alk
1-500ml	NONE	TDS

Field Measurements/Observations

Sample Temp. (°C): 15.2 Time: 12:35
Sample pH (s.u.): 5.6 Time: 12:35
Specific Cond. (uS): 48 Time: 12:35
ReDox (mV): 206 Time: 12:35
Odor: NONE
Turbidity (ntu): 4 Time: 12:35
Dis. Oxy. (mg/L): 5.8 Time: 12:35
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear

General Observations: mw-8 micropurge method 10 sec Refill 5 sec off.
Equip Blank @ 10:00 HRS 11/29/11
Weather Conditions: Mostly Cloudy High 50F WINDS 5 to 10 mph

Sampler Signature: J Walter Date: 11/29/11

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed ~~(gals.)~~ mls/min	Other
12:08	5.4	47	191	2	5.5	15.3	600	—
12:11	5.7	47	189	4	5.3	15.3	1200	—
12:14	5.6	48	196	4	5.6	15.3	1800	—
12:17	5.6	48	202	4	5.8	15.3	2400	—
12:20	5.6	48	204	4	5.8	15.2	3000	—

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Pace Analytical

Well Diameter (in.)	Multiplication Factor*
1	0.0408
1.5	0.0918
1.625	0.1080
2	0.1630
3	0.3670
4	0.6530
6	1.4680
8	2.6100

MW-9

GROUNDWATER SAMPLING **FIELD DATA SHEET**

Client: HDR Location: Winston-Salem, NC Project Name/#: OSR
Name & Affiliation (Sampler(s): JJQ -PACE
Name & Affiliation (Inspector): N/A

Well Information

Well ID: MW-9 Well Locked: (yes) no
Well Diameter: 2" Construction: (PVC) Steel Stainless Steel
Total Well Depth: 60 ft. Multi. Factor*: 0.163 {*(Radius/12)^2 X 3.14 x 7.48}
Static Water Level: 52.14 ft. Casing Volume: 1.3 gallons
Height of Water Col.: 7.86 ft. Cal. 3 Volumes: 3.9 gallons

Purge Information

Date Purged: 11 / 29 / 11 Time Start: 12:55 Finish: 13:04 Purge Rate: 200mL/min
Purging Method: micropurge by QED Total Volume Purged: 0.5 gallons

Sampling Information

Date Sample Collected: 11 / 29 / 11 Time Sample Collected: 13:15 am (pm)
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCL	App I VOC
1-250mL	HNO3	App I metals
1-250mL	NONE	Sulfate
1-250mL	NONE	Chloride / Alk
1-500mL	NONE	TDS

Field Measurements/Observations

Sample Temp. (°C): 14.9 Time: 13:15
Sample pH (s.u.): 5.6 Time: 13:15
Specific Cond. (uS): 141 Time: 13:15
ReDox (mV): 205 Time: 13:15
Odor: NONE

Turbidity (ntu): 1 Time: 13:15
Dis. Oxy. (mg/L): 6.8 Time: 13:15
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear

General Observations: MW-9 micropurge method 10 sec Refill 5 sec Dis

Weather Conditions: mostly cloudy. High 50F. WINDS 10 to 20mph

Sampler Signature: J Qwather Date: 11 / 29 / 2011

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed (gals.)	Other
12:58	5.6	145	198	1	7.1	14.9	600	—
13:01	5.6	143	202	1	6.7	14.8	1200	—
13:04	5.6	142	205	1	6.7	14.9	1800	—

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Pace Analytical

Well Diameter (in.)	Multiplication Factor*
1	0.0408
1.5	0.0918
1.625	0.1080
2	0.1630
3	0.3670
4	0.6530
6	1.4680
8	2.6100

MW-10

GROUNDWATER SAMPLING FIELD DATA SHEET

Client: HDR Location: Winston-Salem, NC Project Name/#: OSR
Name & Affiliation (Sampler(s): JJQ - PACE
Name & Affiliation (Inspector): N/A

Well Information

Well ID: MW-10 Well Locked: (yes) no
Well Diameter: 2" Construction: (PVC) Steel Stainless Steel
Total Well Depth: 21 ft. Multi. Factor*: 0.163 {*(Radius/12)² X 3.14 x 7.48}
Static Water Level: 12.23 ft. Casing Volume: 1.4 gallons
Height of Water Col.: 8.77 ft. Cal. 3 Volumes: 4.2 gallons

Purge Information

Date Purged: 11/29/11 Time Start: 14:53 Finish: 15:11 Purge Rate: 100 mL/min
Purging Method: micropurge by QED Total Volume Purged: 0.5 gallons

Sampling Information

Date Sample Collected: 11/29/11 Time Sample Collected: 15:30 am (pm)
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCL	App IV VOC
1-250mL	HNO3	App IV metals
1-250mL	NONE	sulfate
1-250mL	NONE	chloride / Alk
1-500mL	NONE	TDS

Field Measurements/Observations

Sample Temp. (°C): 14.2 Time: 15:30
Sample pH (s.u.): 5.6 Time: 15:30
Specific Cond. (uS): 58 Time: 15:30
ReDox (mV): 223 Time: 15:30
Odor: NONE

Turbidity (ntu): 2 Time: 15:30
Dis. Oxy. (mg/L): 4.5 Time: 15:30
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear

General Observations: MW-10 micropurge method Refill = 60sec D/S = 5sec

Weather Conditions: Light Rain. High 50°F. WINDS 10 to 20 mph

Sampler Signature: J Quattrin Date: 11/29/11

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed ~~(gals.)~~ mls 250Q	Other
14:56	5.6	56	206	4	5.5	13.6	300	—
14:59	5.6	57	211	2	5.0	14.1	600	—
15:02	5.6	58	215	1	4.8	14.2	900	—
15:05	5.6	58	219	2	4.6	14.1	1200	—
15:08	5.6	58	221	2	4.6	14.2	1500	—

Client: HDR

Location: Winston-Salem, NC

Project: OSR (11-29-2011)

Well ID: MW-10

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
15:11	5.6	58	222	2	4.5	14.2	1800

Pace Analytical

Well Diameter (in.)	Multiplication Factor*
1	0.0408
1.5	0.0918
1.625	0.1080
2	0.1630
3	0.3670
4	0.6530
6	1.4680
8	2.6100

MW-11

GROUNDWATER SAMPLING **FIELD DATA SHEET**

Client: HDR Location: Winston-Salem, NC Project Name/#: OSR
Name & Affiliation (Sampler(s)): JJQ - PACE
Name & Affiliation (Inspector): NA

Well Information

Well ID: MW-11 Well Locked: (yes) no
Well Diameter: 2" Construction: (PVC) Steel Stainless Steel
Total Well Depth: 20.0 ft. Multi. Factor*: 0.163 {*(Radius/12)² X 3.14 x 7.48}
Static Water Level: 3.74 ft. Casing Volume: 2.6 gallons
Height of Water Col.: 16.26 ft. Cal. 3 Volumes: 7.8 gallons

Purge Information

Date Purged: 11/30/11 Time Start: 09:44 Finish: 10:11 Purge Rate: 100 ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.7 gallons

Sampling Information

Date Sample Collected: 11/30/11 Time Sample Collected: 10:25 (am) pm
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40ml VOA	HCL	App I VOC
1-250ml	HNO3	App I metals
1-250ml	NONE	Sulfate
1-250ml	NONE	Chloride / Alk
1-500ml	None	TDS

Field Measurements/Observations

Sample Temp. (°C): 13.5 Time: 10:25
Sample pH (s.u.): 6.3 Time: 10:25
Specific Cond. (uS): 289 Time: 10:25
ReDox (mV): -148 Time: 10:25
Odor: NONE

Turbidity (ntu): 37 Time: 10:25
Dis. Oxy. (mg/L): 0.6 Time: 10:25
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear

General Observations: MW-11 micropurge method Refill 60sec Dis. 5 sec

Weather Conditions: Partly cloudy 40F winds 10 to 20 mph

Sampler Signature: J Qualter Date: 11/30/11

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed ~~(gals.)~~ ml's	Other
0947	6.2	280	-49	31	1.7	13.9	300	—
0950	6.2	283	-79	27	1.5	13.5	600	—
0953	6.2	284	-99	25	1.3	13.4	900	—
0956	6.2	285	-120	57	1.1	13.4	1200	—
0959	6.2	287	-137	49	1.0	13.7	1500	—

Client: HDR

Location: Winston-Salem, NC

Project: OSR (11-30-2011)

Well ID: MW-11

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
10:02	6.2	289	-142	45	0.8	13.6	1800
10:05	6.2	289	-144	43	0.6	13.5	2100
10:08	6.2	290	-144	40	0.6	13.5	2400
10:11	6.3	291	-147	39	0.6	13.5	2700

Pace Analytical®

Well Diameter (in.)	Multiplication Factor*
1	0.0408
1.5	0.0918
1.625	0.1080
2	0.1630
3	0.3670
4	0.6530
6	1.4680
8	2.6100

MW-12

GROUNDWATER SAMPLING FIELD DATA SHEET

Client: HDR Location: Winston-Salem, NC Project Name/#: OSR
Name & Affiliation (Sampler(s): JJQ - PACE
Name & Affiliation (Inspector): N/A

Well Information

Well ID: MW-12 Well Locked: (yes) no
Well Diameter: 2" Construction: (PVC) Steel Stainless Steel
Total Well Depth: 15.58 ft. Multi. Factor*: 0.163 {*(Radius/12)² X 3.14 x 7.48}
Static Water Level: 4.71 ft. Casing Volume: 1.8 gallons
Height of Water Col.: 10.87 ft. Cal. 3 Volumes: 5.4 gallons

Purge Information

Date Purged: 11/30/11 Time Start: 10:50 Finish: 11:08 Purge Rate: 100 ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.5 gallons

Sampling Information

Date Sample Collected: 11/30/11 Time Sample Collected: 11:30 (am) pm
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCl	App I VOC
1-250mL	HNO_3	App I metals
1-250mL	NONE	sulfate
1-250mL	NONE	chloride / Alk
1-500mL	NONE	TDS

Field Measurements/Observations

Sample Temp. (°C): 13.0 Time: 11:30
Sample pH (s.u.): 6.0 Time: 11:30
Specific Cond. (uS): 155 Time: 11:30
ReDox (mV): 216 Time: 11:30
Odor: NONE

Turbidity (ntu): 54 Time: 11:30
Dis. Oxy. (mg/L): 2.0 Time: 11:30
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: Hazy

General Observations: MW-12 micropurge method Refill = 60 sec Dis = 5 sec

Weather Conditions: partly cloudy 45F° winds 10 to 20 mph

Sampler Signature: J Quattro Date: 11/30/11

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed ~~(gals.)~~ mls	Other
1053	6.0	152	177	15	3.5	14.3	300	—
1056	5.9	152	187	37	2.7	13.7	600	—
1059	5.9	153	200	54	2.4	13.2	900	—
1102	6.0	152	203	59	2.1	13.1	1200	—
1105	6.0	153	209	61	2.0	13.1	1500	—

Client: HDR

Location: Winston-Salem, NC

Project: OSR (11-30-2011)

Well ID: MW-12

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
11:08	6.0	155	213	6.2	1.9	13.05	1800

Pace Analytical

Well Diameter (in.)	Multiplication Factor*
1	0.0408
1.5	0.0918
1.625	0.1080
2	0.1630
3	0.3670
4	0.6530
6	1.4680
8	2.6100

MW-13

GROUNDWATER SAMPLING **FIELD DATA SHEET**

Client: HDR Location: Winston-Salem, NC Project Name/#: OSR
Name & Affiliation (Sampler(s): JJQ - PACE
Name & Affiliation (Inspector): N/A

Well Information

Well ID: MW-13 Well Locked: yes no
Well Diameter: 2" Construction: PVC Steel Stainless Steel
Total Well Depth: 20.0 ft. Multi. Factor*: 0.163 {*(Radius/12)² X 3.14 x 7.48}
Static Water Level: 8.96 ft. Casing Volume: 1.8 gallons
Height of Water Col.: 11.04 ft. Cal. 3 Volumes: 5.4 gallons

Purge Information

Date Purged: 11/30/11 Time Start: 11:48 Finish: 12:30 Purge Rate: 100 ml/min
Purging Method: micropurge by QED Total Volume Purged: 1.1 gallons

Sampling Information

Date Sample Collected: 11/30/11 Time Sample Collected: 12:40 am pm
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCL	App I VOC
1-250mL	HNO3	App I metals
1-250mL	NONE	sulfate
1-250ml	NONE	chloride/ Alk
1-500mL	NONE	TDS

Field Measurements/Observations

Sample Temp. (°C): 13.3 Time: 12:40
Sample pH (s.u.): 5.9 Time: 12:40
Specific Cond. (uS): 127 Time: 12:40
ReDox (mV): 239 Time: 12:40
Odor: NONE

Turbidity (ntu): 223 Time: 12:40
Dis. Oxy. (mg/L): 6.9 Time: 12:40
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: turbid

General Observations: MW-13 micropurge method Refill 60sec Dis = 5 sec

Weather Conditions: Partly cloudy 49F winds 10 to 20mph

Sampler Signature: J Qualter Date: 11/30/2011

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed (~~gals.~~) mls	Other
11:51	5.8	129	233	68	9.0	14.2	300	—
11:54	5.8	127	233	86	8.8	13.7	600	—
11:57	5.8	128	235	96	8.7	13.6	900	—
12:00	5.8	129	235	94	8.6	13.5	1200	—
12:03	5.8	129	236	109	8.4	13.3	1500	—

Client: HDR

Location: Winston-Salem, NC

Project: OSR (11-30-2011)

Well ID: MW-13

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
12:06	5.9	128	236	132	8.3	13.4	1800
12:09	5.9	128	236	160	8.2	13.5	2100
12:12	5.9	126	236	177	8.0	13.3	2400
12:15	5.9	128	237	187	7.9	13.3	2700
12:18	5.9	127	237	199	7.6	13.4	3000
12:21	5.9	126	239	202	7.4	13.4	3300
12:24	5.9	127	239	220	7.4	13.3	3600
12:27	5.9	126	239	224	7.2	13.3	3900
12:30	5.9	126	239	213	7.0	13.3	4200

Pace Analytical

Well Diameter (in.)	Multiplication Factor*
1	0.0408
1.5	0.0918
1.625	0.1080
2	0.1630
3	0.3670
4	0.6530
6	1.4680
8	2.6100

MW-14

GROUNDWATER SAMPLING FIELD DATA SHEET

Client: HDR Location: Winston-Salem, NC Project Name/#: OSR
Name & Affiliation (Sampler(s): JJQ - PACE
Name & Affiliation (Inspector): N/A

Well Information

Well ID: mw-14 Well Locked: (yes) no
Well Diameter: 2" Construction: (PVC) Steel Stainless Steel
Total Well Depth: 60 ft. Multi. Factor*: 0.163 {*(Radius/12)² X 3.14 x 7.48}
Static Water Level: 52.02 ft. Casing Volume: 1.3 gallons
Height of Water Col.: 7.98 ft. Cal. 3 Volumes: 3.9 gallons

Purge Information

Date Purged: 11/29/11 Time Start: 13:43 Finish: 14:13 Purge Rate: 200 ml/min
Purging Method: micropurge by QED Total Volume Purged: 1.6 gallons

Sampling Information

Date Sample Collected: 11/29/11 Time Sample Collected: 14:25 am (pm)
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCL	App I VOC
1-250mL	HNO_3	App I metals
1-250mL	NONE	sulfate
1-250mL	NONE	chloride / ALK
1-500mL	NONE	TDS

Field Measurements/Observations

Sample Temp. (°C): 14.3 Time: 14:25
Sample pH (s.u.): 5.8 Time: 14:25
Specific Cond. (uS): 139 Time: 14:25
ReDox (mV): 218 Time: 14:25
Odor: NONE

Turbidity (ntu): 154 Time: 14:25
Dis. Oxy. (mg/L): 6.2 Time: 14:25
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: cloudy

General Observations: MW-14 micropurge method Refill = 60sec Dis = 5sec

Weather Conditions: overcast, High 50F 10 to 20 mph WINDS

Sampler Signature: J Quattlebaum Date: 11/29/11

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed ~~(gals.)~~ ml	Other
13:46	5.7	148	191	24	5.9	14.4	600	—
13:49	5.7	149	195	17	5.9	14.3	1200	—
13:52	5.7	148	202	25	6.0	14.3	1800	—
13:55	5.8	146	205	36	6.1	14.3	2400	—
13:58	5.8	145	208	55	6.2	14.3	3000	—

Client: HDR

Location: Winston-Salem, NC

Project: OSR (11-29-2011)

Well ID: mw-14

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
14:01	5.8	144	210	81	6.2	14.3	3600
14:04	5.8	142	212	97	6.2	14.3	4200
14:07	5.8	141	214	143	6.2	14.3	4800
14:10	5.8	141	216	156	6.2	14.3	5400
14:13	5.8	139	217	145	6.2	14.3	6000

Pace Analytical

Well Diameter (in.)	Multiplication Factor*
1	0.0408
1.5	0.0918
1.625	0.1080
2	0.1630
3	0.3670
4	0.6530
6	1.4680
8	2.6100

SW-1

GROUNDWATER SAMPLING **FIELD DATA SHEET**

Client: HDR Location: Winston - Salem, NC Project Name/#: OSR
Name & Affiliation (Sampler(s)): JJQ - PACE
Name & Affiliation (Inspector): N/A

Well Information

Well ID: SW-1 Well Locked: yes no
Well Diameter: — Construction: PVC Steel Stainless Steel
Total Well Depth: — ft. Multi. Factor*: — {*(Radius/12)^2 X 3.14 x 7.48}
Static Water Level: — ft. Casing Volume: — gallons
Height of Water Col.: — ft. Cal. 3 Volumes: — gallons

Purge Information

Date Purged: 11/29/11 Time Start: — Finish: — Purge Rate: —
Purging Method: — Total Volume Purged: — gallons

Sampling Information

Date Sample Collected: 11/29/11 Time Sample Collected: 1620 am pm
Sampling Equipment Used: grab

Bottle Type	Preservation	Analysis Required
3-40ml VOA	HCl	App F VOC
1-250ml	HNO_3	App I metals
1-250ml	NONE	Sulfate
1-250 mL	NONE	Chloride / Alk
1-500mL	NONE	TDS

Field Measurements/Observations

Sample Temp. (°C): 10.9 Time: 16:20
Sample pH (s.u.): 6.4 Time: 16:20
Specific Cond. (uS): 116 Time: 16:20
ReDox (mV): 112 Time: 16:20
Odor: NONE
Turbidity (ntu): 36 Time: 1620
Dis. Oxy. (mg/L): 7.7 Time: 1620
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: HAZY
General Observations: SW-1 surface water

Weather Conditions: Light Rain High 50F winds 10 to 20 mph

Sampler Signature: J Quattlebaum Date: 11/29/11

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed (gals.)	Other

Pace Analytical

Well Diameter (in.)	Multiplication Factor*
1	0.0408
1.5	0.0918
1.625	0.1080
2	0.1630
3	0.3670
4	0.6530
6	1.4680
8	2.6100

SW-2

GROUNDWATER SAMPLING **FIELD DATA SHEET**

Client: HDR Location: Winston-Salem, NC Project Name/#: OSR
Name & Affiliation (Sampler(s)): JJQ - PACE
Name & Affiliation (Inspector): N/A

Well Information

Well ID: SW-2 Well Locked: yes no
Well Diameter: — Construction: PVC Steel Stainless Steel
Total Well Depth: — ft. Multi. Factor*: — {*(Radius/12)^2 X 3.14 x 7.48}
Static Water Level: — ft. Casing Volume: — gallons
Height of Water Col.: — ft. Cal. 3 Volumes: — gallons

Purge Information

Date Purged: — / — / — Time Start: — Finish: — Purge Rate: —
Purging Method: — Total Volume Purged: — gallons

Sampling Information

Date Sample Collected: 11/29/11 Time Sample Collected: 15:45 am (pm)
Sampling Equipment Used: grab

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCl	App IVOC
1-250mL	HNO_3	App Fmetal
1-250mL	NONE	Sulfate
1-250mL	NONE	chloride/ Alk
1-500mL	NONE	TDS

Field Measurements/Observations

Sample Temp. (°C): 11.5 Time: 15:45
Sample pH (s.u.): 6.6 Time: 15:45
Specific Cond. (uS): 177 Time: 15:45
ReDox (mV): 88 Time: 15:45
Odor: NONE
Turbidity (ntu): 103 Time: 15:45
Dis. Oxy. (mg/L): 7.3 Time: 15:45
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: turbid

General Observations: SW-2 surface water

Weather Conditions: Light Rain. High 58°F winds 10 to 20 mph

Sampler Signature: J Qualter Date: 11 / 29 / 2011

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed (gals.)	Other

Pace Analytical

Well Diameter (in.)	Multiplication Factor*
1	0.0408
1.5	0.0918
1.625	0.1080
2	0.1630
3	0.3670
4	0.6530
6	1.4680
8	2.6100

SW-3

GROUNDWATER SAMPLING **FIELD DATA SHEET**

Client: HDR Location: Winston-Salem, NC Project Name/#: OSR
Name & Affiliation (Sampler(s): JJQ - PACE
Name & Affiliation (Inspector): N/A

Well Information

Well ID: SW-3 Well Locked: yes no
Well Diameter: — Construction: PVC Steel Stainless Steel
Total Well Depth: — ft. Multi. Factor*: — {*(Radius/12)^2 X 3.14 x 7.48}
Static Water Level: — ft. Casing Volume: — gallons
Height of Water Col.: — ft. Cal. 3 Volumes: — gallons

Purge Information

Date Purged: — / — / — Time Start: — Finish: — Purge Rate: —
Purging Method: — Total Volume Purged: — gallons

Sampling Information

Date Sample Collected: 12 / 01 / 11 Time Sample Collected: 14:00 am pm
Sampling Equipment Used: grab

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCL	App I VOC
1-250mL	HNO3	App I metals
1-250mL	NONE	sulfate
1-250mL	NONE	chloride / Alk
1-500mL	NONE	TDS

Field Measurements/Observations

Sample Temp. (°C): 11.4 Time: 14:00
Sample pH (s.u.): 6.4 Time: 14:00
Specific Cond. (uS): 415 Time: 14:00
ReDox (mV): -1 Time: 14:00
Odor: NONE
Turbidity (ntu): 14 Time: 14:00
Dis. Oxy. (mg/L): 5.1 Time: 14:00
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: SW-3 surface water

Weather Conditions: 57°F. Sunny. Winds light & variable

Sampler Signature: J Quattrone Date: 12 / 01 / 11

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed (gals.)	Other

DDQ

Pace Analytical

Well Diameter (in.)	Multiplication Factor*
1	0.0408
1.5	0.0918
1.625	0.1080
2	0.1630
3	0.3670
4	0.6530
6	1.4680
8	2.6100

SW-4

GROUNDWATER SAMPLING **FIELD DATA SHEET**

Client: HDR Location: Winston-Salem NC Project Name/#: OSR
Name & Affiliation (Sampler(s): JJQ - PACE
Name & Affiliation (Inspector): N/A

Well Information
Well ID: SW-4 Well Locked: yes no
Well Diameter: ~ Construction: PVC Steel Stainless Steel
Total Well Depth: — ft. Multi. Factor*: ~ {*(Radius/12)^2 X 3.14 x 7.48}
Static Water Level: ~ ft. Casing Volume: ~ gallons
Height of Water Col.: ~ ft. Cal. 3 Volumes: — gallons

Purge Information
Date Purged: —/—/— Time Start: — Finish: — Purge Rate: —
Purging Method: — Total Volume Purged: — gallons

Sampling Information
Date Sample Collected: 12/01/11 Time Sample Collected: 1430 am pm
Sampling Equipment Used: grab

Bottle Type	Preservation	Analysis Required
3-40ml VOA	HCL	App I VOC
1-250ml	HNO3	App I metals
1-250ml	NONE	sulfate
1-250mL	NONE	chloride / Alk
1-500mL	NONE	TDS

Field Measurements/Observations
Sample Temp. (°C): 11.5 Time: 1430
Sample pH (s.u.): 6.7 Time: 1430
Specific Cond. (uS): 370 Time: 1430
ReDox (mV): 66 Time: 1430
Odor: NONE
Turbidity (ntu): 7 Time: 14:30
Dis. Oxy. (mg/L): 8.3 Time: 1430
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: SW-4 Surface water

Weather Conditions: 57°F sunny winds light & variable

Sampler Signature: J Quattrier Date: 12/01/11

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed (gals.)	Other

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(828)254-7176

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

December 14, 2011

Mr. Eric Wright
HDR Engineering
440 South Church Street
Suite 1000
Charlotte, NC 28202

RE: Project: OSR
Pace Project No.: 92107338

Dear Mr. Wright:
Enclosed are the analytical results for sample(s) received by the laboratory between November 29, 2011 and December 01, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: OSR
Pace Project No.: 92107338

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356
Virgina/VELAP Certification #: 460147

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(704)875-9092

SAMPLE ANALYTE COUNT

Project: OSR
Pace Project No.: 92107338

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92107338001	**EQUIP-BLANK**	EPA 8260	MCK	53	PASI-C
92107338002	**MW-8**		KRG	13	PASI-C
		EPA 6010	JMW	18	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	SMW	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92107338003	**MW-9**		KRG	13	PASI-C
		EPA 6010	JMW	18	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	SMW	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92107338004	**MW-14**		KRG	13	PASI-C
		EPA 6010	JMW	18	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	SMW	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92107338005	**MW-10**		KRG	13	PASI-C
		EPA 6010	JMW	18	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	SMW	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92107338006	**SW-2**		KRG	11	PASI-C
		EPA 6010	JMW	18	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C

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SAMPLE ANALYTE COUNT

Project: OSR
Pace Project No.: 92107338

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2320B	AES	1	PASI-A
		SM 2540C	SMW	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92107338007	**SW-1**		KRG	11	PASI-C
		EPA 6010	JMW	18	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	SMW	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92107338008	**MW-11**		KRG	13	PASI-C
		EPA 6010	JMW	18	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	SMW	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92107338009	**MW-12**		KRG	13	PASI-C
		EPA 6010	JMW	18	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	SMW	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92107338010	**MW-13**		KRG	13	PASI-C
		EPA 6010	JMW	18	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	SMW	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92107338011	**MW-3R**		KRG	13	PASI-C

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SAMPLE ANALYTE COUNT

Project: OSR
Pace Project No.: 92107338

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	JMW	18	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	SMW	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92107338012	**MW-7**		KRG	13	PASI-C
		EPA 6010	JMW	18	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	SMW	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92107338013	**MW-2R**		KRG	13	PASI-C
		EPA 6010	JMW	18	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	SMW	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92107338014	**TRIP BLANK**	EPA 8260	MCK	53	PASI-C
92107338015	**MW-4R**		KRG	13	PASI-C
		EPA 6010	JMW	18	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	SMW	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92107338016	**MW-1R**		KRG	13	PASI-C
		EPA 6010	JMW	18	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 2320B	AES	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: OSR
Pace Project No.: 92107338

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C	SMW	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92107338017	**MW-5R**		KRG	13	PASI-C
		EPA 6010	JMW	18	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	SMW	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92107338018	**SW-3**		KRG	11	PASI-C
		EPA 6010	JMW	18	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	SMW	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A
92107338019	**SW-4**		KRG	11	PASI-C
		EPA 6010	JMW	18	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 2540C	SMW	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: EQUIP-BLANK **Lab ID: 92107338001** Collected: 11/29/11 10:00 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	**5.5J**	ug/L	25.0	1		12/04/11 16:59	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/04/11 16:59	107-13-1	
Benzene	ND	ug/L	1.0	1		12/04/11 16:59	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/04/11 16:59	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/11 16:59	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/04/11 16:59	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/04/11 16:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/11 16:59	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		12/04/11 16:59	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/11 16:59	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/11 16:59	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/11 16:59	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/11 16:59	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/11 16:59	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/11 16:59	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/11 16:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/11 16:59	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/04/11 16:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 16:59	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 16:59	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/04/11 16:59	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/11 16:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/11 16:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/11 16:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 16:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 16:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/04/11 16:59	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 16:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 16:59	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/04/11 16:59	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/04/11 16:59	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/11 16:59	74-88-4	
Methylene Chloride	**3.2**	ug/L	1.0	1		12/04/11 16:59	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/11 16:59	108-10-1	
Styrene	ND	ug/L	1.0	1		12/04/11 16:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 16:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 16:59	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/11 16:59	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/11 16:59	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/11 16:59	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/11 16:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/11 16:59	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/04/11 16:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/04/11 16:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/04/11 16:59	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/04/11 16:59	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/04/11 16:59	75-01-4	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: EQUIP-BLANK **Lab ID: 92107338001** Collected: 11/29/11 10:00 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
m&p-Xylene	ND	ug/L	2.0	1		12/04/11 16:59	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/04/11 16:59	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%	70-130	1		12/04/11 16:59	460-00-4	
Dibromofluoromethane (S)	112	%	70-130	1		12/04/11 16:59	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	70-130	1		12/04/11 16:59	17060-07-0	
Toluene-d8 (S)	93	%	70-130	1		12/04/11 16:59	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-8 **Lab ID: 92107338002** Collected: 11/29/11 12:35 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		12/07/11 15:47		
Collected Date	**11/29/11**			1		12/07/11 15:47		
Collected Time	**12:35**			1		12/07/11 15:47		
Field pH	**5.6**	Std. Units		1		12/07/11 15:47		
Field Temperature	**15.2**	deg C		1		12/07/11 15:47		
Static Water Level	**17.03**	feet		1		12/07/11 15:47		
Field Specific Conductance	**48**	umhos/cm		1		12/07/11 15:47		
Oxygen, Dissolved	**5.8**	mg/L		1		12/07/11 15:47	7782-44-7	
Total Well Depth	**27**	feet		1		12/07/11 15:47		
REDOX	**206**	mV		1		12/07/11 15:47		
Turbidity	**4**	NTU		1		12/07/11 15:47		
Odor	**NONE**			1		12/07/11 15:47		
Appearance	**CLEAR**			1		12/07/11 15:47		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:03	7440-36-0	
Arsenic	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:03	7440-38-2	
Barium	**24.4**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:03	7440-39-3	
Beryllium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:03	7440-41-7	
Cadmium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:03	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:03	7440-47-3	
Cobalt	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:03	7440-48-4	
Copper	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:03	7440-50-8	
Iron	**151**	ug/L	50.0	1	12/02/11 14:45	12/07/11 17:03	7439-89-6	
Lead	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:03	7439-92-1	
Manganese	**7.0**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:03	7439-96-5	
Nickel	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:03	7440-02-0	
Selenium	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:03	7782-49-2	
Silver	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:03	7440-22-4	
Sodium	**5410**	ug/L	5000	1	12/02/11 14:45	12/07/11 17:03	7440-23-5	
Thallium	ND	ug/L	5.4	1	12/02/11 14:45	12/07/11 17:03	7440-28-0	
Vanadium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:03	7440-62-2	
Zinc	**45.4**	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:03	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/01/11 16:35	12/02/11 12:52	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/04/11 17:24	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/04/11 17:24	107-13-1	
Benzene	ND	ug/L	1.0	1		12/04/11 17:24	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/04/11 17:24	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/11 17:24	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/04/11 17:24	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/04/11 17:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/11 17:24	78-93-3	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-8 **Lab ID: 92107338002** Collected: 11/29/11 12:35 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Carbon disulfide	ND	ug/L	2.0	1		12/04/11 17:24	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/11 17:24	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/11 17:24	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/11 17:24	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/11 17:24	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/11 17:24	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/11 17:24	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/11 17:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/11 17:24	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/04/11 17:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 17:24	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 17:24	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/04/11 17:24	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/11 17:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/11 17:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/11 17:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 17:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 17:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/04/11 17:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 17:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 17:24	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/04/11 17:24	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/04/11 17:24	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/11 17:24	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		12/04/11 17:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/11 17:24	108-10-1	
Styrene	ND	ug/L	1.0	1		12/04/11 17:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 17:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 17:24	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/11 17:24	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/11 17:24	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/11 17:24	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/11 17:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/11 17:24	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/04/11 17:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/04/11 17:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/04/11 17:24	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/04/11 17:24	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/04/11 17:24	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/04/11 17:24	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/04/11 17:24	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		12/04/11 17:24	460-00-4	
Dibromofluoromethane (S)	113	%	70-130	1		12/04/11 17:24	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	70-130	1		12/04/11 17:24	17060-07-0	
Toluene-d8 (S)	93	%	70-130	1		12/04/11 17:24	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-8 **Lab ID: 92107338002** Collected: 11/29/11 12:35 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**19600**	ug/L	5000	1		12/03/11 11:25		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**81000**	ug/L	25000	1		12/02/11 23:38		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	ND	ug/L	5000	1		12/02/11 18:27	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	ND	ug/L	5000	1		12/11/11 11:25	16887-00-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-9 **Lab ID: 92107338003** Collected: 11/29/11 13:15 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		12/07/11 15:49		
Collected Date	**11/29/11**			1		12/07/11 15:49		
Collected Time	**13:15**			1		12/07/11 15:49		
Field pH	**5.6**	Std. Units		1		12/07/11 15:49		
Field Temperature	**14.9**	deg C		1		12/07/11 15:49		
Static Water Level	**52.14**	feet		1		12/07/11 15:49		
Field Specific Conductance	**141**	umhos/cm		1		12/07/11 15:49		
Oxygen, Dissolved	**6.8**	mg/L		1		12/07/11 15:49	7782-44-7	
Total Well Depth	**60**	feet		1		12/07/11 15:49		
REDOX	**205**	mV		1		12/07/11 15:49		
Turbidity	**1**	NTU		1		12/07/11 15:49		
Odor	**NONE**			1		12/07/11 15:49		
Appearance	**CLEAR**			1		12/07/11 15:49		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:06	7440-36-0	
Arsenic	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:06	7440-38-2	
Barium	**141**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:06	7440-39-3	
Beryllium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:06	7440-41-7	
Cadmium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:06	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:06	7440-47-3	
Cobalt	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:06	7440-48-4	
Copper	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:06	7440-50-8	
Iron	ND	ug/L	50.0	1	12/02/11 14:45	12/07/11 17:06	7439-89-6	
Lead	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:06	7439-92-1	
Manganese	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:06	7439-96-5	
Nickel	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:06	7440-02-0	
Selenium	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:06	7782-49-2	
Silver	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:06	7440-22-4	
Sodium	**11900**	ug/L	5000	1	12/02/11 14:45	12/07/11 17:06	7440-23-5	
Thallium	ND	ug/L	5.4	1	12/02/11 14:45	12/07/11 17:06	7440-28-0	
Vanadium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:06	7440-62-2	
Zinc	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:06	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/01/11 16:35	12/02/11 12:55	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/04/11 17:50	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/04/11 17:50	107-13-1	
Benzene	ND	ug/L	1.0	1		12/04/11 17:50	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/04/11 17:50	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/11 17:50	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/04/11 17:50	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/04/11 17:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/11 17:50	78-93-3	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-9 **Lab ID: 92107338003** Collected: 11/29/11 13:15 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Carbon disulfide	ND	ug/L	2.0	1		12/04/11 17:50	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/11 17:50	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/11 17:50	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/11 17:50	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/11 17:50	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/11 17:50	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/11 17:50	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/11 17:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/11 17:50	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/04/11 17:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 17:50	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 17:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/04/11 17:50	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/11 17:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/11 17:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/11 17:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 17:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 17:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/04/11 17:50	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 17:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 17:50	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/04/11 17:50	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/04/11 17:50	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/11 17:50	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		12/04/11 17:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/11 17:50	108-10-1	
Styrene	ND	ug/L	1.0	1		12/04/11 17:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 17:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 17:50	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/11 17:50	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/11 17:50	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/11 17:50	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/11 17:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/11 17:50	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/04/11 17:50	79-01-6	
Trichlorofluoromethane	**0.42J**	ug/L	1.0	1		12/04/11 17:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/04/11 17:50	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/04/11 17:50	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/04/11 17:50	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/04/11 17:50	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/04/11 17:50	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%	70-130	1		12/04/11 17:50	460-00-4	
Dibromofluoromethane (S)	110	%	70-130	1		12/04/11 17:50	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	70-130	1		12/04/11 17:50	17060-07-0	
Toluene-d8 (S)	95	%	70-130	1		12/04/11 17:50	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-9 **Lab ID: 92107338003** Collected: 11/29/11 13:15 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**17400**	ug/L	5000	1		12/03/11 11:25		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**128000**	ug/L	25000	1		12/02/11 23:40		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	ND	ug/L	5000	1		12/02/11 18:40	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	ND	ug/L	5000	1		12/11/11 11:27	16887-00-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-14 **Lab ID: 92107338004** Collected: 11/29/11 14:25 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		12/07/11 15:50		
Collected Date	**11/29/11**			1		12/07/11 15:50		
Collected Time	**14:25**			1		12/07/11 15:50		
Field pH	**5.8**	Std. Units		1		12/07/11 15:50		
Field Temperature	**14.3**	deg C		1		12/07/11 15:50		
Static Water Level	**52.02**	feet		1		12/07/11 15:50		
Field Specific Conductance	**139**	umhos/cm		1		12/07/11 15:50		
Oxygen, Dissolved	**6.2**	mg/L		1		12/07/11 15:50	7782-44-7	
Total Well Depth	**60**	feet		1		12/07/11 15:50		
REDOX	**218**	mV		1		12/07/11 15:50		
Turbidity	**154**	NTU		1		12/07/11 15:50		
Odor	**NONE**			1		12/07/11 15:50		
Appearance	**CLOUDY**			1		12/07/11 15:50		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:19	7440-36-0	
Arsenic	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:19	7440-38-2	
Barium	**143**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:19	7440-39-3	
Beryllium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:19	7440-41-7	
Cadmium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:19	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:19	7440-47-3	
Cobalt	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:19	7440-48-4	
Copper	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:19	7440-50-8	
Iron	**2050**	ug/L	50.0	1	12/02/11 14:45	12/07/11 17:19	7439-89-6	
Lead	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:19	7439-92-1	
Manganese	**71.0**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:19	7439-96-5	
Nickel	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:19	7440-02-0	
Selenium	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:19	7782-49-2	
Silver	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:19	7440-22-4	
Sodium	**12700**	ug/L	5000	1	12/02/11 14:45	12/07/11 17:19	7440-23-5	
Thallium	ND	ug/L	5.4	1	12/02/11 14:45	12/07/11 17:19	7440-28-0	
Vanadium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:19	7440-62-2	
Zinc	**12.0**	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:19	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/01/11 16:35	12/02/11 12:57	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/04/11 18:16	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/04/11 18:16	107-13-1	
Benzene	ND	ug/L	1.0	1		12/04/11 18:16	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/04/11 18:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/11 18:16	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/04/11 18:16	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/04/11 18:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/11 18:16	78-93-3	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-14 **Lab ID: 92107338004** Collected: 11/29/11 14:25 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Carbon disulfide	ND	ug/L	2.0	1		12/04/11 18:16	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/11 18:16	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/11 18:16	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/11 18:16	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/11 18:16	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/11 18:16	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/11 18:16	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/11 18:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/11 18:16	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/04/11 18:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 18:16	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 18:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/04/11 18:16	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/11 18:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/11 18:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/11 18:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 18:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 18:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/04/11 18:16	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 18:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 18:16	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/04/11 18:16	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/04/11 18:16	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/11 18:16	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		12/04/11 18:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/11 18:16	108-10-1	
Styrene	ND	ug/L	1.0	1		12/04/11 18:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 18:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 18:16	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/11 18:16	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/11 18:16	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/11 18:16	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/11 18:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/11 18:16	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/04/11 18:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/04/11 18:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/04/11 18:16	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/04/11 18:16	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/04/11 18:16	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/04/11 18:16	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/04/11 18:16	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		12/04/11 18:16	460-00-4	
Dibromofluoromethane (S)	114	%	70-130	1		12/04/11 18:16	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	70-130	1		12/04/11 18:16	17060-07-0	
Toluene-d8 (S)	94	%	70-130	1		12/04/11 18:16	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-14 **Lab ID: 92107338004** Collected: 11/29/11 14:25 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**30400**	ug/L	5000	1		12/03/11 11:25		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**138000**	ug/L	25000	1		12/02/11 23:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	ND	ug/L	5000	1		12/07/11 12:24	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	ND	ug/L	5000	1		12/11/11 11:27	16887-00-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-10 **Lab ID: 92107338005** Collected: 11/29/11 15:30 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		12/07/11 15:52		
Collected Date	**11/29/11**			1		12/07/11 15:52		
Collected Time	**15:30**			1		12/07/11 15:52		
Field pH	**5.6**	Std. Units		1		12/07/11 15:52		
Field Temperature	**14.2**	deg C		1		12/07/11 15:52		
Static Water Level	**12.23**	feet		1		12/07/11 15:52		
Field Specific Conductance	**58**	umhos/cm		1		12/07/11 15:52		
Oxygen, Dissolved	**4.5**	mg/L		1		12/07/11 15:52	7782-44-7	
Total Well Depth	**21**	feet		1		12/07/11 15:52		
REDOX	**223**	mV		1		12/07/11 15:52		
Turbidity	**2**	NTU		1		12/07/11 15:52		
Odor	**NONE**			1		12/07/11 15:52		
Appearance	**CLEAR**			1		12/07/11 15:52		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:23	7440-36-0	
Arsenic	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:23	7440-38-2	
Barium	**91.3**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:23	7440-39-3	
Beryllium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:23	7440-41-7	
Cadmium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:23	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:23	7440-47-3	
Cobalt	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:23	7440-48-4	
Copper	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:23	7440-50-8	
Iron	**424**	ug/L	50.0	1	12/02/11 14:45	12/07/11 17:23	7439-89-6	
Lead	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:23	7439-92-1	
Manganese	**6.8**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:23	7439-96-5	
Nickel	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:23	7440-02-0	
Selenium	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:23	7782-49-2	
Silver	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:23	7440-22-4	
Sodium	ND	ug/L	5000	1	12/02/11 14:45	12/07/11 17:23	7440-23-5	
Thallium	ND	ug/L	5.4	1	12/02/11 14:45	12/07/11 17:23	7440-28-0	
Vanadium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:23	7440-62-2	
Zinc	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:23	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/01/11 16:35	12/02/11 13:00	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/04/11 18:41	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/04/11 18:41	107-13-1	
Benzene	ND	ug/L	1.0	1		12/04/11 18:41	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/04/11 18:41	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/11 18:41	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/04/11 18:41	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/04/11 18:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/11 18:41	78-93-3	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-10 **Lab ID: 92107338005** Collected: 11/29/11 15:30 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Carbon disulfide	ND	ug/L	2.0	1		12/04/11 18:41	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/11 18:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/11 18:41	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/11 18:41	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/11 18:41	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/11 18:41	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/11 18:41	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/11 18:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/11 18:41	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/04/11 18:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 18:41	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 18:41	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/04/11 18:41	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/11 18:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/11 18:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/11 18:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 18:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 18:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/04/11 18:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 18:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 18:41	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/04/11 18:41	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/04/11 18:41	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/11 18:41	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		12/04/11 18:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/11 18:41	108-10-1	
Styrene	ND	ug/L	1.0	1		12/04/11 18:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 18:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 18:41	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/11 18:41	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/11 18:41	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/11 18:41	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/11 18:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/11 18:41	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/04/11 18:41	79-01-6	
Trichlorofluoromethane	**0.68J**	ug/L	1.0	1		12/04/11 18:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/04/11 18:41	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/04/11 18:41	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/04/11 18:41	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/04/11 18:41	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/04/11 18:41	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	93	%	70-130	1		12/04/11 18:41	460-00-4	
Dibromofluoromethane (S)	112	%	70-130	1		12/04/11 18:41	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	70-130	1		12/04/11 18:41	17060-07-0	
Toluene-d8 (S)	92	%	70-130	1		12/04/11 18:41	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-10 **Lab ID: 92107338005** Collected: 11/29/11 15:30 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**21700**	ug/L	5000	1		12/03/11 11:25		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**89000**	ug/L	25000	1		12/02/11 23:41		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	ND	ug/L	5000	1		12/07/11 12:38	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	ND	ug/L	5000	1		12/11/11 11:28	16887-00-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: SW-2 **Lab ID: 92107338006** Collected: 11/29/11 15:45 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		12/07/11 15:54		
Collected Date	**11/29/11**			1		12/07/11 15:54		
Collected Time	**15:45**			1		12/07/11 15:54		
Field pH	**6.6**	Std. Units		1		12/07/11 15:54		
Field Temperature	**11.5**	deg C		1		12/07/11 15:54		
Field Specific Conductance	**177**	umhos/cm		1		12/07/11 15:54		
Oxygen, Dissolved	**7.3**	mg/L		1		12/07/11 15:54	7782-44-7	
REDOX	**88**	mV		1		12/07/11 15:54		
Turbidity	**103**	NTU		1		12/07/11 15:54		
Odor	**NONE**			1		12/07/11 15:54		
Appearance	**TURBID**			1		12/07/11 15:54		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:26	7440-36-0	
Arsenic	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:26	7440-38-2	
Barium	**81.0**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:26	7440-39-3	
Beryllium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:26	7440-41-7	
Cadmium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:26	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:26	7440-47-3	
Cobalt	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:26	7440-48-4	
Copper	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:26	7440-50-8	
Iron	**4170**	ug/L	50.0	1	12/02/11 14:45	12/07/11 17:26	7439-89-6	
Lead	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:26	7439-92-1	
Manganese	**280**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:26	7439-96-5	
Nickel	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:26	7440-02-0	
Selenium	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:26	7782-49-2	
Silver	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:26	7440-22-4	
Sodium	**8650**	ug/L	5000	1	12/02/11 14:45	12/07/11 17:26	7440-23-5	
Thallium	ND	ug/L	5.4	1	12/02/11 14:45	12/07/11 17:26	7440-28-0	
Vanadium	**7.5**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:26	7440-62-2	
Zinc	**13.5**	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:26	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/01/11 16:35	12/02/11 13:03	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	**4.0J**	ug/L	25.0	1		12/04/11 19:06	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/04/11 19:06	107-13-1	
Benzene	ND	ug/L	1.0	1		12/04/11 19:06	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/04/11 19:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/11 19:06	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/04/11 19:06	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/04/11 19:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/11 19:06	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		12/04/11 19:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/11 19:06	56-23-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: SW-2 **Lab ID: 92107338006** Collected: 11/29/11 15:45 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/L	1.0	1		12/04/11 19:06	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/11 19:06	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/11 19:06	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/11 19:06	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/11 19:06	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/11 19:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/11 19:06	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/04/11 19:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 19:06	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 19:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/04/11 19:06	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/11 19:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/11 19:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/11 19:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 19:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 19:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/04/11 19:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 19:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 19:06	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/04/11 19:06	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/04/11 19:06	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/11 19:06	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		12/04/11 19:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/11 19:06	108-10-1	
Styrene	ND	ug/L	1.0	1		12/04/11 19:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 19:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 19:06	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/11 19:06	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/11 19:06	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/11 19:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/11 19:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/11 19:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/04/11 19:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/04/11 19:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/04/11 19:06	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/04/11 19:06	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/04/11 19:06	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/04/11 19:06	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/04/11 19:06	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	93	%	70-130	1		12/04/11 19:06	460-00-4	
Dibromofluoromethane (S)	115	%	70-130	1		12/04/11 19:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		12/04/11 19:06	17060-07-0	
Toluene-d8 (S)	93	%	70-130	1		12/04/11 19:06	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**26100**	ug/L	5000	1		12/03/11 11:25		

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: SW-2 **Lab ID: 92107338006** Collected: 11/29/11 15:45 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**189000**	ug/L	25000	1		12/02/11 23:42		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	**38300**	ug/L	5000	1		12/07/11 13:18	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**10900**	ug/L	5000	1		12/11/11 11:29	16887-00-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: SW-1 **Lab ID: 92107338007** Collected: 11/29/11 16:20 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		12/07/11 15:55		
Collected Date	**11/29/11**			1		12/07/11 15:55		
Collected Time	**16:20**			1		12/07/11 15:55		
Field pH	**6.4**	Std. Units		1		12/07/11 15:55		
Field Temperature	**10.9**	deg C		1		12/07/11 15:55		
Field Specific Conductance	**116**	umhos/cm		1		12/07/11 15:55		
Oxygen, Dissolved	**7.7**	mg/L		1		12/07/11 15:55	7782-44-7	
REDOX	**112**	mV		1		12/07/11 15:55		
Turbidity	**36**	NTU		1		12/07/11 15:55		
Odor	**NONE**			1		12/07/11 15:55		
Appearance	**HAZY**			1		12/07/11 15:55		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:29	7440-36-0	
Arsenic	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:29	7440-38-2	
Barium	**42.5**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:29	7440-39-3	
Beryllium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:29	7440-41-7	
Cadmium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:29	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:29	7440-47-3	
Cobalt	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:29	7440-48-4	
Copper	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:29	7440-50-8	
Iron	**2290**	ug/L	50.0	1	12/02/11 14:45	12/07/11 17:29	7439-89-6	
Lead	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:29	7439-92-1	
Manganese	**130**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:29	7439-96-5	
Nickel	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:29	7440-02-0	
Selenium	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:29	7782-49-2	
Silver	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:29	7440-22-4	
Sodium	**9390**	ug/L	5000	1	12/02/11 14:45	12/07/11 17:29	7440-23-5	
Thallium	ND	ug/L	5.4	1	12/02/11 14:45	12/07/11 17:29	7440-28-0	
Vanadium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:29	7440-62-2	
Zinc	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:29	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/01/11 16:35	12/02/11 13:05	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	**2.2J**	ug/L	25.0	1		12/04/11 19:32	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/04/11 19:32	107-13-1	
Benzene	ND	ug/L	1.0	1		12/04/11 19:32	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/04/11 19:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/11 19:32	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/04/11 19:32	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/04/11 19:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/11 19:32	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		12/04/11 19:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/11 19:32	56-23-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: SW-1 **Lab ID: 92107338007** Collected: 11/29/11 16:20 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/L	1.0	1		12/04/11 19:32	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/11 19:32	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/11 19:32	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/11 19:32	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/11 19:32	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/11 19:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/11 19:32	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/04/11 19:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 19:32	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 19:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/04/11 19:32	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/11 19:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/11 19:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/11 19:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 19:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 19:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/04/11 19:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 19:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 19:32	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/04/11 19:32	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/04/11 19:32	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/11 19:32	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		12/04/11 19:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/11 19:32	108-10-1	
Styrene	ND	ug/L	1.0	1		12/04/11 19:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 19:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 19:32	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/11 19:32	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/11 19:32	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/11 19:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/11 19:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/11 19:32	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/04/11 19:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/04/11 19:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/04/11 19:32	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/04/11 19:32	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/04/11 19:32	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/04/11 19:32	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/04/11 19:32	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		12/04/11 19:32	460-00-4	
Dibromofluoromethane (S)	115	%	70-130	1		12/04/11 19:32	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		12/04/11 19:32	17060-07-0	
Toluene-d8 (S)	94	%	70-130	1		12/04/11 19:32	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**19600**	ug/L	5000	1		12/03/11 11:25		

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: SW-1 **Lab ID: 92107338007** Collected: 11/29/11 16:20 Received: 11/29/11 18:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**140000**	ug/L	25000	1		12/02/11 23:42		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	ND	ug/L	5000	1		12/07/11 13:32	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**19100**	ug/L	5000	1		12/11/11 11:29	16887-00-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-11 **Lab ID: 92107338008** Collected: 11/30/11 10:25 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		12/07/11 15:56		
Collected Date	**11/30/11**			1		12/07/11 15:56		
Collected Time	**10:25**			1		12/07/11 15:56		
Field pH	**6.3**	Std. Units		1		12/07/11 15:56		
Field Temperature	**13.5**	deg C		1		12/07/11 15:56		
Static Water Level	**3.74**	feet		1		12/07/11 15:56		
Field Specific Conductance	**289**	umhos/cm		1		12/07/11 15:56		
Oxygen, Dissolved	**0.6**	mg/L		1		12/07/11 15:56	7782-44-7	
Total Well Depth	**20.0**	feet		1		12/07/11 15:56		
REDOX	**-148**	mV		1		12/07/11 15:56		
Turbidity	**37**	NTU		1		12/07/11 15:56		
Odor	**NONE**			1		12/07/11 15:56		
Appearance	**CLEAR**			1		12/07/11 15:56		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:32	7440-36-0	
Arsenic	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:32	7440-38-2	
Barium	**57.5**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:32	7440-39-3	
Beryllium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:32	7440-41-7	
Cadmium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:32	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:32	7440-47-3	
Cobalt	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:32	7440-48-4	
Copper	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:32	7440-50-8	
Iron	**23000**	ug/L	50.0	1	12/02/11 14:45	12/07/11 17:32	7439-89-6	
Lead	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:32	7439-92-1	
Manganese	**1250**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:32	7439-96-5	
Nickel	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:32	7440-02-0	
Selenium	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:32	7782-49-2	
Silver	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:32	7440-22-4	
Sodium	**6480**	ug/L	5000	1	12/02/11 14:45	12/07/11 17:32	7440-23-5	
Thallium	ND	ug/L	5.4	1	12/02/11 14:45	12/07/11 17:32	7440-28-0	
Vanadium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:32	7440-62-2	
Zinc	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:32	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/05/11 14:25	12/06/11 15:40	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/04/11 19:57	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/04/11 19:57	107-13-1	
Benzene	ND	ug/L	1.0	1		12/04/11 19:57	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/04/11 19:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/11 19:57	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/04/11 19:57	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/04/11 19:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/11 19:57	78-93-3	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-11 **Lab ID: 92107338008** Collected: 11/30/11 10:25 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Carbon disulfide	ND	ug/L	2.0	1		12/04/11 19:57	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/11 19:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/11 19:57	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/11 19:57	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/11 19:57	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/11 19:57	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/11 19:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/11 19:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/11 19:57	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/04/11 19:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 19:57	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 19:57	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/04/11 19:57	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/11 19:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/11 19:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/11 19:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 19:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 19:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/04/11 19:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 19:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 19:57	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/04/11 19:57	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/04/11 19:57	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/11 19:57	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		12/04/11 19:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/11 19:57	108-10-1	
Styrene	ND	ug/L	1.0	1		12/04/11 19:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 19:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 19:57	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/11 19:57	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/11 19:57	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/11 19:57	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/11 19:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/11 19:57	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/04/11 19:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/04/11 19:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/04/11 19:57	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/04/11 19:57	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/04/11 19:57	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/04/11 19:57	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/04/11 19:57	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		12/04/11 19:57	460-00-4	
Dibromofluoromethane (S)	115	%	70-130	1		12/04/11 19:57	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		12/04/11 19:57	17060-07-0	
Toluene-d8 (S)	94	%	70-130	1		12/04/11 19:57	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-11 **Lab ID: 92107338008** Collected: 11/30/11 10:25 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**122000**	ug/L	5000	1		12/03/11 11:25		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**165000**	ug/L	25000	1		12/05/11 22:58		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	**7590**	ug/L	5000	1		12/07/11 14:53	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**8480**	ug/L	5000	1		12/11/11 11:32	16887-00-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-12 **Lab ID: 92107338009** Collected: 11/30/11 11:30 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		12/12/11 10:58		
Collected Date	**11/30/11**			1		12/12/11 10:58		
Collected Time	**11:30**			1		12/12/11 10:58		
Field pH	**6.0**	Std. Units		1		12/12/11 10:58		
Field Temperature	**13.0**	deg C		1		12/12/11 10:58		
Static Water Level	**4.71**	feet		1		12/12/11 10:58		
Field Specific Conductance	**155**	umhos/cm		1		12/12/11 10:58		
Oxygen, Dissolved	**2.0**	mg/L		1		12/12/11 10:58	7782-44-7	
Total Well Depth	**15.58**	feet		1		12/12/11 10:58		
REDOX	**216**	mV		1		12/12/11 10:58		
Turbidity	**54**	NTU		1		12/12/11 10:58		
Odor	**NONE**			1		12/12/11 10:58		
Appearance	**HAZY**			1		12/12/11 10:58		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:36	7440-36-0	
Arsenic	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:36	7440-38-2	
Barium	**60.1**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:36	7440-39-3	
Beryllium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:36	7440-41-7	
Cadmium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:36	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:36	7440-47-3	
Cobalt	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:36	7440-48-4	
Copper	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:36	7440-50-8	
Iron	**3030**	ug/L	50.0	1	12/02/11 14:45	12/07/11 17:36	7439-89-6	
Lead	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:36	7439-92-1	
Manganese	**58.3**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:36	7439-96-5	
Nickel	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:36	7440-02-0	
Selenium	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:36	7782-49-2	
Silver	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:36	7440-22-4	
Sodium	**9980**	ug/L	5000	1	12/02/11 14:45	12/07/11 17:36	7440-23-5	
Thallium	ND	ug/L	5.4	1	12/02/11 14:45	12/07/11 17:36	7440-28-0	
Vanadium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:36	7440-62-2	
Zinc	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:36	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/05/11 14:25	12/06/11 14:50	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/04/11 20:23	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/04/11 20:23	107-13-1	
Benzene	ND	ug/L	1.0	1		12/04/11 20:23	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/04/11 20:23	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/11 20:23	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/04/11 20:23	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/04/11 20:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/11 20:23	78-93-3	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-12 **Lab ID: 92107338009** Collected: 11/30/11 11:30 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Carbon disulfide	ND	ug/L	2.0	1		12/04/11 20:23	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/11 20:23	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/11 20:23	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/11 20:23	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/11 20:23	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/11 20:23	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/11 20:23	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/11 20:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/11 20:23	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/04/11 20:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 20:23	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 20:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/04/11 20:23	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/11 20:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/11 20:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/11 20:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 20:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 20:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/04/11 20:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 20:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 20:23	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/04/11 20:23	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/04/11 20:23	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/11 20:23	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		12/04/11 20:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/11 20:23	108-10-1	
Styrene	ND	ug/L	1.0	1		12/04/11 20:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 20:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 20:23	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/11 20:23	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/11 20:23	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/11 20:23	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/11 20:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/11 20:23	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/04/11 20:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/04/11 20:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/04/11 20:23	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/04/11 20:23	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/04/11 20:23	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/04/11 20:23	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/04/11 20:23	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		12/04/11 20:23	460-00-4	
Dibromofluoromethane (S)	113	%	70-130	1		12/04/11 20:23	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		12/04/11 20:23	17060-07-0	
Toluene-d8 (S)	95	%	70-130	1		12/04/11 20:23	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-12 **Lab ID: 92107338009** Collected: 11/30/11 11:30 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**40200**	ug/L	5000	1		12/06/11 09:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**124000**	ug/L	25000	1		12/05/11 22:58		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	**15300**	ug/L	5000	1		12/07/11 15:07	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**8030**	ug/L	5000	1		12/11/11 11:34	16887-00-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-13 **Lab ID: 92107338010** Collected: 11/30/11 12:40 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		12/12/11 11:00		
Collected Date	**11/30/11**			1		12/12/11 11:00		
Collected Time	**12:40**			1		12/12/11 11:00		
Field pH	**5.9**	Std. Units		1		12/12/11 11:00		
Field Temperature	**13.3**	deg C		1		12/12/11 11:00		
Static Water Level	**8.96**	feet		1		12/12/11 11:00		
Field Specific Conductance	**127**	umhos/cm		1		12/12/11 11:00		
Oxygen, Dissolved	**6.9**	mg/L		1		12/12/11 11:00	7782-44-7	
Total Well Depth	**20.0**	feet		1		12/12/11 11:00		
REDOX	**239**	mV		1		12/12/11 11:00		
Turbidity	**223**	NTU		1		12/12/11 11:00		
Odor	**NONE**			1		12/12/11 11:00		
Appearance	**TURBID**			1		12/12/11 11:00		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:40	7440-36-0	
Arsenic	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:40	7440-38-2	
Barium	**139**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:40	7440-39-3	
Beryllium	**2.3**	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:40	7440-41-7	
Cadmium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:40	7440-43-9	
Chromium	**5.5**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:40	7440-47-3	
Cobalt	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:40	7440-48-4	
Copper	**6.1**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:40	7440-50-8	
Iron	**6140**	ug/L	50.0	1	12/02/11 14:45	12/07/11 17:40	7439-89-6	
Lead	**6.4**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:40	7439-92-1	
Manganese	**140**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:40	7439-96-5	
Nickel	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:40	7440-02-0	
Selenium	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:40	7782-49-2	
Silver	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:40	7440-22-4	
Sodium	**20200**	ug/L	5000	1	12/02/11 14:45	12/07/11 17:40	7440-23-5	
Thallium	ND	ug/L	5.4	1	12/02/11 14:45	12/07/11 17:40	7440-28-0	
Vanadium	**10.8**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:40	7440-62-2	
Zinc	**31.6**	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:40	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/05/11 14:25	12/06/11 14:53	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/04/11 20:48	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/04/11 20:48	107-13-1	
Benzene	ND	ug/L	1.0	1		12/04/11 20:48	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/04/11 20:48	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/11 20:48	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/04/11 20:48	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/04/11 20:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/11 20:48	78-93-3	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-13 **Lab ID: 92107338010** Collected: 11/30/11 12:40 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Carbon disulfide	ND	ug/L	2.0	1		12/04/11 20:48	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/11 20:48	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/11 20:48	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/11 20:48	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/11 20:48	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/11 20:48	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/11 20:48	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/11 20:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/11 20:48	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/04/11 20:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 20:48	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 20:48	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/04/11 20:48	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/11 20:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/11 20:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/11 20:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 20:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 20:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/04/11 20:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 20:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 20:48	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/04/11 20:48	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/04/11 20:48	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/11 20:48	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		12/04/11 20:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/11 20:48	108-10-1	
Styrene	ND	ug/L	1.0	1		12/04/11 20:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 20:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 20:48	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/11 20:48	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/11 20:48	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/11 20:48	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/11 20:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/11 20:48	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/04/11 20:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/04/11 20:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/04/11 20:48	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/04/11 20:48	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/04/11 20:48	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/04/11 20:48	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/04/11 20:48	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%	70-130	1		12/04/11 20:48	460-00-4	
Dibromofluoromethane (S)	115	%	70-130	1		12/04/11 20:48	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		12/04/11 20:48	17060-07-0	
Toluene-d8 (S)	94	%	70-130	1		12/04/11 20:48	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-13 **Lab ID: 92107338010** Collected: 11/30/11 12:40 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**44500**	ug/L	5000	1		12/06/11 09:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**159000**	ug/L	25000	1		12/05/11 22:58		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	**9460**	ug/L	5000	1		12/07/11 15:21	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	ND	ug/L	5000	1		12/11/11 11:35	16887-00-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-3R **Lab ID: 92107338011** Collected: 11/30/11 13:50 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		12/12/11 11:01		
Collected Date	**11/30/11**			1		12/12/11 11:01		
Collected Time	**13:50**			1		12/12/11 11:01		
Field pH	**6.0**	Std. Units		1		12/12/11 11:01		
Field Temperature	**13.8**	deg C		1		12/12/11 11:01		
Static Water Level	**22.08**	feet		1		12/12/11 11:01		
Field Specific Conductance	**306**	umhos/cm		1		12/12/11 11:01		
Oxygen, Dissolved	**3.1**	mg/L		1		12/12/11 11:01	7782-44-7	
Total Well Depth	**27.0**	feet		1		12/12/11 11:01		
REDOX	**71**	mV		1		12/12/11 11:01		
Turbidity	**4**	NTU		1		12/12/11 11:01		
Odor	**NONE**			1		12/12/11 11:01		
Appearance	**CLEAR**			1		12/12/11 11:01		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:43	7440-36-0	
Arsenic	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:43	7440-38-2	
Barium	**237**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:43	7440-39-3	
Beryllium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:43	7440-41-7	
Cadmium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:43	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:43	7440-47-3	
Cobalt	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:43	7440-48-4	
Copper	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:43	7440-50-8	
Iron	**40300**	ug/L	50.0	1	12/02/11 14:45	12/07/11 17:43	7439-89-6	
Lead	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:43	7439-92-1	
Manganese	**7310**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:43	7439-96-5	
Nickel	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:43	7440-02-0	
Selenium	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:43	7782-49-2	
Silver	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:43	7440-22-4	
Sodium	ND	ug/L	5000	1	12/02/11 14:45	12/07/11 17:43	7440-23-5	
Thallium	ND	ug/L	5.4	1	12/02/11 14:45	12/07/11 17:43	7440-28-0	
Vanadium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:43	7440-62-2	
Zinc	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:43	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/05/11 14:25	12/06/11 14:55	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/04/11 21:13	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/04/11 21:13	107-13-1	
Benzene	ND	ug/L	1.0	1		12/04/11 21:13	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/04/11 21:13	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/11 21:13	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/04/11 21:13	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/04/11 21:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/11 21:13	78-93-3	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-3R **Lab ID: 92107338011** Collected: 11/30/11 13:50 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Carbon disulfide	ND	ug/L	2.0	1		12/04/11 21:13	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/11 21:13	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/11 21:13	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/11 21:13	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/11 21:13	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/11 21:13	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/11 21:13	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/11 21:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/11 21:13	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/04/11 21:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 21:13	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 21:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/04/11 21:13	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/11 21:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/11 21:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/11 21:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 21:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 21:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/04/11 21:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 21:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 21:13	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/04/11 21:13	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/04/11 21:13	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/11 21:13	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		12/04/11 21:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/11 21:13	108-10-1	
Styrene	ND	ug/L	1.0	1		12/04/11 21:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 21:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 21:13	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/11 21:13	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/11 21:13	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/11 21:13	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/11 21:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/11 21:13	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/04/11 21:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/04/11 21:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/04/11 21:13	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/04/11 21:13	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/04/11 21:13	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/04/11 21:13	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/04/11 21:13	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		12/04/11 21:13	460-00-4	
Dibromofluoromethane (S)	115	%	70-130	1		12/04/11 21:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		12/04/11 21:13	17060-07-0	
Toluene-d8 (S)	93	%	70-130	1		12/04/11 21:13	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-3R **Lab ID: 92107338011** Collected: 11/30/11 13:50 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**155000**	ug/L	5000	1		12/06/11 09:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**180000**	ug/L	25000	1		12/05/11 23:00		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	ND	ug/L	5000	1		12/07/11 16:01	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	ND	ug/L	5000	1		12/11/11 11:36	16887-00-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-7 **Lab ID: 92107338012** Collected: 11/30/11 15:00 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		12/12/11 11:02		
Collected Date	**11/30/11**			1		12/12/11 11:02		
Collected Time	**15:00**			1		12/12/11 11:02		
Field pH	**5.8**	Std. Units		1		12/12/11 11:02		
Field Temperature	**12.3**	deg C		1		12/12/11 11:02		
Static Water Level	**38.80**	feet		1		12/12/11 11:02		
Field Specific Conductance	**158**	umhos/cm		1		12/12/11 11:02		
Oxygen, Dissolved	**4.0**	mg/L		1		12/12/11 11:02	7782-44-7	
Total Well Depth	**48**	feet		1		12/12/11 11:02		
REDOX	**207**	mV		1		12/12/11 11:02		
Turbidity	**3**	NTU		1		12/12/11 11:02		
Odor	**NONE**			1		12/12/11 11:02		
Appearance	**CLEAR**			1		12/12/11 11:02		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:47	7440-36-0	
Arsenic	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:47	7440-38-2	
Barium	**97.1**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:47	7440-39-3	
Beryllium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:47	7440-41-7	
Cadmium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:47	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:47	7440-47-3	
Cobalt	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:47	7440-48-4	
Copper	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:47	7440-50-8	
Iron	ND	ug/L	50.0	1	12/02/11 14:45	12/07/11 17:47	7439-89-6	
Lead	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:47	7439-92-1	
Manganese	**12.7**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:47	7439-96-5	
Nickel	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:47	7440-02-0	
Selenium	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:47	7782-49-2	
Silver	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:47	7440-22-4	
Sodium	**12000**	ug/L	5000	1	12/02/11 14:45	12/07/11 17:47	7440-23-5	
Thallium	ND	ug/L	5.4	1	12/02/11 14:45	12/07/11 17:47	7440-28-0	
Vanadium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:47	7440-62-2	
Zinc	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:47	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/05/11 14:25	12/06/11 14:58	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/04/11 21:39	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/04/11 21:39	107-13-1	
Benzene	ND	ug/L	1.0	1		12/04/11 21:39	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/04/11 21:39	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/11 21:39	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/04/11 21:39	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/04/11 21:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/11 21:39	78-93-3	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-7 **Lab ID: 92107338012** Collected: 11/30/11 15:00 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Carbon disulfide	ND	ug/L	2.0	1		12/04/11 21:39	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/11 21:39	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/11 21:39	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/11 21:39	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/11 21:39	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/11 21:39	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/11 21:39	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/11 21:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/11 21:39	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/04/11 21:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 21:39	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 21:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/04/11 21:39	110-57-6	
1,1-Dichloroethane	**1.9**	ug/L	1.0	1		12/04/11 21:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/11 21:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/11 21:39	75-35-4	
cis-1,2-Dichloroethene	**0.67J**	ug/L	1.0	1		12/04/11 21:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 21:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/04/11 21:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 21:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 21:39	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/04/11 21:39	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/04/11 21:39	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/11 21:39	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		12/04/11 21:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/11 21:39	108-10-1	
Styrene	ND	ug/L	1.0	1		12/04/11 21:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 21:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 21:39	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/11 21:39	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/11 21:39	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/11 21:39	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/11 21:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/11 21:39	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/04/11 21:39	79-01-6	
Trichlorofluoromethane	**0.34J**	ug/L	1.0	1		12/04/11 21:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/04/11 21:39	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/04/11 21:39	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/04/11 21:39	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/04/11 21:39	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/04/11 21:39	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%	70-130	1		12/04/11 21:39	460-00-4	
Dibromofluoromethane (S)	114	%	70-130	1		12/04/11 21:39	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		12/04/11 21:39	17060-07-0	
Toluene-d8 (S)	93	%	70-130	1		12/04/11 21:39	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-7 **Lab ID: 92107338012** Collected: 11/30/11 15:00 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**47700**	ug/L	5000	1		12/06/11 09:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**124000**	ug/L	25000	1		12/05/11 23:01		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	ND	ug/L	5000	1		12/07/11 16:15	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	ND	ug/L	5000	1		12/11/11 11:36	16887-00-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-2R **Lab ID: 92107338013** Collected: 11/30/11 16:05 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		12/12/11 11:09		
Collected Date	**11/30/11**			1		12/12/11 11:09		
Collected Time	**16:05**			1		12/12/11 11:09		
Field pH	**5.9**	Std. Units		1		12/12/11 11:09		
Field Temperature	**12.7**	deg C		1		12/12/11 11:09		
Static Water Level	**8.30**	feet		1		12/12/11 11:09		
Field Specific Conductance	**762**	umhos/cm		1		12/12/11 11:09		
Oxygen, Dissolved	**1.7**	mg/L		1		12/12/11 11:09	7782-44-7	
Total Well Depth	**21**	feet		1		12/12/11 11:09		
REDOX	**95**	mV		1		12/12/11 11:09		
Turbidity	**1**	NTU		1		12/12/11 11:09		
Odor	**NONE**			1		12/12/11 11:09		
Appearance	**CLEAR**			1		12/12/11 11:09		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:50	7440-36-0	
Arsenic	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:50	7440-38-2	
Barium	**351**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:50	7440-39-3	
Beryllium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:50	7440-41-7	
Cadmium	ND	ug/L	1.0	1	12/02/11 14:45	12/07/11 17:50	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:50	7440-47-3	
Cobalt	**11.8**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:50	7440-48-4	
Copper	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:50	7440-50-8	
Iron	**2980**	ug/L	50.0	1	12/02/11 14:45	12/07/11 17:50	7439-89-6	
Lead	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:50	7439-92-1	
Manganese	**7920**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:50	7439-96-5	
Nickel	**20.9**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:50	7440-02-0	
Selenium	ND	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:50	7782-49-2	
Silver	**5.0**	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:50	7440-22-4	
Sodium	**31800**	ug/L	5000	1	12/02/11 14:45	12/07/11 17:50	7440-23-5	
Thallium	ND	ug/L	5.4	1	12/02/11 14:45	12/07/11 17:50	7440-28-0	
Vanadium	ND	ug/L	5.0	1	12/02/11 14:45	12/07/11 17:50	7440-62-2	
Zinc	**33.3**	ug/L	10.0	1	12/02/11 14:45	12/07/11 17:50	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/05/11 14:25	12/06/11 15:01	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	**3.7J**	ug/L	25.0	1		12/04/11 22:04	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/04/11 22:04	107-13-1	
Benzene	**2.0**	ug/L	1.0	1		12/04/11 22:04	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/04/11 22:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/11 22:04	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/04/11 22:04	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/04/11 22:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/11 22:04	78-93-3	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-2R **Lab ID: 92107338013** Collected: 11/30/11 16:05 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Carbon disulfide	ND	ug/L	2.0	1		12/04/11 22:04	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/11 22:04	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/11 22:04	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/11 22:04	75-00-3	
Chloroform	**0.26J**	ug/L	1.0	1		12/04/11 22:04	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/11 22:04	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/11 22:04	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/11 22:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/11 22:04	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/04/11 22:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 22:04	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 22:04	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/04/11 22:04	110-57-6	
1,1-Dichloroethane	**1.2**	ug/L	1.0	1		12/04/11 22:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/11 22:04	107-06-2	
1,1-Dichloroethene	**38.7**	ug/L	1.0	1		12/04/11 22:04	75-35-4	
cis-1,2-Dichloroethene	**0.46J**	ug/L	1.0	1		12/04/11 22:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 22:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/04/11 22:04	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 22:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 22:04	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/04/11 22:04	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/04/11 22:04	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/11 22:04	74-88-4	
Methylene Chloride	**3.5**	ug/L	1.0	1		12/04/11 22:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/11 22:04	108-10-1	
Styrene	ND	ug/L	1.0	1		12/04/11 22:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 22:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 22:04	79-34-5	
Tetrachloroethene	**1.8**	ug/L	1.0	1		12/04/11 22:04	127-18-4	
Tetrahydrofuran	**197**	ug/L	10.0	1		12/04/11 22:04	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/11 22:04	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/11 22:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/11 22:04	79-00-5	
Trichloroethene	**0.88J**	ug/L	1.0	1		12/04/11 22:04	79-01-6	
Trichlorofluoromethane	**20.1**	ug/L	1.0	1		12/04/11 22:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/04/11 22:04	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/04/11 22:04	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/04/11 22:04	75-01-4	
m&p-Xylene	**0.66J**	ug/L	2.0	1		12/04/11 22:04	179601-23-1	
o-Xylene	**1.2**	ug/L	1.0	1		12/04/11 22:04	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		12/04/11 22:04	460-00-4	
Dibromofluoromethane (S)	110	%	70-130	1		12/04/11 22:04	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		12/04/11 22:04	17060-07-0	
Toluene-d8 (S)	93	%	70-130	1		12/04/11 22:04	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-2R **Lab ID: 92107338013** Collected: 11/30/11 16:05 Received: 11/30/11 18:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**219000**	ug/L	5000	1		12/06/11 09:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**498000**	ug/L	25000	1		12/05/11 23:02		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	**96300**	ug/L	25000	5		12/08/11 08:28	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**62400**	ug/L	25000	5		12/12/11 13:33	16887-00-6	M1

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: TRIP BLANK **Lab ID: 92107338014** Collected: 11/28/11 08:00 Received: 12/01/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	**6.6J**	ug/L	25.0	1		12/04/11 22:30	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/04/11 22:30	107-13-1	
Benzene	ND	ug/L	1.0	1		12/04/11 22:30	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/04/11 22:30	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/11 22:30	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/04/11 22:30	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/04/11 22:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/11 22:30	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		12/04/11 22:30	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/11 22:30	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/11 22:30	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/11 22:30	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/11 22:30	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/11 22:30	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/11 22:30	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/11 22:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/11 22:30	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/04/11 22:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 22:30	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 22:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/04/11 22:30	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/11 22:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/11 22:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/11 22:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 22:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 22:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/04/11 22:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 22:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 22:30	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/04/11 22:30	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/04/11 22:30	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/11 22:30	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		12/04/11 22:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/11 22:30	108-10-1	
Styrene	ND	ug/L	1.0	1		12/04/11 22:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 22:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 22:30	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/11 22:30	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/11 22:30	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/11 22:30	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/11 22:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/11 22:30	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/04/11 22:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/04/11 22:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/04/11 22:30	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/04/11 22:30	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/04/11 22:30	75-01-4	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: TRIP BLANK **Lab ID: 92107338014** Collected: 11/28/11 08:00 Received: 12/01/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
m&p-Xylene	ND	ug/L	2.0	1		12/04/11 22:30	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/04/11 22:30	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		12/04/11 22:30	460-00-4	
Dibromofluoromethane (S)	117	%	70-130	1		12/04/11 22:30	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		12/04/11 22:30	17060-07-0	
Toluene-d8 (S)	93	%	70-130	1		12/04/11 22:30	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-4R **Lab ID: 92107338015** Collected: 12/01/11 10:05 Received: 12/01/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		12/12/11 11:10		
Collected Date	**12/01/11**			1		12/12/11 11:10		
Collected Time	**10:05**			1		12/12/11 11:10		
Field pH	**5.9**	Std. Units		1		12/12/11 11:10		
Field Temperature	**12.5**	deg C		1		12/12/11 11:10		
Static Water Level	**9.33**	feet		1		12/12/11 11:10		
Field Specific Conductance	**490**	umhos/cm		1		12/12/11 11:10		
Oxygen, Dissolved	**2.3**	mg/L		1		12/12/11 11:10	7782-44-7	
Total Well Depth	**20**	feet		1		12/12/11 11:10		
REDOX	**175**	mV		1		12/12/11 11:10		
Turbidity	**40**	NTU		1		12/12/11 11:10		
Odor	**NONE**			1		12/12/11 11:10		
Appearance	**HAZY**			1		12/12/11 11:10		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:10	7440-36-0	
Arsenic	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:10	7440-38-2	
Barium	**328**	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:10	7440-39-3	
Beryllium	ND	ug/L	1.0	1	12/06/11 09:45	12/08/11 14:46	7440-41-7	
Cadmium	ND	ug/L	1.0	1	12/06/11 09:45	12/08/11 00:10	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:10	7440-47-3	
Cobalt	**15.0**	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:10	7440-48-4	
Copper	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:10	7440-50-8	
Iron	**368**	ug/L	50.0	1	12/06/11 09:45	12/08/11 00:10	7439-89-6	
Lead	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:10	7439-92-1	
Manganese	**257**	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:10	7439-96-5	
Nickel	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:10	7440-02-0	
Selenium	ND	ug/L	10.0	1	12/06/11 09:45	12/08/11 00:10	7782-49-2	
Silver	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:10	7440-22-4	
Sodium	**35300**	ug/L	5000	1	12/06/11 09:45	12/08/11 00:10	7440-23-5	
Thallium	ND	ug/L	5.4	1	12/06/11 09:45	12/08/11 00:10	7440-28-0	
Vanadium	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:10	7440-62-2	
Zinc	ND	ug/L	10.0	1	12/06/11 09:45	12/08/11 00:10	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/07/11 16:45	12/08/11 12:43	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/04/11 22:55	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/04/11 22:55	107-13-1	
Benzene	ND	ug/L	1.0	1		12/04/11 22:55	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/04/11 22:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/11 22:55	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/04/11 22:55	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/04/11 22:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/11 22:55	78-93-3	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-4R **Lab ID: 92107338015** Collected: 12/01/11 10:05 Received: 12/01/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Carbon disulfide	ND	ug/L	2.0	1		12/04/11 22:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/11 22:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/11 22:55	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/11 22:55	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/11 22:55	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/11 22:55	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/11 22:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/11 22:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/11 22:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/04/11 22:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 22:55	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 22:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/04/11 22:55	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/11 22:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/11 22:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/11 22:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 22:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 22:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/04/11 22:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 22:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 22:55	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/04/11 22:55	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/04/11 22:55	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/11 22:55	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		12/04/11 22:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/11 22:55	108-10-1	
Styrene	ND	ug/L	1.0	1		12/04/11 22:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 22:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 22:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/11 22:55	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/11 22:55	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/11 22:55	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/11 22:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/11 22:55	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/04/11 22:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/04/11 22:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/04/11 22:55	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/04/11 22:55	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/04/11 22:55	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/04/11 22:55	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/04/11 22:55	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	93	%	70-130	1		12/04/11 22:55	460-00-4	
Dibromofluoromethane (S)	116	%	70-130	1		12/04/11 22:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		12/04/11 22:55	17060-07-0	
Toluene-d8 (S)	93	%	70-130	1		12/04/11 22:55	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-4R **Lab ID: 92107338015** Collected: 12/01/11 10:05 Received: 12/01/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**143000**	ug/L	5000	1		12/06/11 09:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**345000**	ug/L	25000	1		12/08/11 13:26		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	**61800**	ug/L	10000	2		12/13/11 08:41	14808-79-8	M1
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**29200**	ug/L	5000	1		12/12/11 13:11	16887-00-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-1R **Lab ID: 92107338016** Collected: 12/01/11 11:15 Received: 12/01/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		12/12/11 11:11		
Collected Date	**12/01/11**			1		12/12/11 11:11		
Collected Time	**11:15**			1		12/12/11 11:11		
Field pH	**5.8**	Std. Units		1		12/12/11 11:11		
Field Temperature	**15.4**	deg C		1		12/12/11 11:11		
Static Water Level	**36.80**	feet		1		12/12/11 11:11		
Field Specific Conductance	**97**	umhos/cm		1		12/12/11 11:11		
Oxygen, Dissolved	**5.4**	mg/L		1		12/12/11 11:11	7782-44-7	
Total Well Depth	**60**	feet		1		12/12/11 11:11		
REDOX	**218**	mV		1		12/12/11 11:11		
Turbidity	**2**	NTU		1		12/12/11 11:11		
Odor	**NONE**			1		12/12/11 11:11		
Appearance	**CLEAR**			1		12/12/11 11:11		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:15	7440-36-0	
Arsenic	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:15	7440-38-2	
Barium	**82.6**	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:15	7440-39-3	
Beryllium	ND	ug/L	1.0	1	12/06/11 09:45	12/08/11 14:49	7440-41-7	
Cadmium	ND	ug/L	1.0	1	12/06/11 09:45	12/08/11 00:15	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:15	7440-47-3	
Cobalt	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:15	7440-48-4	
Copper	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:15	7440-50-8	
Iron	ND	ug/L	50.0	1	12/06/11 09:45	12/08/11 00:15	7439-89-6	
Lead	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:15	7439-92-1	
Manganese	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:15	7439-96-5	
Nickel	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:15	7440-02-0	
Selenium	ND	ug/L	10.0	1	12/06/11 09:45	12/08/11 00:15	7782-49-2	
Silver	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:15	7440-22-4	
Sodium	**7670**	ug/L	5000	1	12/06/11 09:45	12/08/11 00:15	7440-23-5	
Thallium	ND	ug/L	5.4	1	12/06/11 09:45	12/08/11 00:15	7440-28-0	
Vanadium	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:15	7440-62-2	
Zinc	ND	ug/L	10.0	1	12/06/11 09:45	12/08/11 00:15	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/07/11 16:45	12/08/11 12:45	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/04/11 23:21	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/04/11 23:21	107-13-1	
Benzene	ND	ug/L	1.0	1		12/04/11 23:21	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/04/11 23:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/11 23:21	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/04/11 23:21	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/04/11 23:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/11 23:21	78-93-3	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-1R **Lab ID: 92107338016** Collected: 12/01/11 11:15 Received: 12/01/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Carbon disulfide	ND	ug/L	2.0	1		12/04/11 23:21	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/11 23:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/11 23:21	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/11 23:21	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/11 23:21	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/11 23:21	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/11 23:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/11 23:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/11 23:21	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/04/11 23:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 23:21	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 23:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/04/11 23:21	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/11 23:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/11 23:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/11 23:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 23:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 23:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/04/11 23:21	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 23:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 23:21	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/04/11 23:21	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/04/11 23:21	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/11 23:21	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		12/04/11 23:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/11 23:21	108-10-1	
Styrene	ND	ug/L	1.0	1		12/04/11 23:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 23:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 23:21	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/11 23:21	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/11 23:21	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/11 23:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/11 23:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/11 23:21	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/04/11 23:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/04/11 23:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/04/11 23:21	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/04/11 23:21	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/04/11 23:21	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/04/11 23:21	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/04/11 23:21	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		12/04/11 23:21	460-00-4	
Dibromofluoromethane (S)	115	%	70-130	1		12/04/11 23:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		12/04/11 23:21	17060-07-0	
Toluene-d8 (S)	93	%	70-130	1		12/04/11 23:21	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-1R **Lab ID: 92107338016** Collected: 12/01/11 11:15 Received: 12/01/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**27500**	ug/L	5000	1		12/06/11 09:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**95000**	ug/L	25000	1		12/08/11 13:28		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	ND	ug/L	5000	1		12/12/11 18:11	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	ND	ug/L	5000	1		12/12/11 13:13	16887-00-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-5R **Lab ID: 92107338017** Collected: 12/01/11 13:35 Received: 12/01/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		12/12/11 11:12		
Collected Date	**12/01/11**			1		12/12/11 11:12		
Collected Time	**13:35**			1		12/12/11 11:12		
Field pH	**5.7**	Std. Units		1		12/12/11 11:12		
Field Temperature	**15.2**	deg C		1		12/12/11 11:12		
Static Water Level	**11.20**	feet		1		12/12/11 11:12		
Field Specific Conductance	**177**	umhos/cm		1		12/12/11 11:12		
Oxygen, Dissolved	**6.2**	mg/L		1		12/12/11 11:12	7782-44-7	
Total Well Depth	**30**	feet		1		12/12/11 11:12		
REDOX	**200**	mV		1		12/12/11 11:12		
Turbidity	**90**	NTU		1		12/12/11 11:12		
Odor	**NONE**			1		12/12/11 11:12		
Appearance	**CLOUDY**			1		12/12/11 11:12		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:36	7440-36-0	
Arsenic	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:36	7440-38-2	
Barium	**85.2**	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:36	7440-39-3	
Beryllium	ND	ug/L	1.0	1	12/06/11 09:45	12/08/11 14:53	7440-41-7	
Cadmium	ND	ug/L	1.0	1	12/06/11 09:45	12/08/11 00:36	7440-43-9	
Chromium	**14.7**	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:36	7440-47-3	
Cobalt	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:36	7440-48-4	
Copper	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:36	7440-50-8	
Iron	**3540**	ug/L	50.0	1	12/06/11 09:45	12/08/11 00:36	7439-89-6	
Lead	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:36	7439-92-1	
Manganese	**43.5**	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:36	7439-96-5	
Nickel	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:36	7440-02-0	
Selenium	ND	ug/L	10.0	1	12/06/11 09:45	12/08/11 00:36	7782-49-2	
Silver	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:36	7440-22-4	
Sodium	**13300**	ug/L	5000	1	12/06/11 09:45	12/08/11 00:36	7440-23-5	
Thallium	ND	ug/L	5.4	1	12/06/11 09:45	12/08/11 00:36	7440-28-0	
Vanadium	**13.0**	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:36	7440-62-2	
Zinc	**15.3**	ug/L	10.0	1	12/06/11 09:45	12/08/11 00:36	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/07/11 16:45	12/08/11 12:48	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/04/11 23:46	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/04/11 23:46	107-13-1	
Benzene	ND	ug/L	1.0	1		12/04/11 23:46	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/04/11 23:46	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/04/11 23:46	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/04/11 23:46	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/04/11 23:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/04/11 23:46	78-93-3	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-5R **Lab ID: 92107338017** Collected: 12/01/11 13:35 Received: 12/01/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Carbon disulfide	ND	ug/L	2.0	1		12/04/11 23:46	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/04/11 23:46	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/04/11 23:46	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/04/11 23:46	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/04/11 23:46	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/04/11 23:46	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/04/11 23:46	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/04/11 23:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/04/11 23:46	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/04/11 23:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 23:46	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/04/11 23:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/04/11 23:46	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/04/11 23:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/04/11 23:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/04/11 23:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 23:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/04/11 23:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/04/11 23:46	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 23:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/04/11 23:46	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/04/11 23:46	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/04/11 23:46	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/04/11 23:46	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		12/04/11 23:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/04/11 23:46	108-10-1	
Styrene	ND	ug/L	1.0	1		12/04/11 23:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 23:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/04/11 23:46	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/04/11 23:46	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/04/11 23:46	109-99-9	
Toluene	ND	ug/L	1.0	1		12/04/11 23:46	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/04/11 23:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/04/11 23:46	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/04/11 23:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/04/11 23:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/04/11 23:46	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/04/11 23:46	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/04/11 23:46	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/04/11 23:46	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/04/11 23:46	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	93	%	70-130	1		12/04/11 23:46	460-00-4	
Dibromofluoromethane (S)	118	%	70-130	1		12/04/11 23:46	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		12/04/11 23:46	17060-07-0	
Toluene-d8 (S)	93	%	70-130	1		12/04/11 23:46	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: MW-5R **Lab ID: 92107338017** Collected: 12/01/11 13:35 Received: 12/01/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**32800**	ug/L	5000	1		12/06/11 09:20		
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**139000**	ug/L	25000	1		12/08/11 13:30		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	**7020**	ug/L	5000	1		12/12/11 18:25	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**16400**	ug/L	5000	1		12/12/11 13:13	16887-00-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: SW-3 **Lab ID: 92107338018** Collected: 12/01/11 14:00 Received: 12/01/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		12/12/11 11:13		
Collected Date	**12/01/11**			1		12/12/11 11:13		
Collected Time	**14:00**			1		12/12/11 11:13		
Field pH	**6.4**	Std. Units		1		12/12/11 11:13		
Field Temperature	**11.4**	deg C		1		12/12/11 11:13		
Field Specific Conductance	**415**	umhos/cm		1		12/12/11 11:13		
Oxygen, Dissolved	**5.1**	mg/L		1		12/12/11 11:13	7782-44-7	
REDOX	**-1**	mV		1		12/12/11 11:13		
Turbidity	**14**	NTU		1		12/12/11 11:13		
Odor	**NONE**			1		12/12/11 11:13		
Appearance	**CLEAR**			1		12/12/11 11:13		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:41	7440-36-0	
Arsenic	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:41	7440-38-2	
Barium	**123**	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:41	7440-39-3	
Beryllium	ND	ug/L	1.0	1	12/06/11 09:45	12/08/11 14:56	7440-41-7	
Cadmium	ND	ug/L	1.0	1	12/06/11 09:45	12/08/11 00:41	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:41	7440-47-3	
Cobalt	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:41	7440-48-4	
Copper	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:41	7440-50-8	
Iron	**3230**	ug/L	50.0	1	12/06/11 09:45	12/08/11 00:41	7439-89-6	
Lead	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:41	7439-92-1	
Manganese	**1890**	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:41	7439-96-5	
Nickel	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:41	7440-02-0	
Selenium	ND	ug/L	10.0	1	12/06/11 09:45	12/08/11 00:41	7782-49-2	
Silver	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:41	7440-22-4	
Sodium	**18500**	ug/L	5000	1	12/06/11 09:45	12/08/11 00:41	7440-23-5	
Thallium	ND	ug/L	5.4	1	12/06/11 09:45	12/08/11 00:41	7440-28-0	
Vanadium	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:41	7440-62-2	
Zinc	ND	ug/L	10.0	1	12/06/11 09:45	12/08/11 00:41	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/07/11 16:45	12/08/11 12:51	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/05/11 00:11	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/05/11 00:11	107-13-1	
Benzene	ND	ug/L	1.0	1		12/05/11 00:11	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/05/11 00:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/05/11 00:11	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/05/11 00:11	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/05/11 00:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/05/11 00:11	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		12/05/11 00:11	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/05/11 00:11	56-23-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: SW-3 **Lab ID: 92107338018** Collected: 12/01/11 14:00 Received: 12/01/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/L	1.0	1		12/05/11 00:11	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/05/11 00:11	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/05/11 00:11	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/05/11 00:11	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/05/11 00:11	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/05/11 00:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/05/11 00:11	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/05/11 00:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/05/11 00:11	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/05/11 00:11	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/05/11 00:11	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/05/11 00:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/05/11 00:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/05/11 00:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/05/11 00:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/05/11 00:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/05/11 00:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/05/11 00:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/05/11 00:11	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/05/11 00:11	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/05/11 00:11	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/05/11 00:11	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		12/05/11 00:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/05/11 00:11	108-10-1	
Styrene	ND	ug/L	1.0	1		12/05/11 00:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/05/11 00:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/05/11 00:11	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/05/11 00:11	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/05/11 00:11	109-99-9	
Toluene	ND	ug/L	1.0	1		12/05/11 00:11	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/05/11 00:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/05/11 00:11	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/05/11 00:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/05/11 00:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/05/11 00:11	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/05/11 00:11	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/05/11 00:11	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/05/11 00:11	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/05/11 00:11	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		12/05/11 00:11	460-00-4	
Dibromofluoromethane (S)	116	%	70-130	1		12/05/11 00:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		12/05/11 00:11	17060-07-0	
Toluene-d8 (S)	94	%	70-130	1		12/05/11 00:11	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**160000**	ug/L	5000	1		12/06/11 09:20		

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: SW-3 **Lab ID: 92107338018** Collected: 12/01/11 14:00 Received: 12/01/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**237000**	ug/L	25000	1		12/08/11 13:32		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	**19800**	ug/L	5000	1		12/12/11 18:38	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**20900**	ug/L	5000	1		12/12/11 13:14	16887-00-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: SW-4 **Lab ID: 92107338019** Collected: 12/01/11 14:30 Received: 12/01/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		12/12/11 11:13		
Collected Date	**12/01/11**			1		12/12/11 11:13		
Collected Time	**14:30**			1		12/12/11 11:13		
Field pH	**6.7**	Std. Units		1		12/12/11 11:13		
Field Temperature	**11.5**	deg C		1		12/12/11 11:13		
Field Specific Conductance	**370**	umhos/cm		1		12/12/11 11:13		
Oxygen, Dissolved	**8.3**	mg/L		1		12/12/11 11:13	7782-44-7	
REDOX	**66**	mV		1		12/12/11 11:13		
Turbidity	**7**	NTU		1		12/12/11 11:13		
Odor	**NONE**			1		12/12/11 11:13		
Appearance	**CLEAR**			1		12/12/11 11:13		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:46	7440-36-0	
Arsenic	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:46	7440-38-2	
Barium	**105**	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:46	7440-39-3	
Beryllium	ND	ug/L	1.0	1	12/06/11 09:45	12/08/11 15:00	7440-41-7	
Cadmium	ND	ug/L	1.0	1	12/06/11 09:45	12/08/11 00:46	7440-43-9	
Chromium	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:46	7440-47-3	
Cobalt	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:46	7440-48-4	
Copper	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:46	7440-50-8	
Iron	**1060**	ug/L	50.0	1	12/06/11 09:45	12/08/11 00:46	7439-89-6	
Lead	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:46	7439-92-1	
Manganese	**1290**	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:46	7439-96-5	
Nickel	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:46	7440-02-0	
Selenium	ND	ug/L	10.0	1	12/06/11 09:45	12/08/11 00:46	7782-49-2	
Silver	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:46	7440-22-4	
Sodium	**17900**	ug/L	5000	1	12/06/11 09:45	12/08/11 00:46	7440-23-5	
Thallium	ND	ug/L	5.4	1	12/06/11 09:45	12/08/11 00:46	7440-28-0	
Vanadium	ND	ug/L	5.0	1	12/06/11 09:45	12/08/11 00:46	7440-62-2	
Zinc	ND	ug/L	10.0	1	12/06/11 09:45	12/08/11 00:46	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	12/07/11 16:45	12/08/11 12:53	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		12/05/11 00:37	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		12/05/11 00:37	107-13-1	
Benzene	ND	ug/L	1.0	1		12/05/11 00:37	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		12/05/11 00:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/05/11 00:37	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/05/11 00:37	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/05/11 00:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/05/11 00:37	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		12/05/11 00:37	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		12/05/11 00:37	56-23-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: SW-4 **Lab ID: 92107338019** Collected: 12/01/11 14:30 Received: 12/01/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/L	1.0	1		12/05/11 00:37	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/05/11 00:37	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/05/11 00:37	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/05/11 00:37	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/05/11 00:37	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/05/11 00:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/05/11 00:37	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/05/11 00:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/05/11 00:37	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/05/11 00:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		12/05/11 00:37	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/05/11 00:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/05/11 00:37	107-06-2	
1,1-Dichloroethene	**0.58J**	ug/L	1.0	1		12/05/11 00:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/05/11 00:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/05/11 00:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/05/11 00:37	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/05/11 00:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/05/11 00:37	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		12/05/11 00:37	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		12/05/11 00:37	591-78-6	
Iodomethane	ND	ug/L	5.0	1		12/05/11 00:37	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		12/05/11 00:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/05/11 00:37	108-10-1	
Styrene	ND	ug/L	1.0	1		12/05/11 00:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/05/11 00:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/05/11 00:37	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/05/11 00:37	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/05/11 00:37	109-99-9	
Toluene	ND	ug/L	1.0	1		12/05/11 00:37	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/05/11 00:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/05/11 00:37	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		12/05/11 00:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/05/11 00:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/05/11 00:37	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/05/11 00:37	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/05/11 00:37	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/05/11 00:37	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/05/11 00:37	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%	70-130	1		12/05/11 00:37	460-00-4	
Dibromofluoromethane (S)	115	%	70-130	1		12/05/11 00:37	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		12/05/11 00:37	17060-07-0	
Toluene-d8 (S)	94	%	70-130	1		12/05/11 00:37	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**131000**	ug/L	5000	1		12/06/11 09:20		

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 92107338

Sample: SW-4 **Lab ID: 92107338019** Collected: 12/01/11 14:30 Received: 12/01/11 16:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	**234000**	ug/L	25000	1		12/08/11 13:33		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Sulfate	**19500**	ug/L	5000	1		12/12/11 18:52	14808-79-8	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**23600**	ug/L	5000	1		12/12/11 13:15	16887-00-6	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

QC Batch: MERP/3896 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 92107338002, 92107338003, 92107338004, 92107338005, 92107338006, 92107338007

METHOD BLANK: 693029 Matrix: Water
Associated Lab Samples: 92107338002, 92107338003, 92107338004, 92107338005, 92107338006, 92107338007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	12/02/11 11:31	

LABORATORY CONTROL SAMPLE: 693030

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.0	82	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 693031 693032

Parameter	Units	92107298006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	0.47J	2.5	2.5	2.0	2.0	62	61	75-125	2	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 693738 693739

Parameter	Units	92107306001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	2.8	2.5	2.5	3.8	3.6	41	34	75-125	5	M1

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

QC Batch: MERP/3902 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 92107338008, 92107338009, 92107338010, 92107338011, 92107338012, 92107338013

METHOD BLANK: 694378 Matrix: Water
Associated Lab Samples: 92107338008, 92107338009, 92107338010, 92107338011, 92107338012, 92107338013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	12/06/11 14:16	

LABORATORY CONTROL SAMPLE: 694379

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 694380 694381

Parameter	Units	92107473004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.5	2.5	98	100	75-125	2	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 694382 694383

Parameter	Units	92107486001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.6	2.6	102	104	75-125	2	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

QC Batch: MERP/3907 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 92107338015, 92107338016, 92107338017, 92107338018, 92107338019

METHOD BLANK: 695577 Matrix: Water
Associated Lab Samples: 92107338015, 92107338016, 92107338017, 92107338018, 92107338019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	12/08/11 11:50	

LABORATORY CONTROL SAMPLE: 695578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.2	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 695579 695580

Parameter	Units	92107636001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	ND	2.5	2.5	1.6	1.6	63	63	75-125	1	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 695581 695582

Parameter	Units	92107636002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	ND	2.5	2.5	1.9	1.9	73	73	75-125	1	M1

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

QC Batch: MPRP/9501 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92107338002, 92107338003, 92107338004, 92107338005, 92107338006, 92107338007, 92107338008, 92107338009, 92107338010, 92107338011, 92107338012, 92107338013

METHOD BLANK: 694117 | Matrix: Water
Associated Lab Samples: 92107338002, 92107338003, 92107338004, 92107338005, 92107338006, 92107338007, 92107338008, 92107338009, 92107338010, 92107338011, 92107338012, 92107338013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	12/07/11 16:43	
Arsenic	ug/L	ND	5.0	12/07/11 16:43	
Barium	ug/L	ND	5.0	12/07/11 16:43	
Beryllium	ug/L	ND	1.0	12/07/11 16:43	
Cadmium	ug/L	ND	1.0	12/07/11 16:43	
Chromium	ug/L	ND	5.0	12/07/11 16:43	
Cobalt	ug/L	ND	5.0	12/07/11 16:43	
Copper	ug/L	ND	5.0	12/07/11 16:43	
Iron	ug/L	ND	50.0	12/07/11 16:43	
Lead	ug/L	ND	5.0	12/07/11 16:43	
Manganese	ug/L	ND	5.0	12/07/11 16:43	
Nickel	ug/L	ND	5.0	12/07/11 16:43	
Selenium	ug/L	ND	10.0	12/07/11 16:43	
Silver	ug/L	ND	5.0	12/07/11 16:43	
Sodium	ug/L	ND	5000	12/07/11 16:43	
Thallium	ug/L	ND	5.4	12/07/11 16:43	
Vanadium	ug/L	ND	5.0	12/07/11 16:43	
Zinc	ug/L	ND	10.0	12/07/11 16:43	

LABORATORY CONTROL SAMPLE: 694118

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	469	94	80-120	
Arsenic	ug/L	500	479	96	80-120	
Barium	ug/L	500	478	96	80-120	
Beryllium	ug/L	500	495	99	80-120	
Cadmium	ug/L	500	478	96	80-120	
Chromium	ug/L	500	483	97	80-120	
Cobalt	ug/L	500	479	96	80-120	
Copper	ug/L	500	483	97	80-120	
Iron	ug/L	5000	4890	98	80-120	
Lead	ug/L	500	485	97	80-120	
Manganese	ug/L	500	477	95	80-120	
Nickel	ug/L	500	476	95	80-120	
Selenium	ug/L	500	475	95	80-120	
Silver	ug/L	250	241	96	80-120	
Sodium	ug/L	5000	ND	97	80-120	
Thallium	ug/L	500	462	92	80-120	
Vanadium	ug/L	500	473	95	80-120	
Zinc	ug/L	500	475	95	80-120	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 694119 694120

Parameter	Units	92107486001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Antimony	ug/L	ND	500	500	464	461	93	92	75-125	1	
Arsenic	ug/L	ND	500	500	477	478	95	96	75-125	0	
Barium	ug/L	45.9	500	500	510	507	93	92	75-125	1	
Beryllium	ug/L	ND	500	500	499	496	100	99	75-125	1	
Cadmium	ug/L	ND	500	500	469	467	94	93	75-125	0	
Chromium	ug/L	ND	500	500	480	479	96	96	75-125	0	
Cobalt	ug/L	ND	500	500	469	466	94	93	75-125	1	
Copper	ug/L	ND	500	500	479	477	96	95	75-125	0	
Iron	ug/L	ND	5000	5000	4830	4810	96	95	75-125	0	
Lead	ug/L	ND	500	500	466	463	93	93	75-125	1	
Manganese	ug/L	6.8	500	500	477	472	94	93	75-125	1	
Nickel	ug/L	ND	500	500	465	462	93	92	75-125	1	
Selenium	ug/L	ND	500	500	470	469	94	94	75-125	0	
Silver	ug/L	ND	250	250	239	238	95	95	75-125	0	
Sodium	ug/L	5060	5000	5000	10600	10500	112	109	75-125	1	
Thallium	ug/L	ND	500	500	448	451	89	90	75-125	1	
Vanadium	ug/L	ND	500	500	468	465	93	93	75-125	1	
Zinc	ug/L	ND	500	500	480	477	95	95	75-125	1	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

QC Batch: MPRP/9521 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92107338015, 92107338016, 92107338017, 92107338018, 92107338019

METHOD BLANK: 695476 Matrix: Water
Associated Lab Samples: 92107338015, 92107338016, 92107338017, 92107338018, 92107338019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	12/07/11 22:48	
Arsenic	ug/L	ND	5.0	12/07/11 22:48	
Barium	ug/L	ND	5.0	12/07/11 22:48	
Beryllium	ug/L	ND	1.0	12/07/11 22:48	
Cadmium	ug/L	ND	1.0	12/07/11 22:48	
Chromium	ug/L	ND	5.0	12/07/11 22:48	
Cobalt	ug/L	ND	5.0	12/07/11 22:48	
Copper	ug/L	ND	5.0	12/07/11 22:48	
Iron	ug/L	ND	50.0	12/07/11 22:48	
Lead	ug/L	ND	5.0	12/07/11 22:48	
Manganese	ug/L	ND	5.0	12/07/11 22:48	
Nickel	ug/L	ND	5.0	12/07/11 22:48	
Selenium	ug/L	ND	10.0	12/07/11 22:48	
Silver	ug/L	ND	5.0	12/07/11 22:48	
Sodium	ug/L	ND	5000	12/07/11 22:48	
Thallium	ug/L	ND	5.4	12/07/11 22:48	
Vanadium	ug/L	ND	5.0	12/07/11 22:48	
Zinc	ug/L	ND	10.0	12/07/11 22:48	

LABORATORY CONTROL SAMPLE: 695477

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	440	88	80-120	
Arsenic	ug/L	500	465	93	80-120	
Barium	ug/L	500	447	89	80-120	
Beryllium	ug/L	500	481	96	80-120	
Cadmium	ug/L	500	448	90	80-120	
Chromium	ug/L	500	458	92	80-120	
Cobalt	ug/L	500	441	88	80-120	
Copper	ug/L	500	459	92	80-120	
Iron	ug/L	5000	4680	94	80-120	
Lead	ug/L	500	475	95	80-120	
Manganese	ug/L	500	449	90	80-120	
Nickel	ug/L	500	442	88	80-120	
Selenium	ug/L	500	457	91	80-120	
Silver	ug/L	250	229	92	80-120	
Sodium	ug/L	5000	ND	92	80-120	
Thallium	ug/L	500	433	87	80-120	
Vanadium	ug/L	500	440	88	80-120	
Zinc	ug/L	500	466	93	80-120	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

MATRIX SPIKE SAMPLE: 695478

Parameter	Units	92107487001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	443	89	75-125	
Arsenic	ug/L	ND	500	469	94	75-125	
Barium	ug/L	7.4	500	457	90	75-125	
Beryllium	ug/L	ND	500	489	98	75-125	
Cadmium	ug/L	ND	500	448	90	75-125	
Chromium	ug/L	ND	500	460	92	75-125	
Cobalt	ug/L	ND	500	442	88	75-125	
Copper	ug/L	ND	500	462	92	75-125	
Iron	ug/L	115	5000	4660	91	75-125	
Lead	ug/L	ND	500	473	94	75-125	
Manganese	ug/L	9.8	500	457	89	75-125	
Nickel	ug/L	ND	500	442	88	75-125	
Selenium	ug/L	ND	500	455	91	75-125	
Silver	ug/L	ND	250	232	92	75-125	
Sodium	ug/L	ND	5000	5980	96	75-125	
Thallium	ug/L	ND	500	435	87	75-125	
Vanadium	ug/L	ND	500	444	89	75-125	
Zinc	ug/L	ND	500	466	93	75-125	

SAMPLE DUPLICATE: 695479

Parameter	Units	92107490001 Result	Dup Result	RPD	Qualifiers
Antimony	ug/L	ND	ND		
Arsenic	ug/L	ND	ND		
Barium	ug/L	7.9	7.4	6	
Beryllium	ug/L	ND	ND		
Cadmium	ug/L	ND	ND		
Chromium	ug/L	ND	ND		
Cobalt	ug/L	ND	ND		
Copper	ug/L	ND	ND		
Iron	ug/L	198	169	16	
Lead	ug/L	ND	ND		
Manganese	ug/L	10.6	9.8	8	
Nickel	ug/L	ND	ND		
Selenium	ug/L	ND	ND		
Silver	ug/L	ND	ND		
Sodium	ug/L	ND	ND		
Thallium	ug/L	ND	ND		
Vanadium	ug/L	ND	ND		
Zinc	ug/L	ND	ND		

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

QC Batch: MSV/17532 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92107338001, 92107338002, 92107338003, 92107338004, 92107338005, 92107338006, 92107338007, 92107338008, 92107338009, 92107338010, 92107338011, 92107338012, 92107338013, 92107338014, 92107338015, 92107338016, 92107338017, 92107338018, 92107338019

METHOD BLANK: 695188 Matrix: Water
Associated Lab Samples: 92107338001, 92107338002, 92107338003, 92107338004, 92107338005, 92107338006, 92107338007, 92107338008, 92107338009, 92107338010, 92107338011, 92107338012, 92107338013, 92107338014, 92107338015, 92107338016, 92107338017, 92107338018, 92107338019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/04/11 16:34	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/04/11 16:34	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/04/11 16:34	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/04/11 16:34	
1,1-Dichloroethane	ug/L	ND	1.0	12/04/11 16:34	
1,1-Dichloroethene	ug/L	ND	1.0	12/04/11 16:34	
1,2,3-Trichloropropane	ug/L	ND	1.0	12/04/11 16:34	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/04/11 16:34	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/04/11 16:34	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/04/11 16:34	
1,2-Dichloroethane	ug/L	ND	1.0	12/04/11 16:34	
1,2-Dichloropropane	ug/L	ND	1.0	12/04/11 16:34	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/04/11 16:34	
2-Butanone (MEK)	ug/L	ND	5.0	12/04/11 16:34	
2-Hexanone	ug/L	ND	5.0	12/04/11 16:34	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/04/11 16:34	
Acetone	ug/L	ND	25.0	12/04/11 16:34	
Acrylonitrile	ug/L	ND	10.0	12/04/11 16:34	
Benzene	ug/L	ND	1.0	12/04/11 16:34	
Bromochloromethane	ug/L	ND	1.0	12/04/11 16:34	
Bromodichloromethane	ug/L	ND	1.0	12/04/11 16:34	
Bromoform	ug/L	ND	1.0	12/04/11 16:34	
Bromomethane	ug/L	ND	2.0	12/04/11 16:34	
Carbon disulfide	ug/L	ND	2.0	12/04/11 16:34	
Carbon tetrachloride	ug/L	ND	1.0	12/04/11 16:34	
Chlorobenzene	ug/L	ND	1.0	12/04/11 16:34	
Chloroethane	ug/L	ND	1.0	12/04/11 16:34	
Chloroform	ug/L	ND	1.0	12/04/11 16:34	
Chloromethane	ug/L	ND	1.0	12/04/11 16:34	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/04/11 16:34	
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/04/11 16:34	
Dibromochloromethane	ug/L	ND	1.0	12/04/11 16:34	
Dibromomethane	ug/L	ND	1.0	12/04/11 16:34	
Ethylbenzene	ug/L	ND	1.0	12/04/11 16:34	
Iodomethane	ug/L	ND	5.0	12/04/11 16:34	
m&p-Xylene	ug/L	ND	2.0	12/04/11 16:34	
Methylene Chloride	ug/L	ND	1.0	12/04/11 16:34	
o-Xylene	ug/L	ND	1.0	12/04/11 16:34	
Styrene	ug/L	ND	1.0	12/04/11 16:34	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

METHOD BLANK: 695188 Matrix: Water

Associated Lab Samples: 92107338001, 92107338002, 92107338003, 92107338004, 92107338005, 92107338006, 92107338007, 92107338008, 92107338009, 92107338010, 92107338011, 92107338012, 92107338013, 92107338014, 92107338015, 92107338016, 92107338017, 92107338018, 92107338019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	1.0	12/04/11 16:34	
Tetrahydrofuran	ug/L	ND	10.0	12/04/11 16:34	
Toluene	ug/L	ND	1.0	12/04/11 16:34	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/04/11 16:34	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/04/11 16:34	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	12/04/11 16:34	
Trichloroethene	ug/L	ND	1.0	12/04/11 16:34	
Trichlorofluoromethane	ug/L	ND	1.0	12/04/11 16:34	
Vinyl acetate	ug/L	ND	2.0	12/04/11 16:34	
Vinyl chloride	ug/L	ND	1.0	12/04/11 16:34	
1,2-Dichloroethane-d4 (S)	%	102	70-130	12/04/11 16:34	
4-Bromofluorobenzene (S)	%	95	70-130	12/04/11 16:34	
Dibromofluoromethane (S)	%	110	70-130	12/04/11 16:34	
Toluene-d8 (S)	%	94	70-130	12/04/11 16:34	

LABORATORY CONTROL SAMPLE: 695189

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.8	110	70-130	
1,1,1-Trichloroethane	ug/L	50	46.9	94	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.7	101	70-130	
1,1,2-Trichloroethane	ug/L	50	51.9	104	70-130	
1,1-Dichloroethane	ug/L	50	46.3	93	70-130	
1,1-Dichloroethene	ug/L	50	44.5	89	70-132	
1,2,3-Trichloropropane	ug/L	50	48.8	98	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.4	99	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.6	101	70-130	
1,2-Dichlorobenzene	ug/L	50	52.0	104	70-130	
1,2-Dichloroethane	ug/L	50	47.4	95	70-130	
1,2-Dichloropropane	ug/L	50	47.7	95	70-130	
1,4-Dichlorobenzene	ug/L	50	51.4	103	70-130	
2-Butanone (MEK)	ug/L	100	133	133	70-145	F3
2-Hexanone	ug/L	100	111	111	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	103	103	70-140	
Acetone	ug/L	100	124	124	50-175	
Acrylonitrile	ug/L	250	215	86	70-143	F3
Benzene	ug/L	50	47.5	95	70-130	
Bromochloromethane	ug/L	50	48.2	96	70-130	
Bromodichloromethane	ug/L	50	53.3	107	70-130	
Bromoform	ug/L	50	52.4	105	70-130	
Bromomethane	ug/L	50	45.1	90	54-130	
Carbon disulfide	ug/L	50	43.3	87	70-131	
Carbon tetrachloride	ug/L	50	61.4	123	70-132	
Chlorobenzene	ug/L	50	51.2	102	70-130	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

LABORATORY CONTROL SAMPLE: 695189

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	50	42.0	84	64-134	
Chloroform	ug/L	50	47.9	96	70-130	
Chloromethane	ug/L	50	43.4	87	64-130	
cis-1,2-Dichloroethene	ug/L	50	46.3	93	70-131	
cis-1,3-Dichloropropene	ug/L	50	52.7	105	70-130	
Dibromochloromethane	ug/L	50	56.3	113	70-130	
Dibromomethane	ug/L	50	52.3	105	70-131	
Ethylbenzene	ug/L	50	50.4	101	70-130	
Iodomethane	ug/L	100	111	111	49-180	
m&p-Xylene	ug/L	100	101	101	70-130	
Methylene Chloride	ug/L	50	48.5	97	63-130	
o-Xylene	ug/L	50	50.7	101	70-130	
Styrene	ug/L	50	51.8	104	70-130	
Tetrachloroethene	ug/L	50	49.3	99	70-130	
Tetrahydrofuran	ug/L	500	578	116	70-130	
Toluene	ug/L	50	48.9	98	70-130	
trans-1,2-Dichloroethene	ug/L	50	45.1	90	70-130	
trans-1,3-Dichloropropene	ug/L	50	53.8	108	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	66.5	133	70-141	F3
Trichloroethene	ug/L	50	48.1	96	70-130	
Trichlorofluoromethane	ug/L	50	43.7	87	62-133	
Vinyl acetate	ug/L	100	80.6	81	66-157	
Vinyl chloride	ug/L	50	48.2	96	69-130	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 695190 695191

Parameter	Units	92107338019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1-Dichloroethene	ug/L	0.58J	50	50	51.2	52.5	101	104	70-166	2	
Benzene	ug/L	ND	50	50	51.3	52.6	103	105	70-148	2	
Chlorobenzene	ug/L	ND	50	50	50.1	51.0	100	102	70-146	2	
Toluene	ug/L	ND	50	50	47.6	48.9	95	98	70-155	3	
Trichloroethene	ug/L	ND	50	50	52.8	53.7	106	107	69-151	2	
1,2-Dichloroethane-d4 (S)	%						105	107	70-130		
4-Bromofluorobenzene (S)	%						97	96	70-130		
Dibromofluoromethane (S)	%						114	114	70-130		
Toluene-d8 (S)	%						96	97	70-130		

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

QC Batch: WET/18857 Analysis Method: SM 2320B
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 92107338002, 92107338003, 92107338004, 92107338005, 92107338006, 92107338007, 92107338008

METHOD BLANK: 695003 Matrix: Water
Associated Lab Samples: 92107338002, 92107338003, 92107338004, 92107338005, 92107338006, 92107338007, 92107338008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	ug/L	ND	5000	12/03/11 11:25	

LABORATORY CONTROL SAMPLE: 695004

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	ug/L	50000	45600	91	90-110	

SAMPLE DUPLICATE: 695005

Parameter	Units	92107390001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	ug/L	66.3 mg/L	67400	2	

SAMPLE DUPLICATE: 695006

Parameter	Units	92107292002 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	ug/L	10.9 mg/L	12000	10	

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9800 Kincey Ave. Suite 100
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(704)875-9092

QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

QC Batch: WET/18867 | Analysis Method: SM 2320B
QC Batch Method: SM 2320B | Analysis Description: 2320B Alkalinity
Associated Lab Samples: 92107338009, 92107338010, 92107338011, 92107338012, 92107338013, 92107338015, 92107338016, 92107338017, 92107338018, 92107338019

METHOD BLANK: 695553 | Matrix: Water
Associated Lab Samples: 92107338009, 92107338010, 92107338011, 92107338012, 92107338013, 92107338015, 92107338016, 92107338017, 92107338018, 92107338019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	ug/L	ND	5000	12/06/11 09:20	

LABORATORY CONTROL SAMPLE: 695554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	ug/L	50000	46600	93	90-110	

SAMPLE DUPLICATE: 695555

Parameter	Units	92107338009 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	ug/L	40200	39200	3	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

QC Batch: WET/18841 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 92107338002, 92107338003, 92107338004, 92107338005, 92107338006, 92107338007

METHOD BLANK: 692478 Matrix: Water
Associated Lab Samples: 92107338002, 92107338003, 92107338004, 92107338005, 92107338006, 92107338007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	ug/L	ND	25000	12/02/11 23:31	

LABORATORY CONTROL SAMPLE: 692479

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	ug/L	250000	236000	94	80-120	

SAMPLE DUPLICATE: 694354

Parameter	Units	92107273002 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	ug/L	205 mg/L	202000	1	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

QC Batch: WET/18862 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 92107338008, 92107338009, 92107338010, 92107338011, 92107338012, 92107338013

METHOD BLANK: 695207 Matrix: Water
Associated Lab Samples: 92107338008, 92107338009, 92107338010, 92107338011, 92107338012, 92107338013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	ug/L	ND	25000	12/05/11 22:51	

LABORATORY CONTROL SAMPLE: 695208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	ug/L	250000	244000	98	80-120	

SAMPLE DUPLICATE: 695209

Parameter	Units	92107338010 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	ug/L	159000	154000	3	

SAMPLE DUPLICATE: 695210

Parameter	Units	92107637001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	ug/L	521 mg/L	522000	0	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

QC Batch: WET/18904 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 92107338015, 92107338016, 92107338017, 92107338018, 92107338019

METHOD BLANK: 696879 Matrix: Water
Associated Lab Samples: 92107338015, 92107338016, 92107338017, 92107338018, 92107338019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	ug/L	ND	25000	12/08/11 13:22	

LABORATORY CONTROL SAMPLE: 696880

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	ug/L	250000	294000	118	80-120	

SAMPLE DUPLICATE: 696881

Parameter	Units	92107519002 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	ug/L	331 mg/L	335000	1	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

QC Batch: WETA/11086
Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Associated Lab Samples: 92107338002, 92107338003

METHOD BLANK: 693411
Matrix: Water
Associated Lab Samples: 92107338002, 92107338003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	ug/L	ND	5000	12/02/11 12:06	

LABORATORY CONTROL SAMPLE: 693412

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	20000	19400	97	90-110	

MATRIX SPIKE SAMPLE: 693413

Parameter	Units	92107048001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	ND	20000	18400	92	90-110	

MATRIX SPIKE SAMPLE: 693415

Parameter	Units	92107359003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	10.3 mg/L	20000	30400	100	90-110	

SAMPLE DUPLICATE: 693414

Parameter	Units	92107048001 Result	Dup Result	RPD	Qualifiers
Sulfate	ug/L	ND	ND		

SAMPLE DUPLICATE: 693416

Parameter	Units	92107359003 Result	Dup Result	RPD	Qualifiers
Sulfate	ug/L	10.3 mg/L	10400	0	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

QC Batch: WETA/11103 | Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 | Analysis Description: 300.0 IC Anions
Associated Lab Samples: 92107338004, 92107338005, 92107338006, 92107338007, 92107338008, 92107338009, 92107338010, 92107338011, 92107338012, 92107338013

METHOD BLANK: 694582 | Matrix: Water
Associated Lab Samples: 92107338004, 92107338005, 92107338006, 92107338007, 92107338008, 92107338009, 92107338010, 92107338011, 92107338012, 92107338013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	ug/L	ND	5000	12/07/11 10:35	

LABORATORY CONTROL SAMPLE: 694583

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	20000	19000	95	90-110	

MATRIX SPIKE SAMPLE: 694584

Parameter	Units	92107437002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	ND	20000	19500	97	90-110	

MATRIX SPIKE SAMPLE: 694586

Parameter	Units	92107380003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	12.8 mg/L	20000	32000	96	90-110	

SAMPLE DUPLICATE: 694585

Parameter	Units	92107437002 Result	Dup Result	RPD	Qualifiers
Sulfate	ug/L	ND	ND		

SAMPLE DUPLICATE: 694587

Parameter	Units	92107380003 Result	Dup Result	RPD	Qualifiers
Sulfate	ug/L	12.8 mg/L	12800	0	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

QC Batch: WETA/11139 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 92107338015, 92107338016, 92107338017, 92107338018, 92107338019

METHOD BLANK: 697172 Matrix: Water
Associated Lab Samples: 92107338015, 92107338016, 92107338017, 92107338018, 92107338019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	ug/L	ND	5000	12/12/11 17:03	

LABORATORY CONTROL SAMPLE: 697173

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	20000	19100	96	90-110	

MATRIX SPIKE SAMPLE: 697174

Parameter	Units	92107338015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	61800	20000	91100	146	90-110	M1

MATRIX SPIKE SAMPLE: 697176

Parameter	Units	92107871008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	ug/L	52900	20000	93700	204	90-110	M1

SAMPLE DUPLICATE: 697175

Parameter	Units	92107338015 Result	Dup Result	RPD	Qualifiers
Sulfate	ug/L	61800	63800	3	

SAMPLE DUPLICATE: 697177

Parameter	Units	92107871008 Result	Dup Result	RPD	Qualifiers
Sulfate	ug/L	52900	53300	1	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

QC Batch: WETA/11158 | Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E | Analysis Description: 4500 Chloride
Associated Lab Samples: 92107338002, 92107338003, 92107338004, 92107338005, 92107338006, 92107338007, 92107338008, 92107338009, 92107338010, 92107338011, 92107338012

METHOD BLANK: 698331 | Matrix: Water
Associated Lab Samples: 92107338002, 92107338003, 92107338004, 92107338005, 92107338006, 92107338007, 92107338008, 92107338009, 92107338010, 92107338011, 92107338012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	ug/L	ND	5000	12/11/11 11:19	

LABORATORY CONTROL SAMPLE: 698332

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	20000	20500	103	90-110	

MATRIX SPIKE SAMPLE: 698333

Parameter	Units	92107266001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	306 mg/L	20000	320000	67	75-125	M6

SAMPLE DUPLICATE: 698334

Parameter	Units	92107292001 Result	Dup Result	RPD	Qualifiers
Chloride	ug/L	31.1 mg/L	33700	8	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 92107338

QC Batch: WETA/11159 Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E Analysis Description: 4500 Chloride
Associated Lab Samples: 92107338013, 92107338015, 92107338016, 92107338017, 92107338018, 92107338019

METHOD BLANK: 698422 Matrix: Water
Associated Lab Samples: 92107338013, 92107338015, 92107338016, 92107338017, 92107338018, 92107338019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	ug/L	ND	5000	12/12/11 13:05	

LABORATORY CONTROL SAMPLE: 698423

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	20000	20200	101	90-110	

MATRIX SPIKE SAMPLE: 698424

Parameter	Units	92107338013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	62400	20000	62800	2	75-125	M1

SAMPLE DUPLICATE: 698425

Parameter	Units	92107894001 Result	Dup Result	RPD	Qualifiers
Chloride	ug/L	92.6 mg/L	92500	0	

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QUALIFIERS

Project: OSR
Pace Project No.: 92107338

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

C9	Common Laboratory Contaminant.
F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1491133

Section A Required Client Information:

Company: HDR
Address:
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Eric Wright
Copy To:
Purchase Order No.:
Project Name: OSR
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: K. Godwin
Pace Profile #: 2588-4

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): App I VOC; sulfate; Chloride/Alk; TDS; App I metals; Hg Na Fe Mn; Manganese

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	App I VOC	sulfate	Chloride/Alk	TDS	App I metals	Hg Na Fe Mn	Manganese	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Equip-Blank	WT	–	—	—	11/29	1000	–	3				3						X								92157338 001
2	MW-8	WT	–	—	—	11/29	1235	–	7	3		1	3						X	X	X	X	X	X	X		002
3	MW-9	WT	–	—	—	11/29	1315	–	7	3		1	3						X	X	X	X	X	X	X		003
4	MW-14	WT	–	—	—	11/29	1425	–	7	3		1	3						X	X	X	X	X	X	X		004
5	MW-10	WT	–	—	—	11/29	1530	–	7	3		1	3						X	X	X	X	X	X	X		005
6	SW-2	WT	–	—	—	11/29	1545	–	7	3		1	3						X	X	X	X	X	X	X		006
7	SW-1	WT	–	—	—	11/29	1620	–	7	3		1	3						X	X	X	X	X	X	X		007
8																											
9																											
10																											
11																											
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	J Qualtieri / PACE	11/29	1845	PACE	11/29/11	1845	3.0	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: J. Qualtieri

SIGNATURE of SAMPLER: J Qualtieri

DATE Signed (MM/DD/YY): 11/29/2011

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: July 29, 2011 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.05**	Issuing Authority: Pace Huntersville Quality Office

Client Name: HDR Project # 92107338

Where Received: ☒ Huntersville ☐ Asheville ☐ Eden

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun T1102 **Type of Ice:** (Wet) Blue None ☒ Samples on ice, cooling process has begun

Temp Correction Factor Add / Subtract 0 °C

Corrected Cooler Temp.: 3.0 C **Biological Tissue is Frozen:** Yes No (N/A)

Date and Initials of person examining contents: DH 11/29/11

Temp should be above freezing to 6°C **Comments:**

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: JG Date: 11/30/11 **SRF Review:** JG Date: 11/30/11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1498033

Section A Required Client Information:

Company: HDR
Address:
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Eric Wright
Copy To:
Purchase Order No.:
Project Name: OSR
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: K. Godwin
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): AOX	TOC	Sulfate	Chloride	TDS	Metals Fe Mn Na Mg	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92107338
1	MW-11	WT	—	—	—	11/30	1025	—	7	3		1	3					X	X	X	X	X	X		008
2	MW-12	WT	—	—	—	11/30	1130	—	7	3		1	3					X	X	X	X	X	X		009
3	MW-13	WT	—	—	—	11/30	1240	—	7	3		1	3					X	X	X	X	X	X		010
4	MW-3R	WT	—	—	—	11/30	1350	—	7	3		1	3					X	X	X	X	X	X		011
5	MW-7	WT	—	—	—	11/30	1500	—	7	3		1	3					X	X	X	X	X	X		012
6	MW-2R	WT	—	—	—	11/30	1605	—	7	3		1	3					X	X	X	X	X	X		013
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	J Quattieri / PACE	11/30	1835	[signature] / PACE	11/30/11	1835	2.4	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: J. Qualtieri

SIGNATURE of SAMPLER: J Quattieri

DATE Signed (MM/DD/YY): 11/30/2011

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: July 29, 2011 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.05**	Issuing Authority: Pace Huntersville Quality Office

Client Name: HDR Project # 92107338

Where Received: ☒ Huntersville ☐ Asheville ☐ Eden

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun T1102 **Type of Ice:** (Wet) Blue None ☒ Samples on ice, cooling process has begun

Temp Correction Factor Add / Subtract 0 °C

Corrected Cooler Temp.: 2.4 C **Biological Tissue is Frozen:** Yes No (N/A)

Date and Initials of person examining contents: JEB 11/30/11

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	JEB ☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: WT	☑Yes ☐No ☐N/A	12.
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: JJ Date: 12/1/11 **SRF Review:** JJ Date: 12/1/11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1490682

Section A Required Client Information:

Company: HDR
Address:
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Eric Wright
Copy To:
Purchase Order No.:
Project Name: OSR
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: K. Godwin
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	App I VOC	Sulfate	Chloride/Alk	TDS	App I metals	Fe, Hg, Na, Manganese	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92107338
1	TRIP Blank	WT	—	—	—	11/28	0800	—	2				2						X							014
2	MW-4R	WT	—	—	—	12/1	1005	—	7	3		1	3						X	X	X	X	X	X		015
3	MW-1R	WT	—	—	—	12/1	1115	—	7	3		1	3						X	X	X	X	X	X		016
4	MW-5R	WT	—	—	—	12/1	1335	—	7	3		1	3						X	X	X	X	X	X		017
5	SW-3	WT	—	—	—	12/1	1400	—	7	3		1	3						X	X	X	X	X	X		018
6	SW-4	WT	—	—	—	12/1	1430	—	7	3		1	3						X	X	X	X	X	X		019
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	J. Quattieri (PACE	12/1	1640	[signature]	12/01/11	1640	3.0	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: J. Quattieri

SIGNATURE of SAMPLER: J. Quattieri

DATE Signed (MM/DD/YY): 12/1/2011

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: July 29, 2011 Page 1 of 2
	Document Number: **F-CHR-CS-03-rev.05**	Issuing Authority: Pace Huntersville Quality Office

Client Name: HDK Project # 92107338

Where Received: ☒ Huntersville ☐ Asheville ☐ Eden

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun T1102 **Type of Ice:** Wet Blue None ☒ Samples on ice, cooling process has begun

Temp Correction Factor Add / Subtract 0 °C

Corrected Cooler Temp.: 3.0 C **Biological Tissue is Frozen:** Yes No N/A

Date and Initials of person examining contents: JEB 12/01/11

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: WT	☑Yes ☐No ☐N/A	12.
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ~~☑N/A~~	16.
Trip Blank Custody Seals Present	☑Yes ☐No ~~☑N/A~~	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: JG **Date:** 12/1/11 **SRF Review:** CAH **Date:** ~~11/28~~ CAH 12/2/11 12/2/11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)