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	May 8, 10, 11 and June 9, 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 — Project Engineer — 704-338-6719

Facility Representative Name (Print) — Title — (Area Code) Telephone Number

Eric Alan Wright — 7/6/2011

Signature — Date

Affix NC Licensed/ Professional Engineer Seal

NORTH CAROLINA PROFESSIONAL SEAL 19027 ENGINEER ERIC ALAN WRIGHT 7/6/11

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)

Revised 6/2009

July 11, 2011

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

Re: Spring 2011 Semiannual Groundwater Sampling Analytical Results
Winston-Salem Construction and Demolition (C&D) Landfill (No. 34-12)
Forsyth County, North Carolina
HDR Project No. 00162-164599-018

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 Spring 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 May 9, 10 and 11, groundwater samples were collected from the following thirteen on-site detection monitoring wells.

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		

Groundwater samples were analyzed for the eight (8) Resource Conservation and Recovery Act (RCRA) metals and Appendix I volatile organic compounds (VOCs). In addition, two surface water samples were collected and analyzed for the same parameters. Upstream surface water (SW-1) and downstream surface water (SW-2) samples were obtained from the adjacent stream to the east. Field measurements of pH, specific conductance, temperature, dissolved oxygen, and oxidation-reduction potential were recorded during well purging. Groundwater monitoring well MW-1R is located hydraulically upgradient of the landfill and is considered as background well for the site.

During the initial sampling event, benzene and tetrachloroethene were detected at MW-2R at levels slightly above the 2L standard (1 µg/L and 0.7 µg/L respectively) and the NCDENR Solid Waste Section Limits (SWSL) standard of 1.0 µg/L. MW-2R was resampled on June 9th to confirm the presence of benzene and tetrachloroethene. The retest results confirmed the presence of both parameters. Benzene was initially detected at 1.3 and confirmed at 1.6 µg/L in the retest. Tetrachloroethene was initially detected at 1.4 and confirmed at 1.6 µg/L in the retest. Mapping indicates that well MW-2R is very close to the permitted limit of waste. This was the only exceedance of the 2L standards during this event and is the first time that these parameters have been detected at this landfill. HDR will prepare an assessment monitoring workplan for department review.

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

In total, fourteen VOCs were detected in groundwater samples during this event. Two VOCs, methylene chloride and trichlorofluoromethane, were detected above the NCDENR Solid Waste Section Limits (SWSL) but below the 2L standard in the groundwater sample for MW-2R. Both of these VOCs were previously detected in this well. The detected level of methylene chloride (4.1 µg/L) is slightly below the 2L standard of 5 ug/L. The detected level of trichlorofluoromethane (31.6 µg/L) is well below the 2L standard of 2,000 µg/L. The City will continue to evaluate the detection of these compounds in future sampling events.

Barium was detected above the SWSL but below the 2L standard in samples from seven wells as shown on the attached Event Summary Table. Silver and chromium were also detected, though both were at levels below the SWSL and 2L standards. The metal concentrations detected in the groundwater samples are reflective of the naturally-occurring trace metals typically present in the saprolite of this region and are consistent with historical sampling results from the site.

An assessment monitoring workplan will be 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 Groundwater 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
File

Event Summary Table

Facility Permit 34-12

Old Salisbury Road Landfill (C&D)

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		Jun-11		May-11																
SWSL	2L	units		MW-2R	Trip Blank	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	Equipment Blank	Trip Blank
			°C																			
			Field Temperature	19.1		17	16	14.6	14.3	15.5	16.2	16.6	18.7	16.6	15.6	15	15	17.1	19.7	18.6		
			µg/L																			
5	NE	µg/L	1,1,1,2-Tetrachloroethane																			
1	200	µg/L	1,1,1-Trichloroethane								0.82											
3	0	µg/L	1,1,2,2-Tetrachloroethane																			
1	NE	µg/L	1,1,2-Trichloroethane																			
5	6.00	µg/L	1,1-Dichloroethane				1.1				3.8											
1	0	µg/L	1,2,3-Trichloropropane																			
13	0	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	µg/L	1,2-Dichloroethane																			
1	1	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									3.8										
200	NE	µg/L	Acrylonitrile																			
10	10	µg/L	Arsenic																			
100	700	µg/L	Barium			84.7	273	301	126	63.7	104	27.3	153	80.7	56.2	39.1	164	125	69.9	49.2		
1	1	µg/L	Benzene	1.6			1.3															
3	NE	µg/L	Bromochloromethane																			
1	1	µg/L	Bromodichloromethane																			
3	4	µg/L	Bromoform																			
10	NE	µg/L	Bromomethane																			
1	2.00	µg/L	Cadmium																			
100	700	µg/L	Carbon disulfide																			
1	0	µg/L	Carbon tetrachloride																			
3	50	µg/L	Chlorobenzene																			
10	3000	µg/L	Chloroethane																			
5	70	µg/L	Chloroform				0.36															
1	3	µg/L	Chloromethane						0.15							0.21		0.24				
10	10.0	µg/L	Chromium			1.4	5.4		1.3	7.6		0.96		0.63		2.6	3.9	1.8				
5	70.0	µg/L	cis-1,2-Dichloroethene				0.26				0.71											
1	0	µg/L	cis-1,3-Dichloropropene																			
3	0	µg/L	Dibromochloromethane																			
10	NE	µg/L	Dibromomethane																			
1	600	µg/L	Ethylbenzene																			
10	NE	µg/L	Iodomethane																			
10	15	µg/L	Lead																			
5	500	µg/L	m&p-Xylene				0.74				1.4											
0	1	µg/L	Mercury																			
10	20	µg/L	Silver			0.51	2.5	0.6	0.88	0.57	0.84	0.1	0.43	0.12	1.2	0.7	0.72	0.74	0.4	0.2		
5	7	µg/L	1,1-Dichloroethene																			
1	5	µg/L	Methylene Chloride				4.1															
NE	NE	µg/L	o-Xylene				0.84				0.39											
1	2000	µg/L	Trichlorofluoromethane				31.6				0.48		0.26	0.52								
10	20	µg/L	Selenium																			
1	70	µg/L	Styrene																			
1	1	µg/L	Tetrachloroethene	1.6			1.4															
1	600	µg/L	Toluene																			
5	100	µg/L	trans-1,2-Dichloroethene																			
1	0	µg/L	trans-1,3-Dichloropropene																			
100	NE	µg/L	trans-1,4-Dichloro-2-butene																			
1	3.00	µg/L	Trichloroethene				0.65															
50	NE	µg/L	Vinyl acetate																			
1	0	µg/L	Vinyl chloride																			
NE	NE	µg/L	Sodium	27200																		
NS	NS	µg/L	Methane	1280																		
NE	NE	µg/L	Ethane																			
NE	NE	µg/L	Ethene																			
NS	NS	µg/L	Nitrogen, Ammonia	0.12																		
NS	NS	µg/L	Tetrahydrofuran	274			226								12.1		18.6					
			µmhos/cm																			
			Field Specific Conductance	698		110	687	409	174	208	193	10	153	55	321	179	171	140	295	129		
			feet																			
			Static Water Level	8.31		35.93	8.17	20.6	8.34	10.44	38	15.1	51.1	11.7	4	4.91	8.85	51.5				
			Total Well Depth	21		60	21	27	20	19.56	48	27	60	21	20	15.6	20	60				
			mg/L																			
NS	NS	mg/L	Chloride	39.9																		
			Oxygen, Dissolved	4.2		6.3	3.9	6.3	5.3	9	3.2	8.7	7.3	7.1	4.3	7.4	5.2	7.8	6.6	9.1		
			Alkalinity, Total as CaCO3	165																		
			mV																			
			REDOX	88		263	71	-43	271	141	245	272	265	279	-36	188	245	272	-15	23		
			NTU																			
			Turbidity	3		55	57	70	96	85	40	18	1	4	23	25	177	39	50	52		
			Std. Units																			
			Field pH	5.8		5.8	5.9	6.2	5.7	6.1	5.6	5.1	5.6	5.5	6.2	6	5.6	5.5	6.4	6.5		

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 Groundwater Detections

MCL SWSL	MCL 2L	Value	Row Labels	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	Nov-99	Jun-99	Nov-98	May-98	Oct-97	May-97	Oct-96	Jan-96
		µg/L																																			
			MW-1R																																		
10	10	µg/L	Arsenic																							5.8											
100	700	µg/L	Barium		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	130	150	160	100	290	100	180	224
100	700	µg/L	Carbon Disulfide																													28					23
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		5.2	7.8	12	49	11	3	6	
10	15	µg/L	Lead																			22				10								12			6
0.2	1	µg/L	Mercury																																	0.2	1.8
1	5	µg/L	Methylene Chloride																												13						
10	20	µg/L	Selenium															5.5																			
10	20	µg/L	Silver		0.51			0.29	0.48		0.62	0.43																									
1	600	µg/L	Toluene																							21											
			MW-2R																																		
5	6	µg/L	1,1-Dichloroethane		1.1																																
100	4000	µg/L	2-Butanone (MEK)																																		86
10	10	µg/L	Arsenic																													11					
100	700	µg/L	Barium		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	120	150	1100	190	340	200	160	350
1.0	1.0	µg/L	Benzene	1.6	1.3																																
1	2	µg/L	Cadmium																					1.9											3		
5	70	µg/L	Chloroform		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	14	7.8	210	34	43	4	9	12
5	70	µg/L	cis-1,2-Dichloroethene		0.26																																
10	15	µg/L	Lead																							7	8.9		6.5	6.9		68	19	31	14	8	26
5	500	µg/L	m&p-Xylene		0.74																																
0.2	1	µg/L	Mercury														0.34																				0.4
NS	NS	µg/L	Methane	1280																																	
1	5	µg/L	Methylene Chloride		4.1	4.2																									13						
NS	NS	µg/L	Nitrogen, Ammonia	0.12																																	
NE	NE	µg/L	o-Xylene		0.84																																
10	20	µg/L	Silver		2.5	0.85		0.67	0.68	0.58	1.2	0.93																							6		
NE	NE	µg/L	Sodium	27200																																	
1	0.7	µg/L	Tetrachloroethene	1.6	1.4																																
NS	NS	µg/L	Tetrahydrofuran	274	226																																
1	3	µg/L	Trichloroethene		0.65																																
1	2000	µg/L	Trichlorofluoromethane		31.6	36.1	21.9	22.2																													
			MW-3R																																		
10	10	µg/L	Arsenic					4																	7.4	8.4	18	31		5.9							
100	700	µg/L	Barium		301	302		314	289	252	231	293	273	310	230	290	300	300	340		270	200	220	13	370	400	950	1500	300	52		1400	860	620	800	790	1230
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		24		77	25	16	28	20	9
10	15	µg/L	Lead																		14				21	35	53	80		40		39	32	26	27	15	15
0.2	1	µg/L	Mercury																															0.2			0.7
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																									

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 Groundwater Detections

MCL SWSL	MCL 2L	Value Row Labels	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	Nov-99	Jun-99	Nov-98	May-98	Oct-97	May-97	Oct-96	Jan-96
		µg/L																																		
		MW-4R																																		
10	10 µg/L	Arsenic																		9.2					12	5.6			7.5							
100	700 µg/L	Barium		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	860	950	2000	850	650	280	720	595
1	2 µg/L	Cadmium																																		7
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		60	110	300	130	55		47	21
10	15 µg/L	Lead						4.8												18		5.3	6		36	14	8.1	9.5	40	50	76	43	29	12	16	17
0.2	1 µg/L	Mercury																											0.36		0.21				0.3	1.7
1	5 µg/L	Methylene Chloride																												10						
10	20 µg/L	Silver		0.88	1.3			2.4		2.6	0.94																							6		
		MW-5R																																		
100	6000 µg/L	Acetone																													150					
10	10 µg/L	Arsenic					4.2											5.1		5					7		5					5				
100	700 µg/L	Barium		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	200	240	480	820	610	330	620	1000
1	2 µg/L	Cadmium																				2.7														
100	700 µg/L	Carbon Disulfide																													25					
1	3 µg/L	Chloromethane														5.4																				
10	10 µg/L	Chromium		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	29	38	96	170	16	70	43	96
10	15 µg/L	Lead																		5.1					13	7.6	7.6		8.2	16	29	69	31	14	20	19
0.2	1 µg/L	Mercury														0.4																				0.8
1	5 µg/L	Methylene Chloride																												10						
10	20 µg/L	Silver		0.57	0.16		0.46	0.6	0.28	0.78	0.56																									
		MW-6R																																		
10	10 µg/L	Arsenic																							16											
100	700 µg/L	Barium																		28	25	24	41	180	530	62	41	82	59		160	360	260	300	590	1400
10	10 µg/L	Chromium																		2.2	2.4		3.2	26	95	4.1	2.6		2.8		12	33	14	21	10	12
10	15 µg/L	Lead																						7.6	38			5.8				20	14	14	11	18
0.2	1 µg/L	Mercury																																		1.4
		MW-7																																		
1	200 µg/L	1,1,1-Trichloroethane		0.82																																
5	6 µg/L	1,1-Dichloroethane		3.8																																
10	10 µg/L	Arsenic					3.4														8.6				17	16	45			9.8						
100	700 µg/L	Barium		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	390	960	1300	1200	1800	750	970	1930
100	700 µg/L	Carbon Disulfide						12.5																							9					
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	62	190	350	430	410	180	21	28
5	70 µg/L	cis-1,2-Dichloroethene		0.71																																
10	15 µg/L	Lead																			24	5.3	6		36	26	65	8.7	12	30	36	38	53	23	6	17
5	500 µg/L	m&p-Xylene		1.4																																
0.2	1 µg/L	Mercury														0.24																	0.2		0.4	1.4
1	5 µg/L	Methylene Chloride																												10						
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												
1	2000 µg/L	Trichlorofluoromethane		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 Groundwater Detections

MCL SWSL	MCL 2L	Value	Row Labels	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	Nov-99	Jun-99	Nov-98	May-98	Oct-97	May-97	Oct-96	Jan-96
			µg/L																																			
			MW-8																																			
100	6000	µg/L	Acetone		3.8																																	
10	10	µg/L	Arsenic																		6					36	46	89										
100	700	µg/L	Barium		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										
10	15	µg/L	Lead																		41		6.7			150	210	400										
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																									
			MW-9																																			
100	700	µg/L	Barium		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																									
1	2000	µg/L	Trichlorofluoromethane		0.26																																	
			MW-10																																			
100	700	µg/L	Barium		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																		
10	15	µg/L	Lead																	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																													
1	2000	µg/L	Trichlorofluoromethane		0.52																																	
			MW-11																																			
100	700	µg/L	Barium		56.2	48.1		37.6	31.8	28.4	28.6	29.2	23.1	25	24	26	27	24	28	47																		
10	10	µg/L	Chromium																3.9	3.3																		
10	20	µg/L	Selenium								8.7																											
10	20	µg/L	Silver		1.2			0.48	0.5		0.79	0.41	0.39																									
NS	NS	µg/L	Tetrahydrofuran		12.1																																	
			MW-12																																			
10	10	µg/L	Arsenic					2.7																														
100	700	µg/L	Barium		39.1	44.9		40.6	38	34.5	57.9	60.5	47.3	31	66	55	77	50	77	74																		
1	3	µg/L	Chloromethane		0.21																																	
10	10	µg/L	Chromium		2.6	1.1		2.4		2		1.8				4			2.1																			
10	20	µg/L	Silver		0.7			0.2	0.39		0.37	0.15	0.26																									
			MW-13																																			
5	7	µg/L	1,1-Dichloroethene						19.8																													
100	700	µg/L	Barium		164	176		126	117	79.2	88.7	64.6	85.6	79	62	65	59	46	57	160																		
10	10	µg/L	Chromium		3.9	4		1.7	0.8	1.6	2.2	1.1				2			4.8	9.2																		
10	15	µg/L	Lead			4.3														11																		
10	20	µg/L	Silver		0.72			0.4	0.41		0.44	0.21																										
NS	NS	µg/L	Tetrahydrofuran		18.6																																	
1	2000	µg/L	Trichlorofluoromethane						18.6																													

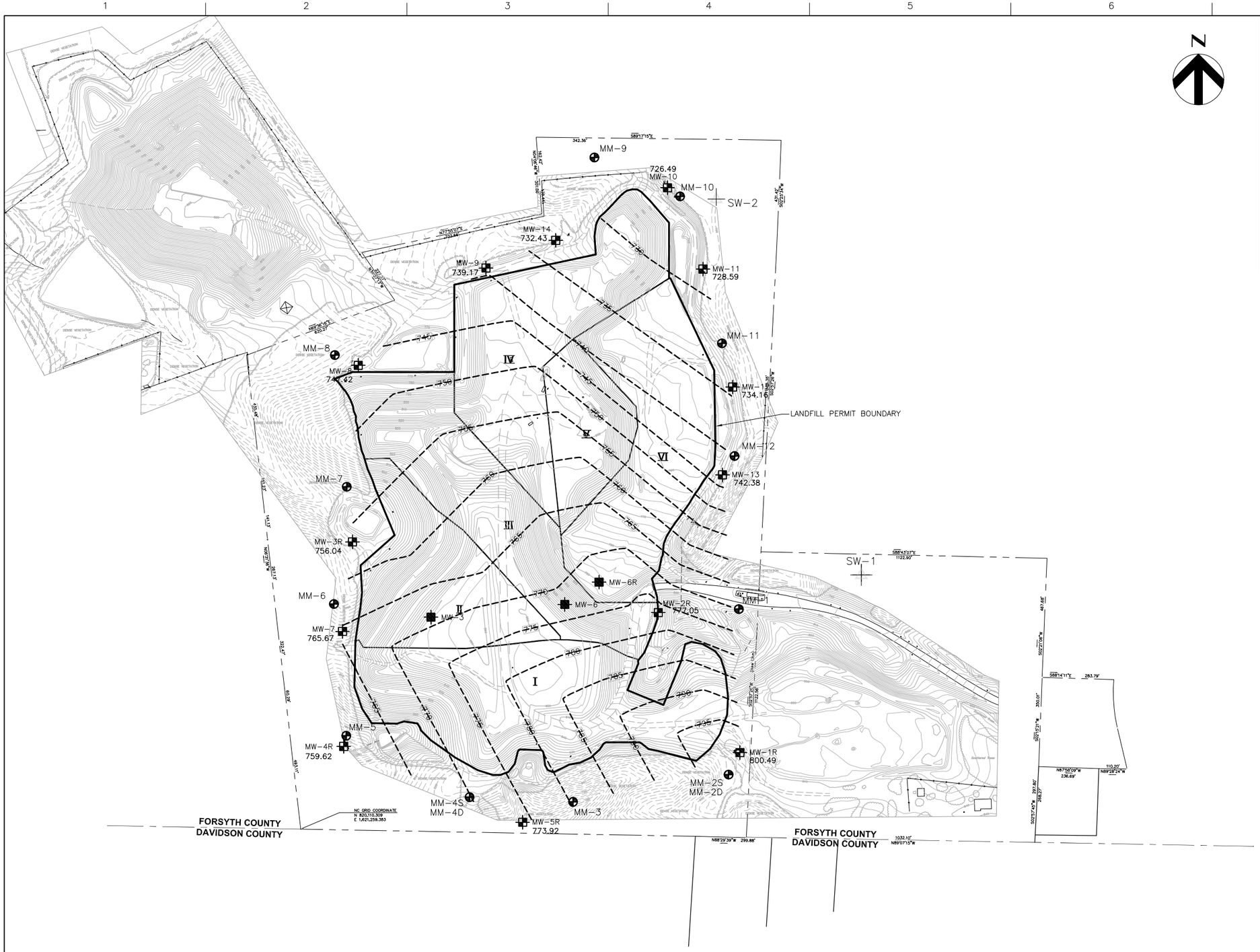
Facility Permit	34-12
Result	(Multiple Items)

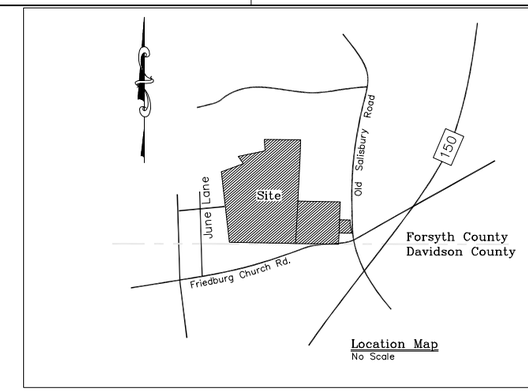
Old Salisbury Road Landfill (C&D)

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

Historic Groundwater Detections

MCL SWSL	MCL 2L		Value / Row Labels	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	Nov-99	Jun-99	Nov-98	May-98	Oct-97	May-97	Oct-96	Jan-96
			µg/L																																		
			MW-14																																		
10	10	µg/L	Arsenic								7.3				8.3																						
100	700	µg/L	Barium		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																	
10	15	µg/L	Lead						7.2		26.2			5.2	23	13	5.9			8																	
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																								
			SW-1																																		
100	6000	µg/L	Acetone										22.7																								
10	10	µg/L	Arsenic					3.7										23		20																	
100	700	µg/L	Barium		69.9	61.9		92.5	77.7	45.6	78.2	79.7	70.3	88	54	120	73	750	53	500																	
10	10	µg/L	Chromium							0.61	0.67	1.2	0.61			4.2		52	3.2	36																	
10	15	µg/L	Lead						17.5									57		38																	
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																								
			SW-2																																		
10	10	µg/L	Arsenic											5.5																							
100	700	µg/L	Barium		49.2	57.6		59.4	52.1	46.3	50.6	50.6	49.4	300	44	150	51	47	65	63																	
10	10	µg/L	Chromium							0.42				17		4.7																					
10	15	µg/L	Lead											11		7.6																					
0.2	1	µg/L	Mercury						0.08																												
10	20	µg/L	Selenium											21																							
10	20	µg/L	Silver		0.2			0.2	0.36		0.5	0.26	0.26																								





LEGEND

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

PROPOSED	EXISTING	ABANDONED	
			MONITORING WELLS (MW & OW)
			METHANE PROBES (MM)
	SW-#		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 MAY, 2011.
4. MSL – MEAN SEA LEVEL

HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	06/2011	ISSUED WITH GW REPORT

CLIENT MANAGER	M.D. PLUMMER, P.E.
PROJECT MANAGER	E.A. WRIGHT, P.E.
CAD	G.M. WILLIAMS, P.E.
PROJECT NUMBER	00000013625.018

OLD SALISBURY ROAD C & D LANDFILL

WINSTON-SALEM NORTH CAROLINA

GROUNDWATER CONTOURS AND MONITORING LOCATIONS

0 1" 2"

FILENAME	00D-03.dwg
SCALE	1"=200'

SHEET

C:\pwworking\tpa\d0131119\00D-03.dwg, Layout1, 7/5/2011 4:39:58 PM, jgaul

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Huntersville, NC 28078
(704)875-9092

May 27, 2011

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

RE: Project: OSR
Pace Project No.: 9293731

Dear Mr. Wright:
Enclosed are the analytical results for sample(s) received by the laboratory between May 09, 2011 and May 11, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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.: 9293731

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
Pennsylvania Certification #: 68-03578
South Carolina Bioassay Certification #: 99030002
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356

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SAMPLE ANALYTE COUNT

Project: OSR
Pace Project No.: 9293731

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9293731001	**MW-8**		KRG	13	PASI-C
		EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9293731002	**MW-9**		KRG	13	PASI-C
		EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9293731003	**MW-14**		KRG	13	PASI-C
		EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9293731004	**MW-10**		KRG	13	PASI-C
		EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9293731005	**SW-2**		KRG	11	PASI-C
		EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9293731006	**EQUIP BLANK**	EPA 8260	MCK	53	PASI-C
9293731007	**MW-4R**		KRG	13	PASI-C
		EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9293731008	**MW-7**		KRG	13	PASI-C
		EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9293731009	**MW-1R**		KRG	13	PASI-C
		EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9293731010	**MW-2R**		KRG	13	PASI-C
		EPA 6010	JMW	7	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.: 9293731

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9293731011	**SW-1**		KRG	11	PASI-C
		EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9293731012	**Trip Blank**	EPA 8260	MCK	53	PASI-C
9293731013	**MW-3R**		KRG	13	PASI-C
		EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9293731014	**MW-5R**		KRG	13	PASI-C
		EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9293731015	**MW-11**		KRG	13	PASI-C
		EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9293731016	**MW-12**		KRG	13	PASI-C
		EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C
9293731017	**MW-13**		KRG	13	PASI-C
		EPA 6010	JMW	7	PASI-A
		EPA 7470	SHB	1	PASI-A
		EPA 8260	MCK	53	PASI-C

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-8 **Lab ID: 9293731001** Collected: 05/09/11 11:45 Received: 05/09/11 19:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		05/18/11 08:53		
Collected Date	**05/09/11**			1		05/18/11 08:53		
Collected Time	**11:45**			1		05/18/11 08:53		
Field pH	**5.1**	Std. Units		1		05/18/11 08:53		
Field Temperature	**16.6**	deg C		1		05/18/11 08:53		
Static Water Level	**15.08**	feet		1		05/18/11 08:53		
Field Specific Conductance	**10**	umhos/cm		1		05/18/11 08:53		
Oxygen, Dissolved	**8.7**	mg/L		1		05/18/11 08:53	7782-44-7	
Total Well Depth	**27**	feet		1		05/18/11 08:53		
REDOX	**272**	mV		1		05/18/11 08:53		
Turbidity	**18**	NTU		1		05/18/11 08:53		
Odor	**NONE**			1		05/18/11 08:53		
Appearance	**CLEAR**			1		05/18/11 08:53		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	05/16/11 12:30	05/19/11 18:32	7440-38-2	
Barium	**27.3**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:06	7440-39-3	
Cadmium	ND	ug/L	1.0	1	05/16/11 12:30	05/17/11 23:06	7440-43-9	
Chromium	**0.96J**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:06	7440-47-3	
Lead	ND	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:06	7439-92-1	
Selenium	ND	ug/L	10.0	1	05/16/11 12:30	05/17/11 23:06	7782-49-2	
Silver	**0.10J**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:06	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	05/17/11 16:15	05/18/11 11:39	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	**3.8J**	ug/L	25.0	1		05/10/11 20:29	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		05/10/11 20:29	107-13-1	
Benzene	ND	ug/L	1.0	1		05/10/11 20:29	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/10/11 20:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/10/11 20:29	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/10/11 20:29	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/10/11 20:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/10/11 20:29	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/10/11 20:29	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/10/11 20:29	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/10/11 20:29	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/10/11 20:29	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/10/11 20:29	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/10/11 20:29	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/10/11 20:29	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/10/11 20:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/10/11 20:29	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/10/11 20:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/10/11 20:29	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-8 **Lab ID: 9293731001** Collected: 05/09/11 11:45 Received: 05/09/11 19:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/10/11 20:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		05/10/11 20:29	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/10/11 20:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/10/11 20:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/10/11 20:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/11 20:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/11 20:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/10/11 20:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/11 20:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/11 20:29	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		05/10/11 20:29	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/10/11 20:29	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/10/11 20:29	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		05/10/11 20:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/10/11 20:29	108-10-1	
Styrene	ND	ug/L	1.0	1		05/10/11 20:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/10/11 20:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/10/11 20:29	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/10/11 20:29	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/10/11 20:29	109-99-9	
Toluene	ND	ug/L	1.0	1		05/10/11 20:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/10/11 20:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/10/11 20:29	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/10/11 20:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/10/11 20:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/10/11 20:29	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/10/11 20:29	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		05/10/11 20:29	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		05/10/11 20:29	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/10/11 20:29	95-47-6	
4-Bromofluorobenzene (S)	97	%	70-130	1		05/10/11 20:29	460-00-4	
Dibromofluoromethane (S)	100	%	70-130	1		05/10/11 20:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	70-130	1		05/10/11 20:29	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		05/10/11 20:29	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-9 **Lab ID: 9293731002** Collected: 05/09/11 12:40 Received: 05/09/11 19:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		05/18/11 08:55		
Collected Date	**05/09/11**			1		05/18/11 08:55		
Collected Time	**12:40**			1		05/18/11 08:55		
Field pH	**5.6**	Std. Units		1		05/18/11 08:55		
Field Temperature	**18.7**	deg C		1		05/18/11 08:55		
Static Water Level	**51.11**	feet		1		05/18/11 08:55		
Field Specific Conductance	**153**	umhos/cm		1		05/18/11 08:55		
Oxygen, Dissolved	**7.3**	mg/L		1		05/18/11 08:55	7782-44-7	
Total Well Depth	**60**	feet		1		05/18/11 08:55		
REDOX	**265**	mV		1		05/18/11 08:55		
Turbidity	**1.0**	NTU		1		05/18/11 08:55		
Odor	**NONE**			1		05/18/11 08:55		
Appearance	**CLEAR**			1		05/18/11 08:55		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	05/16/11 12:30	05/19/11 18:35	7440-38-2	
Barium	**153**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:13	7440-39-3	
Cadmium	ND	ug/L	1.0	1	05/16/11 12:30	05/17/11 23:13	7440-43-9	
Chromium	ND	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:13	7440-47-3	
Lead	ND	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:13	7439-92-1	
Selenium	ND	ug/L	10.0	1	05/16/11 12:30	05/17/11 23:13	7782-49-2	
Silver	**0.43J**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:13	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	05/17/11 16:15	05/18/11 11:41	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/10/11 20:54	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		05/10/11 20:54	107-13-1	
Benzene	ND	ug/L	1.0	1		05/10/11 20:54	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/10/11 20:54	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/10/11 20:54	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/10/11 20:54	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/10/11 20:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/10/11 20:54	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/10/11 20:54	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/10/11 20:54	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/10/11 20:54	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/10/11 20:54	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/10/11 20:54	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/10/11 20:54	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/10/11 20:54	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/10/11 20:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/10/11 20:54	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/10/11 20:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/10/11 20:54	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-9 **Lab ID: 9293731002** Collected: 05/09/11 12:40 Received: 05/09/11 19:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/10/11 20:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		05/10/11 20:54	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/10/11 20:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/10/11 20:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/10/11 20:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/11 20:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/11 20:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/10/11 20:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/11 20:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/11 20:54	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		05/10/11 20:54	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/10/11 20:54	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/10/11 20:54	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		05/10/11 20:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/10/11 20:54	108-10-1	
Styrene	ND	ug/L	1.0	1		05/10/11 20:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/10/11 20:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/10/11 20:54	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/10/11 20:54	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/10/11 20:54	109-99-9	
Toluene	ND	ug/L	1.0	1		05/10/11 20:54	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/10/11 20:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/10/11 20:54	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/10/11 20:54	79-01-6	
Trichlorofluoromethane	**0.26J**	ug/L	1.0	1		05/10/11 20:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/10/11 20:54	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/10/11 20:54	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		05/10/11 20:54	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		05/10/11 20:54	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/10/11 20:54	95-47-6	
4-Bromofluorobenzene (S)	96	%	70-130	1		05/10/11 20:54	460-00-4	
Dibromofluoromethane (S)	103	%	70-130	1		05/10/11 20:54	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		05/10/11 20:54	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		05/10/11 20:54	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-14 **Lab ID: 9293731003** Collected: 05/09/11 13:50 Received: 05/09/11 19:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		05/18/11 08:57		
Collected Date	**05/09/11**			1		05/18/11 08:57		
Collected Time	**13:50**			1		05/18/11 08:57		
Field pH	**5.5**	Std. Units		1		05/18/11 08:57		
Field Temperature	**17.1**	deg C		1		05/18/11 08:57		
Static Water Level	**51.45**	feet		1		05/18/11 08:57		
Field Specific Conductance	**140**	umhos/cm		1		05/18/11 08:57		
Oxygen, Dissolved	**7.8**	mg/L		1		05/18/11 08:57	7782-44-7	
Total Well Depth	**60**	feet		1		05/18/11 08:57		
REDOX	**272**	mV		1		05/18/11 08:57		
Turbidity	**39**	NTU		1		05/18/11 08:57		
Odor	**NONE**			1		05/18/11 08:57		
Appearance	**CLEAR**			1		05/18/11 08:57		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	05/16/11 12:30	05/19/11 18:39	7440-38-2	
Barium	**125**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:21	7440-39-3	
Cadmium	ND	ug/L	1.0	1	05/16/11 12:30	05/17/11 23:21	7440-43-9	
Chromium	**1.8J**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:21	7440-47-3	
Lead	ND	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:21	7439-92-1	
Selenium	ND	ug/L	10.0	1	05/16/11 12:30	05/17/11 23:21	7782-49-2	
Silver	**0.74J**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:21	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	05/17/11 16:15	05/18/11 11:44	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/10/11 21:18	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		05/10/11 21:18	107-13-1	
Benzene	ND	ug/L	1.0	1		05/10/11 21:18	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/10/11 21:18	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/10/11 21:18	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/10/11 21:18	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/10/11 21:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/10/11 21:18	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/10/11 21:18	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/10/11 21:18	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/10/11 21:18	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/10/11 21:18	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/10/11 21:18	67-66-3	
Chloromethane	**0.24J**	ug/L	1.0	1		05/10/11 21:18	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/10/11 21:18	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/10/11 21:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/10/11 21:18	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/10/11 21:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/10/11 21:18	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-14 **Lab ID: 9293731003** Collected: 05/09/11 13:50 Received: 05/09/11 19:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/10/11 21:18	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		05/10/11 21:18	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/10/11 21:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/10/11 21:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/10/11 21:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/11 21:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/11 21:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/10/11 21:18	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/11 21:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/11 21:18	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		05/10/11 21:18	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/10/11 21:18	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/10/11 21:18	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		05/10/11 21:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/10/11 21:18	108-10-1	
Styrene	ND	ug/L	1.0	1		05/10/11 21:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/10/11 21:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/10/11 21:18	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/10/11 21:18	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/10/11 21:18	109-99-9	
Toluene	ND	ug/L	1.0	1		05/10/11 21:18	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/10/11 21:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/10/11 21:18	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/10/11 21:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/10/11 21:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/10/11 21:18	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/10/11 21:18	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		05/10/11 21:18	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		05/10/11 21:18	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/10/11 21:18	95-47-6	
4-Bromofluorobenzene (S)	93	%	70-130	1		05/10/11 21:18	460-00-4	
Dibromofluoromethane (S)	99	%	70-130	1		05/10/11 21:18	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	70-130	1		05/10/11 21:18	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		05/10/11 21:18	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-10 **Lab ID: 9293731004** Collected: 05/09/11 14:55 Received: 05/09/11 19:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		05/18/11 08:58		
Collected Date	**05/09/11**			1		05/18/11 08:58		
Collected Time	**14:55**			1		05/18/11 08:58		
Field pH	**5.5**	Std. Units		1		05/18/11 08:58		
Field Temperature	**16.6**	deg C		1		05/18/11 08:58		
Static Water Level	**11.72**	feet		1		05/18/11 08:58		
Field Specific Conductance	**55**	umhos/cm		1		05/18/11 08:58		
Oxygen, Dissolved	**7.1**	mg/L		1		05/18/11 08:58	7782-44-7	
Total Well Depth	**21**	feet		1		05/18/11 08:58		
REDOX	**279**	mV		1		05/18/11 08:58		
Turbidity	**4**	NTU		1		05/18/11 08:58		
Odor	**NONE**			1		05/18/11 08:58		
Appearance	**CLEAR**			1		05/18/11 08:58		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	05/16/11 12:30	05/19/11 18:43	7440-38-2	
Barium	**80.7**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:26	7440-39-3	
Cadmium	ND	ug/L	1.0	1	05/16/11 12:30	05/17/11 23:26	7440-43-9	
Chromium	**0.63J**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:26	7440-47-3	
Lead	ND	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:26	7439-92-1	
Selenium	ND	ug/L	10.0	1	05/16/11 12:30	05/17/11 23:26	7782-49-2	
Silver	**0.12J**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:26	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	05/17/11 16:15	05/18/11 11:47	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/10/11 21:42	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		05/10/11 21:42	107-13-1	
Benzene	ND	ug/L	1.0	1		05/10/11 21:42	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/10/11 21:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/10/11 21:42	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/10/11 21:42	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/10/11 21:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/10/11 21:42	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/10/11 21:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/10/11 21:42	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/10/11 21:42	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/10/11 21:42	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/10/11 21:42	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/10/11 21:42	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/10/11 21:42	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/10/11 21:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/10/11 21:42	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/10/11 21:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/10/11 21:42	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-10 **Lab ID: 9293731004** Collected: 05/09/11 14:55 Received: 05/09/11 19:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/10/11 21:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		05/10/11 21:42	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/10/11 21:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/10/11 21:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/10/11 21:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/11 21:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/11 21:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/10/11 21:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/11 21:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/11 21:42	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		05/10/11 21:42	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/10/11 21:42	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/10/11 21:42	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		05/10/11 21:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/10/11 21:42	108-10-1	
Styrene	ND	ug/L	1.0	1		05/10/11 21:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/10/11 21:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/10/11 21:42	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/10/11 21:42	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/10/11 21:42	109-99-9	
Toluene	ND	ug/L	1.0	1		05/10/11 21:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/10/11 21:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/10/11 21:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/10/11 21:42	79-01-6	
Trichlorofluoromethane	**0.52J**	ug/L	1.0	1		05/10/11 21:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/10/11 21:42	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/10/11 21:42	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		05/10/11 21:42	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		05/10/11 21:42	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/10/11 21:42	95-47-6	
4-Bromofluorobenzene (S)	96	%	70-130	1		05/10/11 21:42	460-00-4	
Dibromofluoromethane (S)	99	%	70-130	1		05/10/11 21:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	70-130	1		05/10/11 21:42	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		05/10/11 21:42	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: SW-2 **Lab ID: 9293731005** Collected: 05/09/11 15:05 Received: 05/09/11 19:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		05/18/11 08:59		
Collected Date	**05/09/11**			1		05/18/11 08:59		
Collected Time	**15:05**			1		05/18/11 08:59		
Field pH	**6.5**	Std. Units		1		05/18/11 08:59		
Field Temperature	**18.6**	deg C		1		05/18/11 08:59		
Field Specific Conductance	**129**	umhos/cm		1		05/18/11 08:59		
Oxygen, Dissolved	**9.1**	mg/L		1		05/18/11 08:59	7782-44-7	
REDOX	**23**	mV		1		05/18/11 08:59		
Turbidity	**52**	NTU		1		05/18/11 08:59		
Odor	**NONE**			1		05/18/11 08:59		
Appearance	**ALGAE**			1		05/18/11 08:59		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	05/16/11 12:30	05/19/11 18:47	7440-38-2	
Barium	**49.2**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:29	7440-39-3	
Cadmium	ND	ug/L	1.0	1	05/16/11 12:30	05/17/11 23:29	7440-43-9	
Chromium	ND	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:29	7440-47-3	
Lead	ND	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:29	7439-92-1	
Selenium	ND	ug/L	10.0	1	05/16/11 12:30	05/17/11 23:29	7782-49-2	
Silver	**0.20J**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:29	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	05/17/11 16:15	05/18/11 11:49	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/10/11 22:06	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		05/10/11 22:06	107-13-1	
Benzene	ND	ug/L	1.0	1		05/10/11 22:06	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/10/11 22:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/10/11 22:06	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/10/11 22:06	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/10/11 22:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/10/11 22:06	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/10/11 22:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/10/11 22:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/10/11 22:06	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/10/11 22:06	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/10/11 22:06	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/10/11 22:06	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/10/11 22:06	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/10/11 22:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/10/11 22:06	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/10/11 22:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/10/11 22:06	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/10/11 22:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		05/10/11 22:06	110-57-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: SW-2 **Lab ID: 9293731005** Collected: 05/09/11 15:05 Received: 05/09/11 19:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	1.0	1		05/10/11 22:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/10/11 22:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/10/11 22:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/11 22:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/11 22:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/10/11 22:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/11 22:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/11 22:06	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		05/10/11 22:06	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/10/11 22:06	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/10/11 22:06	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		05/10/11 22:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/10/11 22:06	108-10-1	
Styrene	ND	ug/L	1.0	1		05/10/11 22:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/10/11 22:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/10/11 22:06	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/10/11 22:06	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/10/11 22:06	109-99-9	
Toluene	ND	ug/L	1.0	1		05/10/11 22:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/10/11 22:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/10/11 22:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/10/11 22:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/10/11 22:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/10/11 22:06	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/10/11 22:06	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		05/10/11 22:06	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		05/10/11 22:06	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/10/11 22:06	95-47-6	
4-Bromofluorobenzene (S)	94	%	70-130	1		05/10/11 22:06	460-00-4	
Dibromofluoromethane (S)	102	%	70-130	1		05/10/11 22:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		05/10/11 22:06	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		05/10/11 22:06	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: EQUIP BLANK **Lab ID: 9293731006** Collected: 05/09/11 10:30 Received: 05/09/11 19:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/10/11 22:31	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		05/10/11 22:31	107-13-1	
Benzene	ND	ug/L	1.0	1		05/10/11 22:31	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/10/11 22:31	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/10/11 22:31	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/10/11 22:31	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/10/11 22:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/10/11 22:31	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/10/11 22:31	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/10/11 22:31	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/10/11 22:31	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/10/11 22:31	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/10/11 22:31	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/10/11 22:31	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/10/11 22:31	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/10/11 22:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/10/11 22:31	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/10/11 22:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/10/11 22:31	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/10/11 22:31	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		05/10/11 22:31	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/10/11 22:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/10/11 22:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/10/11 22:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/11 22:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/11 22:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/10/11 22:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/11 22:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/11 22:31	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		05/10/11 22:31	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/10/11 22:31	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/10/11 22:31	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		05/10/11 22:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/10/11 22:31	108-10-1	
Styrene	ND	ug/L	1.0	1		05/10/11 22:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/10/11 22:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/10/11 22:31	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/10/11 22:31	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/10/11 22:31	109-99-9	
Toluene	ND	ug/L	1.0	1		05/10/11 22:31	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/10/11 22:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/10/11 22:31	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/10/11 22:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/10/11 22:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/10/11 22:31	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/10/11 22:31	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		05/10/11 22:31	75-01-4	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: EQUIP BLANK **Lab ID: 9293731006** Collected: 05/09/11 10:30 Received: 05/09/11 19:00 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		05/10/11 22:31	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/10/11 22:31	95-47-6	
4-Bromofluorobenzene (S)	98	%	70-130	1		05/10/11 22:31	460-00-4	
Dibromofluoromethane (S)	102	%	70-130	1		05/10/11 22:31	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	70-130	1		05/10/11 22:31	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		05/10/11 22:31	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-4R **Lab ID: 9293731007** Collected: 05/10/11 12:30 Received: 05/10/11 18:01 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		05/18/11 09:25		
Collected Date	**05/10/11**			1		05/18/11 09:25		
Collected Time	**12:30**			1		05/18/11 09:25		
Field pH	**5.7**	Std. Units		1		05/18/11 09:25		
Field Temperature	**14.3**	deg C		1		05/18/11 09:25		
Static Water Level	**8.34**	feet		1		05/18/11 09:25		
Field Specific Conductance	**174**	umhos/cm		1		05/18/11 09:25		
Oxygen, Dissolved	**5.3**	mg/L		1		05/18/11 09:25	7782-44-7	
Total Well Depth	**20**	feet		1		05/18/11 09:25		
REDOX	**271**	mV		1		05/18/11 09:25		
Turbidity	**96**	NTU		1		05/18/11 09:25		
Odor	**NONE**			1		05/18/11 09:25		
Appearance	**HAZY**			1		05/18/11 09:25		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	05/16/11 12:30	05/19/11 18:50	7440-38-2	
Barium	**126**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:34	7440-39-3	
Cadmium	ND	ug/L	1.0	1	05/16/11 12:30	05/17/11 23:34	7440-43-9	
Chromium	**1.3J**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:34	7440-47-3	
Lead	ND	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:34	7439-92-1	
Selenium	ND	ug/L	10.0	1	05/16/11 12:30	05/17/11 23:34	7782-49-2	
Silver	**0.88J**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:34	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	05/17/11 16:15	05/18/11 12:24	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/13/11 01:40	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		05/13/11 01:40	107-13-1	
Benzene	ND	ug/L	1.0	1		05/13/11 01:40	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/13/11 01:40	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/13/11 01:40	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/13/11 01:40	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/13/11 01:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/13/11 01:40	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/13/11 01:40	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/13/11 01:40	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/13/11 01:40	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/13/11 01:40	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/13/11 01:40	67-66-3	
Chloromethane	**0.15J**	ug/L	1.0	1		05/13/11 01:40	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/13/11 01:40	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/13/11 01:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/13/11 01:40	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/13/11 01:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 01:40	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-4R **Lab ID: 9293731007** Collected: 05/10/11 12:30 Received: 05/10/11 18:01 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 01:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		05/13/11 01:40	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/13/11 01:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/13/11 01:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/13/11 01:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 01:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 01:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/13/11 01:40	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 01:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 01:40	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		05/13/11 01:40	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/13/11 01:40	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/13/11 01:40	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		05/13/11 01:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/13/11 01:40	108-10-1	
Styrene	ND	ug/L	1.0	1		05/13/11 01:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 01:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 01:40	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/13/11 01:40	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/13/11 01:40	109-99-9	
Toluene	ND	ug/L	1.0	1		05/13/11 01:40	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/13/11 01:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/13/11 01:40	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/13/11 01:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/13/11 01:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/13/11 01:40	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/13/11 01:40	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		05/13/11 01:40	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		05/13/11 01:40	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/13/11 01:40	95-47-6	
4-Bromofluorobenzene (S)	96	%	70-130	1		05/13/11 01:40	460-00-4	
Dibromofluoromethane (S)	108	%	70-130	1		05/13/11 01:40	1868-53-7	
1,2-Dichloroethane-d4 (S)	122	%	70-130	1		05/13/11 01:40	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		05/13/11 01:40	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-7 **Lab ID: 9293731008** Collected: 05/10/11 13:20 Received: 05/10/11 18:01 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		05/18/11 09:13		
Collected Date	**05/10/11**			1		05/18/11 09:13		
Collected Time	**13:20**			1		05/18/11 09:13		
Field pH	**5.60**	Std. Units		1		05/18/11 09:13		
Field Temperature	**16.2**	deg C		1		05/18/11 09:13		
Static Water Level	**37.99**	feet		1		05/18/11 09:13		
Field Specific Conductance	**193**	umhos/cm		1		05/18/11 09:13		
Oxygen, Dissolved	**3.2**	mg/L		1		05/18/11 09:13	7782-44-7	
Total Well Depth	**48**	feet		1		05/18/11 09:13		
REDOX	**245**	mV		1		05/18/11 09:13		
Turbidity	**40**	NTU		1		05/18/11 09:13		
Odor	**NONE**			1		05/18/11 09:13		
Appearance	**CLEAR**			1		05/18/11 09:13		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	05/16/11 12:30	05/19/11 18:53	7440-38-2	
Barium	**104**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:38	7440-39-3	
Cadmium	ND	ug/L	1.0	1	05/16/11 12:30	05/17/11 23:38	7440-43-9	
Chromium	ND	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:38	7440-47-3	
Lead	ND	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:38	7439-92-1	
Selenium	ND	ug/L	10.0	1	05/16/11 12:30	05/17/11 23:38	7782-49-2	
Silver	**0.84J**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:38	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	05/23/11 11:40	05/24/11 14:27	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/13/11 02:06	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		05/13/11 02:06	107-13-1	
Benzene	ND	ug/L	1.0	1		05/13/11 02:06	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/13/11 02:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/13/11 02:06	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/13/11 02:06	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/13/11 02:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/13/11 02:06	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/13/11 02:06	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/13/11 02:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/13/11 02:06	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/13/11 02:06	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/13/11 02:06	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/13/11 02:06	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/13/11 02:06	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/13/11 02:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/13/11 02:06	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/13/11 02:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 02:06	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-7 **Lab ID: 9293731008** Collected: 05/10/11 13:20 Received: 05/10/11 18:01 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 02:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		05/13/11 02:06	110-57-6	
1,1-Dichloroethane	**3.8**	ug/L	1.0	1		05/13/11 02:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/13/11 02:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/13/11 02:06	75-35-4	
cis-1,2-Dichloroethene	**0.71J**	ug/L	1.0	1		05/13/11 02:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 02:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/13/11 02:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 02:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 02:06	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		05/13/11 02:06	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/13/11 02:06	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/13/11 02:06	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		05/13/11 02:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/13/11 02:06	108-10-1	
Styrene	ND	ug/L	1.0	1		05/13/11 02:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 02:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 02:06	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/13/11 02:06	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/13/11 02:06	109-99-9	
Toluene	ND	ug/L	1.0	1		05/13/11 02:06	108-88-3	
1,1,1-Trichloroethane	**0.82J**	ug/L	1.0	1		05/13/11 02:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/13/11 02:06	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/13/11 02:06	79-01-6	
Trichlorofluoromethane	**0.48J**	ug/L	1.0	1		05/13/11 02:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/13/11 02:06	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/13/11 02:06	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		05/13/11 02:06	75-01-4	
m&p-Xylene	**1.4J**	ug/L	2.0	1		05/13/11 02:06	179601-23-1	
o-Xylene	**0.39J**	ug/L	1.0	1		05/13/11 02:06	95-47-6	
4-Bromofluorobenzene (S)	97	%	70-130	1		05/13/11 02:06	460-00-4	
Dibromofluoromethane (S)	109	%	70-130	1		05/13/11 02:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	125	%	70-130	1		05/13/11 02:06	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		05/13/11 02:06	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-1R **Lab ID: 9293731009** Collected: 05/10/11 14:15 Received: 05/10/11 18:01 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		05/18/11 09:12		
Collected Date	**05/10/11**			1		05/18/11 09:12		
Collected Time	**14:15**			1		05/18/11 09:12		
Field pH	**5.8**	Std. Units		1		05/18/11 09:12		
Field Temperature	**17.0**	deg C		1		05/18/11 09:12		
Static Water Level	**35.93**	feet		1		05/18/11 09:12		
Field Specific Conductance	**110**	umhos/cm		1		05/18/11 09:12		
Oxygen, Dissolved	**6.3**	mg/L		1		05/18/11 09:12	7782-44-7	
Total Well Depth	**60**	feet		1		05/18/11 09:12		
REDOX	**263**	mV		1		05/18/11 09:12		
Turbidity	**55**	NTU		1		05/18/11 09:12		
Odor	**NONE**			1		05/18/11 09:12		
Appearance	**CLEAR**			1		05/18/11 09:12		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	05/16/11 12:30	05/19/11 18:57	7440-38-2	
Barium	**84.7**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:53	7440-39-3	
Cadmium	ND	ug/L	1.0	1	05/16/11 12:30	05/17/11 23:53	7440-43-9	
Chromium	**1.4J**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:53	7440-47-3	
Lead	ND	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:53	7439-92-1	
Selenium	ND	ug/L	10.0	1	05/16/11 12:30	05/17/11 23:53	7782-49-2	
Silver	**0.51J**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:53	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	05/23/11 11:40	05/24/11 14:29	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/13/11 02:31	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		05/13/11 02:31	107-13-1	
Benzene	ND	ug/L	1.0	1		05/13/11 02:31	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/13/11 02:31	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/13/11 02:31	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/13/11 02:31	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/13/11 02:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/13/11 02:31	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/13/11 02:31	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/13/11 02:31	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/13/11 02:31	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/13/11 02:31	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/13/11 02:31	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/13/11 02:31	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/13/11 02:31	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/13/11 02:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/13/11 02:31	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/13/11 02:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 02:31	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-1R **Lab ID: 9293731009** Collected: 05/10/11 14:15 Received: 05/10/11 18:01 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 02:31	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		05/13/11 02:31	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/13/11 02:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/13/11 02:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/13/11 02:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 02:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 02:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/13/11 02:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 02:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 02:31	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		05/13/11 02:31	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/13/11 02:31	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/13/11 02:31	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		05/13/11 02:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/13/11 02:31	108-10-1	
Styrene	ND	ug/L	1.0	1		05/13/11 02:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 02:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 02:31	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/13/11 02:31	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/13/11 02:31	109-99-9	
Toluene	ND	ug/L	1.0	1		05/13/11 02:31	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/13/11 02:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/13/11 02:31	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/13/11 02:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/13/11 02:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/13/11 02:31	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/13/11 02:31	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		05/13/11 02:31	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		05/13/11 02:31	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/13/11 02:31	95-47-6	
4-Bromofluorobenzene (S)	98	%	70-130	1		05/13/11 02:31	460-00-4	
Dibromofluoromethane (S)	109	%	70-130	1		05/13/11 02:31	1868-53-7	
1,2-Dichloroethane-d4 (S)	124	%	70-130	1		05/13/11 02:31	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		05/13/11 02:31	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-2R **Lab ID: 9293731010** Collected: 05/10/11 15:20 Received: 05/10/11 18:01 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		05/18/11 09:11		
Collected Date	**05/10/11**			1		05/18/11 09:11		
Collected Time	**15:20**			1		05/18/11 09:11		
Field pH	**5.9**	Std. Units		1		05/18/11 09:11		
Field Temperature	**16.0**	deg C		1		05/18/11 09:11		
Static Water Level	**8.17**	feet		1		05/18/11 09:11		
Field Specific Conductance	**687**	umhos/cm		1		05/18/11 09:11		
Oxygen, Dissolved	**3.9**	mg/L		1		05/18/11 09:11	7782-44-7	
Total Well Depth	**21**	feet		1		05/18/11 09:11		
REDOX	**71**	mV		1		05/18/11 09:11		
Turbidity	**57**	NTU		1		05/18/11 09:11		
Odor	**NONE**			1		05/18/11 09:11		
Appearance	**CLEAR**			1		05/18/11 09:11		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	05/16/11 12:30	05/19/11 19:01	7440-38-2	
Barium	**273**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:57	7440-39-3	
Cadmium	ND	ug/L	1.0	1	05/16/11 12:30	05/17/11 23:57	7440-43-9	
Chromium	**5.4**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:57	7440-47-3	
Lead	ND	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:57	7439-92-1	
Selenium	ND	ug/L	10.0	1	05/16/11 12:30	05/17/11 23:57	7782-49-2	
Silver	**2.5J**	ug/L	5.0	1	05/16/11 12:30	05/17/11 23:57	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	05/23/11 11:40	05/24/11 14:32	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/13/11 02:57	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		05/13/11 02:57	107-13-1	
Benzene	**1.3**	ug/L	1.0	1		05/13/11 02:57	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/13/11 02:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/13/11 02:57	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/13/11 02:57	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/13/11 02:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/13/11 02:57	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/13/11 02:57	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/13/11 02:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/13/11 02:57	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/13/11 02:57	75-00-3	
Chloroform	**0.36J**	ug/L	1.0	1		05/13/11 02:57	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/13/11 02:57	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/13/11 02:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/13/11 02:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/13/11 02:57	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/13/11 02:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 02:57	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-2R **Lab ID: 9293731010** Collected: 05/10/11 15:20 Received: 05/10/11 18:01 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 02:57	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		05/13/11 02:57	110-57-6	
1,1-Dichloroethane	**1.1**	ug/L	1.0	1		05/13/11 02:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/13/11 02:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/13/11 02:57	75-35-4	
cis-1,2-Dichloroethene	**0.26J**	ug/L	1.0	1		05/13/11 02:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 02:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/13/11 02:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 02:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 02:57	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		05/13/11 02:57	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/13/11 02:57	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/13/11 02:57	74-88-4	
Methylene Chloride	**4.1**	ug/L	1.0	1		05/13/11 02:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/13/11 02:57	108-10-1	
Styrene	ND	ug/L	1.0	1		05/13/11 02:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 02:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 02:57	79-34-5	
Tetrachloroethene	**1.4**	ug/L	1.0	1		05/13/11 02:57	127-18-4	
Tetrahydrofuran	**226**	ug/L	10.0	1		05/13/11 02:57	109-99-9	
Toluene	ND	ug/L	1.0	1		05/13/11 02:57	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/13/11 02:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/13/11 02:57	79-00-5	
Trichloroethene	**0.65J**	ug/L	1.0	1		05/13/11 02:57	79-01-6	
Trichlorofluoromethane	**31.6**	ug/L	1.0	1		05/13/11 02:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/13/11 02:57	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/13/11 02:57	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		05/13/11 02:57	75-01-4	
m&p-Xylene	**0.74J**	ug/L	2.0	1		05/13/11 02:57	179601-23-1	
o-Xylene	**0.84J**	ug/L	1.0	1		05/13/11 02:57	95-47-6	
4-Bromofluorobenzene (S)	99	%	70-130	1		05/13/11 02:57	460-00-4	
Dibromofluoromethane (S)	111	%	70-130	1		05/13/11 02:57	1868-53-7	
1,2-Dichloroethane-d4 (S)	124	%	70-130	1		05/13/11 02:57	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		05/13/11 02:57	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: SW-1 **Lab ID: 9293731011** Collected: 05/10/11 15:40 Received: 05/10/11 18:01 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		05/18/11 09:10		
Collected Date	**05/10/11**			1		05/18/11 09:10		
Collected Time	**15:40**			1		05/18/11 09:10		
Field pH	**6.4**	Std. Units		1		05/18/11 09:10		
Field Temperature	**19.7**	deg C		1		05/18/11 09:10		
Field Specific Conductance	**295**	umhos/cm		1		05/18/11 09:10		
Oxygen, Dissolved	**6.6**	mg/L		1		05/18/11 09:10	7782-44-7	
REDOX	**-15**	mV		1		05/18/11 09:10		
Turbidity	**50**	NTU		1		05/18/11 09:10		
Odor	**NONE**			1		05/18/11 09:10		
Appearance	**ALGAE**			1		05/18/11 09:10		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	05/16/11 12:30	05/19/11 19:15	7440-38-2	
Barium	**69.9**	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:02	7440-39-3	
Cadmium	ND	ug/L	1.0	1	05/16/11 12:30	05/18/11 00:02	7440-43-9	
Chromium	ND	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:02	7440-47-3	
Lead	ND	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:02	7439-92-1	
Selenium	ND	ug/L	10.0	1	05/16/11 12:30	05/18/11 00:02	7782-49-2	
Silver	**0.40J**	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:02	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	05/23/11 11:40	05/24/11 14:35	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/13/11 03:22	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		05/13/11 03:22	107-13-1	
Benzene	ND	ug/L	1.0	1		05/13/11 03:22	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/13/11 03:22	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/13/11 03:22	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/13/11 03:22	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/13/11 03:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/13/11 03:22	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/13/11 03:22	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/13/11 03:22	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/13/11 03:22	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/13/11 03:22	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/13/11 03:22	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/13/11 03:22	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/13/11 03:22	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/13/11 03:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/13/11 03:22	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/13/11 03:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 03:22	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 03:22	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		05/13/11 03:22	110-57-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: SW-1 **Lab ID: 9293731011** Collected: 05/10/11 15:40 Received: 05/10/11 18:01 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	1.0	1		05/13/11 03:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/13/11 03:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/13/11 03:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 03:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 03:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/13/11 03:22	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 03:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 03:22	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		05/13/11 03:22	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/13/11 03:22	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/13/11 03:22	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		05/13/11 03:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/13/11 03:22	108-10-1	
Styrene	ND	ug/L	1.0	1		05/13/11 03:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 03:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 03:22	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/13/11 03:22	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/13/11 03:22	109-99-9	
Toluene	ND	ug/L	1.0	1		05/13/11 03:22	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/13/11 03:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/13/11 03:22	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/13/11 03:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/13/11 03:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/13/11 03:22	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/13/11 03:22	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		05/13/11 03:22	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		05/13/11 03:22	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/13/11 03:22	95-47-6	
4-Bromofluorobenzene (S)	96	%	70-130	1		05/13/11 03:22	460-00-4	
Dibromofluoromethane (S)	111	%	70-130	1		05/13/11 03:22	1868-53-7	
1,2-Dichloroethane-d4 (S)	126	%	70-130	1		05/13/11 03:22	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		05/13/11 03:22	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: Trip Blank **Lab ID: 9293731012** Collected: 05/09/11 08:00 Received: 05/11/11 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/13/11 19:26	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		05/13/11 19:26	107-13-1	
Benzene	ND	ug/L	1.0	1		05/13/11 19:26	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/13/11 19:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/13/11 19:26	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/13/11 19:26	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/13/11 19:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/13/11 19:26	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/13/11 19:26	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/13/11 19:26	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/13/11 19:26	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/13/11 19:26	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/13/11 19:26	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/13/11 19:26	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/13/11 19:26	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/13/11 19:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/13/11 19:26	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/13/11 19:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 19:26	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 19:26	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		05/13/11 19:26	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/13/11 19:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/13/11 19:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/13/11 19:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 19:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 19:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/13/11 19:26	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 19:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 19:26	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		05/13/11 19:26	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/13/11 19:26	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/13/11 19:26	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		05/13/11 19:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/13/11 19:26	108-10-1	
Styrene	ND	ug/L	1.0	1		05/13/11 19:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 19:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 19:26	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/13/11 19:26	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/13/11 19:26	109-99-9	
Toluene	ND	ug/L	1.0	1		05/13/11 19:26	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/13/11 19:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/13/11 19:26	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/13/11 19:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/13/11 19:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/13/11 19:26	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/13/11 19:26	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		05/13/11 19:26	75-01-4	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: Trip Blank **Lab ID: 9293731012** Collected: 05/09/11 08:00 Received: 05/11/11 16:05 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		05/13/11 19:26	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/13/11 19:26	95-47-6	
4-Bromofluorobenzene (S)	97	%	70-130	1		05/13/11 19:26	460-00-4	
Dibromofluoromethane (S)	104	%	70-130	1		05/13/11 19:26	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	70-130	1		05/13/11 19:26	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		05/13/11 19:26	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-3R **Lab ID: 9293731013** Collected: 05/11/11 09:45 Received: 05/11/11 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		05/18/11 09:03		
Collected Date	**05/11/11**			1		05/18/11 09:03		
Collected Time	**09:45**			1		05/18/11 09:03		
Field pH	**6.2**	Std. Units		1		05/18/11 09:03		
Field Temperature	**14.6**	deg C		1		05/18/11 09:03		
Static Water Level	**20.56**	feet		1		05/18/11 09:03		
Field Specific Conductance	**409**	umhos/cm		1		05/18/11 09:03		
Oxygen, Dissolved	**6.3**	mg/L		1		05/18/11 09:03	7782-44-7	
Total Well Depth	**27**	feet		1		05/18/11 09:03		
REDOX	**-43**	mV		1		05/18/11 09:03		
Turbidity	**70**	NTU		1		05/18/11 09:03		
Odor	**NONE**			1		05/18/11 09:03		
Appearance	**HAZY**			1		05/18/11 09:03		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	05/16/11 12:30	05/19/11 19:19	7440-38-2	
Barium	**301**	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:06	7440-39-3	
Cadmium	ND	ug/L	1.0	1	05/16/11 12:30	05/18/11 00:06	7440-43-9	
Chromium	ND	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:06	7440-47-3	
Lead	ND	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:06	7439-92-1	
Selenium	ND	ug/L	10.0	1	05/16/11 12:30	05/18/11 00:06	7782-49-2	
Silver	**0.60J**	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:06	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	05/23/11 10:35	05/24/11 16:23	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/13/11 19:52	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		05/13/11 19:52	107-13-1	
Benzene	ND	ug/L	1.0	1		05/13/11 19:52	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/13/11 19:52	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/13/11 19:52	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/13/11 19:52	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/13/11 19:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/13/11 19:52	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/13/11 19:52	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/13/11 19:52	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/13/11 19:52	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/13/11 19:52	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/13/11 19:52	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/13/11 19:52	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/13/11 19:52	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/13/11 19:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/13/11 19:52	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/13/11 19:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 19:52	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-3R **Lab ID: 9293731013** Collected: 05/11/11 09:45 Received: 05/11/11 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 19:52	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		05/13/11 19:52	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/13/11 19:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/13/11 19:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/13/11 19:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 19:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 19:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/13/11 19:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 19:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 19:52	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		05/13/11 19:52	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/13/11 19:52	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/13/11 19:52	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		05/13/11 19:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/13/11 19:52	108-10-1	
Styrene	ND	ug/L	1.0	1		05/13/11 19:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 19:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 19:52	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/13/11 19:52	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/13/11 19:52	109-99-9	
Toluene	ND	ug/L	1.0	1		05/13/11 19:52	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/13/11 19:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/13/11 19:52	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/13/11 19:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/13/11 19:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/13/11 19:52	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/13/11 19:52	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		05/13/11 19:52	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		05/13/11 19:52	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/13/11 19:52	95-47-6	
4-Bromofluorobenzene (S)	96	%	70-130	1		05/13/11 19:52	460-00-4	
Dibromofluoromethane (S)	105	%	70-130	1		05/13/11 19:52	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		05/13/11 19:52	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		05/13/11 19:52	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-5R **Lab ID: 9293731014** Collected: 05/11/11 10:25 Received: 05/11/11 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		05/18/11 09:06		
Collected Date	**05/11/11**			1		05/18/11 09:06		
Collected Time	**10:25**			1		05/18/11 09:06		
Field pH	**6.1**	Std. Units		1		05/18/11 09:06		
Field Temperature	**15.5**	deg C		1		05/18/11 09:06		
Static Water Level	**10.44**	feet		1		05/18/11 09:06		
Field Specific Conductance	**208**	umhos/cm		1		05/18/11 09:06		
Oxygen, Dissolved	**9.0**	mg/L		1		05/18/11 09:06	7782-44-7	
Total Well Depth	**30**	feet		1		05/18/11 09:06		
REDOX	**141**	mV		1		05/18/11 09:06		
Turbidity	**85**	NTU		1		05/18/11 09:06		
Odor	**NONE**			1		05/18/11 09:06		
Appearance	**HAZY**			1		05/18/11 09:06		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	05/16/11 12:30	05/19/11 19:23	7440-38-2	
Barium	**63.7**	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:11	7440-39-3	
Cadmium	ND	ug/L	1.0	1	05/16/11 12:30	05/18/11 00:11	7440-43-9	
Chromium	**7.6**	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:11	7440-47-3	
Lead	ND	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:11	7439-92-1	
Selenium	ND	ug/L	10.0	1	05/16/11 12:30	05/18/11 00:11	7782-49-2	
Silver	**0.57J**	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:11	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	05/23/11 10:35	05/24/11 16:25	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/13/11 20:17	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		05/13/11 20:17	107-13-1	
Benzene	ND	ug/L	1.0	1		05/13/11 20:17	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/13/11 20:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/13/11 20:17	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/13/11 20:17	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/13/11 20:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/13/11 20:17	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/13/11 20:17	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/13/11 20:17	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/13/11 20:17	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/13/11 20:17	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/13/11 20:17	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/13/11 20:17	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/13/11 20:17	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/13/11 20:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/13/11 20:17	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/13/11 20:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 20:17	95-50-1	

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9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-5R **Lab ID: 9293731014** Collected: 05/11/11 10:25 Received: 05/11/11 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 20:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		05/13/11 20:17	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/13/11 20:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/13/11 20:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/13/11 20:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 20:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 20:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/13/11 20:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 20:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 20:17	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		05/13/11 20:17	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/13/11 20:17	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/13/11 20:17	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		05/13/11 20:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/13/11 20:17	108-10-1	
Styrene	ND	ug/L	1.0	1		05/13/11 20:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 20:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 20:17	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/13/11 20:17	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/13/11 20:17	109-99-9	
Toluene	ND	ug/L	1.0	1		05/13/11 20:17	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/13/11 20:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/13/11 20:17	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/13/11 20:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/13/11 20:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/13/11 20:17	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/13/11 20:17	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		05/13/11 20:17	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		05/13/11 20:17	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/13/11 20:17	95-47-6	
4-Bromofluorobenzene (S)	98	%	70-130	1		05/13/11 20:17	460-00-4	
Dibromofluoromethane (S)	105	%	70-130	1		05/13/11 20:17	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		05/13/11 20:17	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		05/13/11 20:17	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-11 **Lab ID: 9293731015** Collected: 05/11/11 11:30 Received: 05/11/11 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		05/18/11 09:05		
Collected Date	**05/11/11**			1		05/18/11 09:05		
Collected Time	**11:30**			1		05/18/11 09:05		
Field pH	**6.2**	Std. Units		1		05/18/11 09:05		
Field Temperature	**15.6**	deg C		1		05/18/11 09:05		
Static Water Level	**4.00**	feet		1		05/18/11 09:05		
Field Specific Conductance	**321**	umhos/cm		1		05/18/11 09:05		
Oxygen, Dissolved	**4.3**	mg/L		1		05/18/11 09:05	7782-44-7	
Total Well Depth	**20.0**	feet		1		05/18/11 09:05		
REDOX	**-36**	mV		1		05/18/11 09:05		
Turbidity	**23**	NTU		1		05/18/11 09:05		
Odor	**NONE**			1		05/18/11 09:05		
Appearance	**CLEAR**			1		05/18/11 09:05		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	05/16/11 12:30	05/19/11 19:27	7440-38-2	
Barium	**56.2**	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:15	7440-39-3	
Cadmium	ND	ug/L	1.0	1	05/16/11 12:30	05/18/11 00:15	7440-43-9	
Chromium	ND	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:15	7440-47-3	
Lead	ND	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:15	7439-92-1	
Selenium	ND	ug/L	10.0	1	05/16/11 12:30	05/18/11 00:15	7782-49-2	
Silver	**1.2J**	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:15	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	05/23/11 10:35	05/24/11 16:28	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/13/11 20:43	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		05/13/11 20:43	107-13-1	
Benzene	ND	ug/L	1.0	1		05/13/11 20:43	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/13/11 20:43	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/13/11 20:43	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/13/11 20:43	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/13/11 20:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/13/11 20:43	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/13/11 20:43	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/13/11 20:43	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/13/11 20:43	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/13/11 20:43	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/13/11 20:43	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/13/11 20:43	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/13/11 20:43	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/13/11 20:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/13/11 20:43	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/13/11 20:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 20:43	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-11 **Lab ID: 9293731015** Collected: 05/11/11 11:30 Received: 05/11/11 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 20:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		05/13/11 20:43	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/13/11 20:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/13/11 20:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/13/11 20:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 20:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 20:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/13/11 20:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 20:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 20:43	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		05/13/11 20:43	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/13/11 20:43	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/13/11 20:43	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		05/13/11 20:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/13/11 20:43	108-10-1	
Styrene	ND	ug/L	1.0	1		05/13/11 20:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 20:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 20:43	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/13/11 20:43	127-18-4	
Tetrahydrofuran	**12.1**	ug/L	10.0	1		05/13/11 20:43	109-99-9	
Toluene	ND	ug/L	1.0	1		05/13/11 20:43	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/13/11 20:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/13/11 20:43	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/13/11 20:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/13/11 20:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/13/11 20:43	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/13/11 20:43	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		05/13/11 20:43	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		05/13/11 20:43	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/13/11 20:43	95-47-6	
4-Bromofluorobenzene (S)	94	%	70-130	1		05/13/11 20:43	460-00-4	
Dibromofluoromethane (S)	105	%	70-130	1		05/13/11 20:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	70-130	1		05/13/11 20:43	17060-07-0	
Toluene-d8 (S)	97	%	70-130	1		05/13/11 20:43	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-12 **Lab ID: 9293731016** Collected: 05/11/11 12:40 Received: 05/11/11 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		05/18/11 09:04		
Collected Date	**05/11/11**			1		05/18/11 09:04		
Collected Time	**12:40**			1		05/18/11 09:04		
Field pH	**6.0**	Std. Units		1		05/18/11 09:04		
Field Temperature	**15.0**	deg C		1		05/18/11 09:04		
Static Water Level	**4.91**	feet		1		05/18/11 09:04		
Field Specific Conductance	**179**	umhos/cm		1		05/18/11 09:04		
Oxygen, Dissolved	**7.4**	mg/L		1		05/18/11 09:04	7782-44-7	
Total Well Depth	**15.58**	feet		1		05/18/11 09:04		
REDOX	**188**	mV		1		05/18/11 09:04		
Turbidity	**25**	NTU		1		05/18/11 09:04		
Odor	**NONE**			1		05/18/11 09:04		
Appearance	**CLEAR**			1		05/18/11 09:04		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	05/16/11 12:30	05/19/11 19:30	7440-38-2	
Barium	**39.1**	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:20	7440-39-3	
Cadmium	ND	ug/L	1.0	1	05/16/11 12:30	05/18/11 00:20	7440-43-9	
Chromium	**2.6J**	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:20	7440-47-3	
Lead	ND	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:20	7439-92-1	
Selenium	ND	ug/L	10.0	1	05/16/11 12:30	05/18/11 00:20	7782-49-2	
Silver	**0.70J**	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:20	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	05/23/11 10:35	05/24/11 16:31	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/13/11 21:08	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		05/13/11 21:08	107-13-1	
Benzene	ND	ug/L	1.0	1		05/13/11 21:08	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/13/11 21:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/13/11 21:08	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/13/11 21:08	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/13/11 21:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/13/11 21:08	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/13/11 21:08	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/13/11 21:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/13/11 21:08	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/13/11 21:08	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/13/11 21:08	67-66-3	
Chloromethane	**0.21J**	ug/L	1.0	1		05/13/11 21:08	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/13/11 21:08	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/13/11 21:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/13/11 21:08	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/13/11 21:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 21:08	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-12 **Lab ID: 9293731016** Collected: 05/11/11 12:40 Received: 05/11/11 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 21:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		05/13/11 21:08	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/13/11 21:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/13/11 21:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/13/11 21:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 21:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 21:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/13/11 21:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 21:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 21:08	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		05/13/11 21:08	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/13/11 21:08	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/13/11 21:08	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		05/13/11 21:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/13/11 21:08	108-10-1	
Styrene	ND	ug/L	1.0	1		05/13/11 21:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 21:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 21:08	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/13/11 21:08	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/13/11 21:08	109-99-9	
Toluene	ND	ug/L	1.0	1		05/13/11 21:08	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/13/11 21:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/13/11 21:08	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/13/11 21:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/13/11 21:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/13/11 21:08	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/13/11 21:08	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		05/13/11 21:08	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		05/13/11 21:08	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/13/11 21:08	95-47-6	
4-Bromofluorobenzene (S)	96	%	70-130	1		05/13/11 21:08	460-00-4	
Dibromofluoromethane (S)	104	%	70-130	1		05/13/11 21:08	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	70-130	1		05/13/11 21:08	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		05/13/11 21:08	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-13 **Lab ID: 9293731017** Collected: 05/11/11 13:35 Received: 05/11/11 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		05/18/11 09:09		
Collected Date	**05/11/11**			1		05/18/11 09:09		
Collected Time	**13:35**			1		05/18/11 09:09		
Field pH	**5.6**	Std. Units		1		05/18/11 09:09		
Field Temperature	**15.0**	deg C		1		05/18/11 09:09		
Static Water Level	**8.85**	feet		1		05/18/11 09:09		
Field Specific Conductance	**171**	umhos/cm		1		05/18/11 09:09		
Oxygen, Dissolved	**5.2**	mg/L		1		05/18/11 09:09	7782-44-7	
Total Well Depth	**20.0**	feet		1		05/18/11 09:09		
REDOX	**245**	mV		1		05/18/11 09:09		
Turbidity	**177**	NTU		1		05/18/11 09:09		
Odor	**NONE**			1		05/18/11 09:09		
Appearance	**CLOUDY**			1		05/18/11 09:09		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	05/16/11 12:30	05/19/11 19:33	7440-38-2	
Barium	**164**	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:24	7440-39-3	
Cadmium	ND	ug/L	1.0	1	05/16/11 12:30	05/18/11 00:24	7440-43-9	
Chromium	**3.9J**	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:24	7440-47-3	
Lead	ND	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:24	7439-92-1	
Selenium	ND	ug/L	10.0	1	05/16/11 12:30	05/18/11 00:24	7782-49-2	
Silver	**0.72J**	ug/L	5.0	1	05/16/11 12:30	05/18/11 00:24	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	05/23/11 10:35	05/24/11 16:34	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/13/11 21:34	67-64-1	
Acrylonitrile	ND	ug/L	10.0	1		05/13/11 21:34	107-13-1	
Benzene	ND	ug/L	1.0	1		05/13/11 21:34	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/13/11 21:34	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/13/11 21:34	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/13/11 21:34	75-25-2	
Bromomethane	ND	ug/L	2.0	1		05/13/11 21:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/13/11 21:34	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1		05/13/11 21:34	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/13/11 21:34	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/13/11 21:34	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/13/11 21:34	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/13/11 21:34	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/13/11 21:34	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		05/13/11 21:34	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/13/11 21:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/13/11 21:34	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/13/11 21:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 21:34	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9293731

Sample: MW-13 **Lab ID: 9293731017** Collected: 05/11/11 13:35 Received: 05/11/11 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/13/11 21:34	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1		05/13/11 21:34	110-57-6	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/13/11 21:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/13/11 21:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/13/11 21:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 21:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/13/11 21:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/13/11 21:34	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 21:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/13/11 21:34	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		05/13/11 21:34	100-41-4	
2-Hexanone	ND	ug/L	5.0	1		05/13/11 21:34	591-78-6	
Iodomethane	ND	ug/L	5.0	1		05/13/11 21:34	74-88-4	
Methylene Chloride	ND	ug/L	1.0	1		05/13/11 21:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/13/11 21:34	108-10-1	
Styrene	ND	ug/L	1.0	1		05/13/11 21:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 21:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/13/11 21:34	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/13/11 21:34	127-18-4	
Tetrahydrofuran	**18.6**	ug/L	10.0	1		05/13/11 21:34	109-99-9	
Toluene	ND	ug/L	1.0	1		05/13/11 21:34	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/13/11 21:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/13/11 21:34	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/13/11 21:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/13/11 21:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/13/11 21:34	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		05/13/11 21:34	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		05/13/11 21:34	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		05/13/11 21:34	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/13/11 21:34	95-47-6	
4-Bromofluorobenzene (S)	98	%	70-130	1		05/13/11 21:34	460-00-4	
Dibromofluoromethane (S)	103	%	70-130	1		05/13/11 21:34	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	70-130	1		05/13/11 21:34	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		05/13/11 21:34	2037-26-5	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9293731

QC Batch: MPRP/8371 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9293731002, 9293731003, 9293731004, 9293731005, 9293731007, 9293731008, 9293731009, 9293731010, 9293731011, 9293731013, 9293731014, 9293731015, 9293731016

METHOD BLANK: 606760 Matrix: Water
Associated Lab Samples: 9293731001, 9293731002, 9293731003, 9293731004, 9293731005, 9293731007, 9293731008, 9293731009, 9293731010, 9293731011, 9293731013, 9293731014, 9293731015, 9293731016, 9293731017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	5.0	05/17/11 22:48	
Barium	ug/L	ND	5.0	05/17/11 22:48	
Cadmium	ug/L	ND	1.0	05/17/11 22:48	
Chromium	ug/L	0.41J	5.0	05/17/11 22:48	
Lead	ug/L	ND	5.0	05/17/11 22:48	
Selenium	ug/L	ND	10.0	05/17/11 22:48	
Silver	ug/L	ND	5.0	05/17/11 22:48	

LABORATORY CONTROL SAMPLE: 606761

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	472	94	80-120	
Barium	ug/L	500	471	94	80-120	
Cadmium	ug/L	500	485	97	80-120	
Chromium	ug/L	500	491	98	80-120	
Lead	ug/L	500	479	96	80-120	
Selenium	ug/L	500	470	94	80-120	
Silver	ug/L	250	232	93	80-120	

MATRIX SPIKE SAMPLE: 606762

Parameter	Units	9293731001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	ND	500	472	94	75-125	
Barium	ug/L	27.3	500	497	94	75-125	
Cadmium	ug/L	ND	500	481	96	75-125	
Chromium	ug/L	0.96J	500	490	98	75-125	
Lead	ug/L	ND	500	467	93	75-125	
Selenium	ug/L	ND	500	464	93	75-125	
Silver	ug/L	0.10J	250	231	92	75-125	

SAMPLE DUPLICATE: 606763

Parameter	Units	9293731001 Result	Dup Result	RPD	Qualifiers
Arsenic	ug/L	ND	ND		
Barium	ug/L	27.3	149	138	R1
Cadmium	ug/L	ND	ND		
Chromium	ug/L	0.96J	ND		

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9293731

SAMPLE DUPLICATE: 606763

Parameter	Units	9293731001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	ND	ND		
Selenium	ug/L	ND	ND		
Silver	ug/L	0.10J	0.28J		

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9293731

QC Batch: MERP/3480 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9293731001, 9293731002, 9293731003, 9293731004, 9293731005, 9293731007

METHOD BLANK: 606770 Matrix: Water
Associated Lab Samples: 9293731001, 9293731002, 9293731003, 9293731004, 9293731005, 9293731007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	05/18/11 11:12	

LABORATORY CONTROL SAMPLE: 606771

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.3	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 606772 606773

Parameter	Units	9293946010 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	2.4	2.3	93	90	75-125	3	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 606774 606775

Parameter	Units	9293844001 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	2.3	2.5	91	98	75-125	8	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9293731

QC Batch: MERP/3497 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9293731008, 9293731009, 9293731010, 9293731011

METHOD BLANK: 609668 Matrix: Water
Associated Lab Samples: 9293731008, 9293731009, 9293731010, 9293731011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	05/24/11 14:00	

LABORATORY CONTROL SAMPLE: 609669

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.8	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 609670 609671

Parameter	Units	9293850001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	ND	2500	2500	2380	2330	95	93	75-125	2	D3

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 609672 609673

Parameter	Units	9293850002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	ND	500	250	488	ND	98	0	75-125		D3,M0

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9293731

QC Batch: MERP/3501 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9293731013, 9293731014, 9293731015, 9293731016, 9293731017

METHOD BLANK: 609711 Matrix: Water
Associated Lab Samples: 9293731013, 9293731014, 9293731015, 9293731016, 9293731017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	05/24/11 15:25	

LABORATORY CONTROL SAMPLE: 609712

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.8	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 609713 609714

Parameter	Units	9293860007 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	1.5	63	62	75-125	2	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 609715 609716

Parameter	Units	9293981004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	3.2	2.5	2.5	5.8	6.1	102	114	75-125	5	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9293731

QC Batch: MSV/15187 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9293731001, 9293731002, 9293731003, 9293731004, 9293731005, 9293731006

METHOD BLANK: 603846 Matrix: Water
Associated Lab Samples: 9293731001, 9293731002, 9293731003, 9293731004, 9293731005, 9293731006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/10/11 16:27	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/10/11 16:27	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/10/11 16:27	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/10/11 16:27	
1,1-Dichloroethane	ug/L	ND	1.0	05/10/11 16:27	
1,1-Dichloroethene	ug/L	ND	1.0	05/10/11 16:27	
1,2,3-Trichloropropane	ug/L	ND	1.0	05/10/11 16:27	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	05/10/11 16:27	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/10/11 16:27	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/10/11 16:27	
1,2-Dichloroethane	ug/L	ND	1.0	05/10/11 16:27	
1,2-Dichloropropane	ug/L	ND	1.0	05/10/11 16:27	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/10/11 16:27	
2-Butanone (MEK)	ug/L	ND	5.0	05/10/11 16:27	
2-Hexanone	ug/L	ND	5.0	05/10/11 16:27	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	05/10/11 16:27	
Acetone	ug/L	ND	25.0	05/10/11 16:27	
Acrylonitrile	ug/L	ND	10.0	05/10/11 16:27	
Benzene	ug/L	ND	1.0	05/10/11 16:27	
Bromochloromethane	ug/L	ND	1.0	05/10/11 16:27	
Bromodichloromethane	ug/L	ND	1.0	05/10/11 16:27	
Bromoform	ug/L	ND	1.0	05/10/11 16:27	
Bromomethane	ug/L	ND	2.0	05/10/11 16:27	
Carbon disulfide	ug/L	ND	2.0	05/10/11 16:27	
Carbon tetrachloride	ug/L	ND	1.0	05/10/11 16:27	
Chlorobenzene	ug/L	ND	1.0	05/10/11 16:27	
Chloroethane	ug/L	ND	1.0	05/10/11 16:27	
Chloroform	ug/L	ND	1.0	05/10/11 16:27	
Chloromethane	ug/L	0.22J	1.0	05/10/11 16:27	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/10/11 16:27	
cis-1,3-Dichloropropene	ug/L	ND	1.0	05/10/11 16:27	
Dibromochloromethane	ug/L	ND	1.0	05/10/11 16:27	
Dibromomethane	ug/L	ND	1.0	05/10/11 16:27	
Ethylbenzene	ug/L	ND	1.0	05/10/11 16:27	
Iodomethane	ug/L	ND	5.0	05/10/11 16:27	
m&p-Xylene	ug/L	ND	2.0	05/10/11 16:27	
Methylene Chloride	ug/L	ND	1.0	05/10/11 16:27	
o-Xylene	ug/L	ND	1.0	05/10/11 16:27	
Styrene	ug/L	ND	1.0	05/10/11 16:27	
Tetrachloroethene	ug/L	ND	1.0	05/10/11 16:27	
Tetrahydrofuran	ug/L	ND	10.0	05/10/11 16:27	
Toluene	ug/L	ND	1.0	05/10/11 16:27	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/10/11 16:27	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9293731

METHOD BLANK: 603846 Matrix: Water

Associated Lab Samples: 9293731001, 9293731002, 9293731003, 9293731004, 9293731005, 9293731006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	05/10/11 16:27	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	05/10/11 16:27	
Trichloroethene	ug/L	ND	1.0	05/10/11 16:27	
Trichlorofluoromethane	ug/L	ND	1.0	05/10/11 16:27	
Vinyl acetate	ug/L	ND	2.0	05/10/11 16:27	
Vinyl chloride	ug/L	ND	1.0	05/10/11 16:27	
1,2-Dichloroethane-d4 (S)	%	103	70-130	05/10/11 16:27	
4-Bromofluorobenzene (S)	%	97	70-130	05/10/11 16:27	
Dibromofluoromethane (S)	%	99	70-130	05/10/11 16:27	
Toluene-d8 (S)	%	100	70-130	05/10/11 16:27	

LABORATORY CONTROL SAMPLE: 603847

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.0	108	70-130	
1,1,1-Trichloroethane	ug/L	50	50.5	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.4	103	70-130	
1,1,2-Trichloroethane	ug/L	50	51.0	102	70-130	
1,1-Dichloroethane	ug/L	50	52.9	106	70-130	
1,1-Dichloroethene	ug/L	50	50.0	100	70-132	
1,2,3-Trichloropropane	ug/L	50	49.5	99	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	52.4	105	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.2	102	70-130	
1,2-Dichlorobenzene	ug/L	50	51.7	103	70-130	
1,2-Dichloroethane	ug/L	50	50.7	101	70-130	
1,2-Dichloropropane	ug/L	50	50.4	101	70-130	
1,4-Dichlorobenzene	ug/L	50	50.1	100	70-130	
2-Butanone (MEK)	ug/L	100	97.9	98	70-145	
2-Hexanone	ug/L	100	103	103	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	101	101	70-140	
Acetone	ug/L	100	91.3	91	50-175	
Acrylonitrile	ug/L	250	235	94	70-143	
Benzene	ug/L	50	49.0	98	70-130	
Bromochloromethane	ug/L	50	48.6	97	70-130	
Bromodichloromethane	ug/L	50	51.3	103	70-130	
Bromoform	ug/L	50	52.8	106	70-130	
Bromomethane	ug/L	50	43.8	88	54-130	
Carbon disulfide	ug/L	50	50.6	101	70-131	
Carbon tetrachloride	ug/L	50	51.5	103	70-132	
Chlorobenzene	ug/L	50	50.1	100	70-130	
Chloroethane	ug/L	50	46.5	93	64-134	
Chloroform	ug/L	50	50.7	101	70-130	
Chloromethane	ug/L	50	48.1	96	64-130	
cis-1,2-Dichloroethene	ug/L	50	50.6	101	70-131	
cis-1,3-Dichloropropene	ug/L	50	50.6	101	70-130	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9293731

LABORATORY CONTROL SAMPLE: 603847

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	51.9	104	70-130	
Dibromomethane	ug/L	50	53.7	107	70-131	
Ethylbenzene	ug/L	50	51.1	102	70-130	
Iodomethane	ug/L	100	94.2	94	49-180	
m&p-Xylene	ug/L	100	101	101	70-130	
Methylene Chloride	ug/L	50	48.0	96	63-130	
o-Xylene	ug/L	50	51.1	102	70-130	
Styrene	ug/L	50	52.7	105	70-130	
Tetrachloroethene	ug/L	50	53.5	107	70-130	
Tetrahydrofuran	ug/L	500	500	100	70-130	
Toluene	ug/L	50	50.3	101	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.0	102	70-130	
trans-1,3-Dichloropropene	ug/L	50	53.3	107	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	55.6	111	70-141	
Trichloroethene	ug/L	50	50.4	101	70-130	
Trichlorofluoromethane	ug/L	50	49.0	98	62-133	
Vinyl acetate	ug/L	100	105	105	66-157	
Vinyl chloride	ug/L	50	48.5	97	69-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 603848 603849

Parameter	Units	9293731005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	55.8	54.1	112	108	70-166	3	
Benzene	ug/L	ND	50	50	59.6	56.5	119	113	70-148	5	
Chlorobenzene	ug/L	ND	50	50	59.1	56.7	118	113	70-146	4	
Toluene	ug/L	ND	50	50	59.1	56.9	118	114	70-155	4	
Trichloroethene	ug/L	ND	50	50	60.1	57.1	120	114	69-151	5	
1,2-Dichloroethane-d4 (S)	%						99	103	70-130		
4-Bromofluorobenzene (S)	%						97	98	70-130		
Dibromofluoromethane (S)	%						99	97	70-130		
Toluene-d8 (S)	%						99	98	70-130		

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9293731

QC Batch: MSV/15230 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9293731007, 9293731008, 9293731009, 9293731010, 9293731011

METHOD BLANK: 605443 Matrix: Water
Associated Lab Samples: 9293731007, 9293731008, 9293731009, 9293731010, 9293731011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/13/11 01:15	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/13/11 01:15	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/13/11 01:15	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/13/11 01:15	
1,1-Dichloroethane	ug/L	ND	1.0	05/13/11 01:15	
1,1-Dichloroethene	ug/L	ND	1.0	05/13/11 01:15	
1,2,3-Trichloropropane	ug/L	ND	1.0	05/13/11 01:15	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	05/13/11 01:15	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/13/11 01:15	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/13/11 01:15	
1,2-Dichloroethane	ug/L	ND	1.0	05/13/11 01:15	
1,2-Dichloropropane	ug/L	ND	1.0	05/13/11 01:15	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/13/11 01:15	
2-Butanone (MEK)	ug/L	ND	5.0	05/13/11 01:15	
2-Hexanone	ug/L	ND	5.0	05/13/11 01:15	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	05/13/11 01:15	
Acetone	ug/L	ND	25.0	05/13/11 01:15	
Acrylonitrile	ug/L	ND	10.0	05/13/11 01:15	
Benzene	ug/L	ND	1.0	05/13/11 01:15	
Bromochloromethane	ug/L	ND	1.0	05/13/11 01:15	
Bromodichloromethane	ug/L	ND	1.0	05/13/11 01:15	
Bromoform	ug/L	ND	1.0	05/13/11 01:15	
Bromomethane	ug/L	ND	2.0	05/13/11 01:15	
Carbon disulfide	ug/L	ND	2.0	05/13/11 01:15	
Carbon tetrachloride	ug/L	ND	1.0	05/13/11 01:15	
Chlorobenzene	ug/L	ND	1.0	05/13/11 01:15	
Chloroethane	ug/L	ND	1.0	05/13/11 01:15	
Chloroform	ug/L	ND	1.0	05/13/11 01:15	
Chloromethane	ug/L	ND	1.0	05/13/11 01:15	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/13/11 01:15	
cis-1,3-Dichloropropene	ug/L	ND	1.0	05/13/11 01:15	
Dibromochloromethane	ug/L	ND	1.0	05/13/11 01:15	
Dibromomethane	ug/L	ND	1.0	05/13/11 01:15	
Ethylbenzene	ug/L	ND	1.0	05/13/11 01:15	
Iodomethane	ug/L	ND	5.0	05/13/11 01:15	
m&p-Xylene	ug/L	ND	2.0	05/13/11 01:15	
Methylene Chloride	ug/L	ND	1.0	05/13/11 01:15	
o-Xylene	ug/L	ND	1.0	05/13/11 01:15	
Styrene	ug/L	ND	1.0	05/13/11 01:15	
Tetrachloroethene	ug/L	ND	1.0	05/13/11 01:15	
Tetrahydrofuran	ug/L	ND	10.0	05/13/11 01:15	
Toluene	ug/L	ND	1.0	05/13/11 01:15	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/13/11 01:15	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9293731

METHOD BLANK: 605443 Matrix: Water

Associated Lab Samples: 9293731007, 9293731008, 9293731009, 9293731010, 9293731011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	05/13/11 01:15	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	05/13/11 01:15	
Trichloroethene	ug/L	ND	1.0	05/13/11 01:15	
Trichlorofluoromethane	ug/L	ND	1.0	05/13/11 01:15	
Vinyl acetate	ug/L	ND	2.0	05/13/11 01:15	
Vinyl chloride	ug/L	ND	1.0	05/13/11 01:15	
1,2-Dichloroethane-d4 (S)	%	123	70-130	05/13/11 01:15	
4-Bromofluorobenzene (S)	%	97	70-130	05/13/11 01:15	
Dibromofluoromethane (S)	%	98	70-130	05/13/11 01:15	
Toluene-d8 (S)	%	98	70-130	05/13/11 01:15	

LABORATORY CONTROL SAMPLE: 605444

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.6	107	70-130	
1,1,1-Trichloroethane	ug/L	50	53.9	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	54.7	109	70-130	
1,1,2-Trichloroethane	ug/L	50	54.6	109	70-130	
1,1-Dichloroethane	ug/L	50	53.8	108	70-130	
1,1-Dichloroethene	ug/L	50	54.3	109	70-132	
1,2,3-Trichloropropane	ug/L	50	54.8	110	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	64.5	129	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	54.6	109	70-130	
1,2-Dichlorobenzene	ug/L	50	54.3	109	70-130	
1,2-Dichloroethane	ug/L	50	59.8	120	70-130	
1,2-Dichloropropane	ug/L	50	49.1	98	70-130	
1,4-Dichlorobenzene	ug/L	50	54.3	109	70-130	
2-Butanone (MEK)	ug/L	100	109	109	70-145	
2-Hexanone	ug/L	100	123	123	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	123	123	70-140	
Acetone	ug/L	100	126	126	50-175	
Acrylonitrile	ug/L	250	285	114	70-143	
Benzene	ug/L	50	48.2	96	70-130	
Bromochloromethane	ug/L	50	49.3	99	70-130	
Bromodichloromethane	ug/L	50	54.7	109	70-130	
Bromoform	ug/L	50	46.5	93	70-130	
Bromomethane	ug/L	50	54.1	108	54-130	
Carbon disulfide	ug/L	50	44.1	88	70-131	
Carbon tetrachloride	ug/L	50	52.1	104	70-132	
Chlorobenzene	ug/L	50	50.9	102	70-130	
Chloroethane	ug/L	50	46.0	92	64-134	
Chloroform	ug/L	50	55.0	110	70-130	
Chloromethane	ug/L	50	48.8	98	64-130	
cis-1,2-Dichloroethene	ug/L	50	53.1	106	70-131	
cis-1,3-Dichloropropene	ug/L	50	49.1	98	70-130	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9293731

LABORATORY CONTROL SAMPLE: 605444

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	50.4	101	70-130	
Dibromomethane	ug/L	50	54.0	108	70-131	
Ethylbenzene	ug/L	50	52.7	105	70-130	
Iodomethane	ug/L	100	105	105	49-180	
m&p-Xylene	ug/L	100	106	106	70-130	
Methylene Chloride	ug/L	50	60.8	122	63-130	
o-Xylene	ug/L	50	53.7	107	70-130	
Styrene	ug/L	50	53.8	108	70-130	
Tetrachloroethene	ug/L	50	51.5	103	70-130	
Tetrahydrofuran	ug/L	500	615	123	70-130	
Toluene	ug/L	50	50.2	100	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.6	103	70-130	
trans-1,3-Dichloropropene	ug/L	50	51.4	103	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	92.8	186	70-141	L3
Trichloroethene	ug/L	50	51.3	103	70-130	
Trichlorofluoromethane	ug/L	50	54.9	110	62-133	
Vinyl acetate	ug/L	100	101	101	66-157	
Vinyl chloride	ug/L	50	45.6	91	69-130	
1,2-Dichloroethane-d4 (S)	%			117	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			103	70-130	
Toluene-d8 (S)	%			99	70-130	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9293731

QC Batch: MSV/15246 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9293731012, 9293731013, 9293731014, 9293731015, 9293731016, 9293731017

METHOD BLANK: 606060 Matrix: Water
Associated Lab Samples: 9293731012, 9293731013, 9293731014, 9293731015, 9293731016, 9293731017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/13/11 19:01	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/13/11 19:01	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/13/11 19:01	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/13/11 19:01	
1,1-Dichloroethane	ug/L	ND	1.0	05/13/11 19:01	
1,1-Dichloroethene	ug/L	ND	1.0	05/13/11 19:01	
1,2,3-Trichloropropane	ug/L	ND	1.0	05/13/11 19:01	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	05/13/11 19:01	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/13/11 19:01	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/13/11 19:01	
1,2-Dichloroethane	ug/L	ND	1.0	05/13/11 19:01	
1,2-Dichloropropane	ug/L	ND	1.0	05/13/11 19:01	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/13/11 19:01	
2-Butanone (MEK)	ug/L	ND	5.0	05/13/11 19:01	
2-Hexanone	ug/L	ND	5.0	05/13/11 19:01	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	05/13/11 19:01	
Acetone	ug/L	ND	25.0	05/13/11 19:01	
Acrylonitrile	ug/L	ND	10.0	05/13/11 19:01	
Benzene	ug/L	ND	1.0	05/13/11 19:01	
Bromochloromethane	ug/L	ND	1.0	05/13/11 19:01	
Bromodichloromethane	ug/L	ND	1.0	05/13/11 19:01	
Bromoform	ug/L	ND	1.0	05/13/11 19:01	
Bromomethane	ug/L	ND	2.0	05/13/11 19:01	
Carbon disulfide	ug/L	ND	2.0	05/13/11 19:01	
Carbon tetrachloride	ug/L	ND	1.0	05/13/11 19:01	
Chlorobenzene	ug/L	ND	1.0	05/13/11 19:01	
Chloroethane	ug/L	ND	1.0	05/13/11 19:01	
Chloroform	ug/L	ND	1.0	05/13/11 19:01	
Chloromethane	ug/L	ND	1.0	05/13/11 19:01	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/13/11 19:01	
cis-1,3-Dichloropropene	ug/L	ND	1.0	05/13/11 19:01	
Dibromochloromethane	ug/L	ND	1.0	05/13/11 19:01	
Dibromomethane	ug/L	ND	1.0	05/13/11 19:01	
Ethylbenzene	ug/L	ND	1.0	05/13/11 19:01	
Iodomethane	ug/L	ND	5.0	05/13/11 19:01	
m&p-Xylene	ug/L	ND	2.0	05/13/11 19:01	
Methylene Chloride	ug/L	ND	1.0	05/13/11 19:01	
o-Xylene	ug/L	ND	1.0	05/13/11 19:01	
Styrene	ug/L	ND	1.0	05/13/11 19:01	
Tetrachloroethene	ug/L	ND	1.0	05/13/11 19:01	
Tetrahydrofuran	ug/L	ND	10.0	05/13/11 19:01	
Toluene	ug/L	ND	1.0	05/13/11 19:01	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/13/11 19:01	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9293731

METHOD BLANK: 606060 Matrix: Water

Associated Lab Samples: 9293731012, 9293731013, 9293731014, 9293731015, 9293731016, 9293731017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	1.0	05/13/11 19:01	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	05/13/11 19:01	
Trichloroethene	ug/L	ND	1.0	05/13/11 19:01	
Trichlorofluoromethane	ug/L	ND	1.0	05/13/11 19:01	
Vinyl acetate	ug/L	ND	2.0	05/13/11 19:01	
Vinyl chloride	ug/L	ND	1.0	05/13/11 19:01	
1,2-Dichloroethane-d4 (S)	%	99	70-130	05/13/11 19:01	
4-Bromofluorobenzene (S)	%	96	70-130	05/13/11 19:01	
Dibromofluoromethane (S)	%	98	70-130	05/13/11 19:01	
Toluene-d8 (S)	%	99	70-130	05/13/11 19:01	

LABORATORY CONTROL SAMPLE: 606061

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	51.9	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	54.1	108	70-130	
1,1,2-Trichloroethane	ug/L	50	53.6	107	70-130	
1,1-Dichloroethane	ug/L	50	52.4	105	70-130	
1,1-Dichloroethene	ug/L	50	50.6	101	70-132	
1,2,3-Trichloropropane	ug/L	50	49.8	100	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	51.0	102	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	54.3	109	70-130	
1,2-Dichlorobenzene	ug/L	50	52.9	106	70-130	
1,2-Dichloroethane	ug/L	50	48.9	98	70-130	
1,2-Dichloropropane	ug/L	50	50.2	100	70-130	
1,4-Dichlorobenzene	ug/L	50	51.3	103	70-130	
2-Butanone (MEK)	ug/L	100	99.2	99	70-145	
2-Hexanone	ug/L	100	109	109	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	106	106	70-140	
Acetone	ug/L	100	98.5	99	50-175	
Acrylonitrile	ug/L	250	265	106	70-143	
Benzene	ug/L	50	50.0	100	70-130	
Bromochloromethane	ug/L	50	52.5	105	70-130	
Bromodichloromethane	ug/L	50	54.7	109	70-130	
Bromoform	ug/L	50	48.1	96	70-130	
Bromomethane	ug/L	50	46.0	92	54-130	
Carbon disulfide	ug/L	50	55.0	110	70-131	
Carbon tetrachloride	ug/L	50	53.6	107	70-132	
Chlorobenzene	ug/L	50	50.6	101	70-130	
Chloroethane	ug/L	50	51.1	102	64-134	
Chloroform	ug/L	50	51.6	103	70-130	
Chloromethane	ug/L	50	45.8	92	64-130	
cis-1,2-Dichloroethene	ug/L	50	51.1	102	70-131	
cis-1,3-Dichloropropene	ug/L	50	54.6	109	70-130	

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Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

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

QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9293731

LABORATORY CONTROL SAMPLE: 606061

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	50	47.5	95	70-130	
Dibromomethane	ug/L	50	53.2	106	70-131	
Ethylbenzene	ug/L	50	52.2	104	70-130	
Iodomethane	ug/L	100	118	118	49-180	
m&p-Xylene	ug/L	100	105	105	70-130	
Methylene Chloride	ug/L	50	48.7	97	63-130	
o-Xylene	ug/L	50	53.1	106	70-130	
Styrene	ug/L	50	54.3	109	70-130	
Tetrachloroethene	ug/L	50	52.9	106	70-130	
Tetrahydrofuran	ug/L	500	502	100	70-130	
Toluene	ug/L	50	50.9	102	70-130	
trans-1,2-Dichloroethene	ug/L	50	49.9	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	47.6	95	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	55.3	111	70-141	
Trichloroethene	ug/L	50	53.3	107	70-130	
Trichlorofluoromethane	ug/L	50	51.1	102	62-133	
Vinyl acetate	ug/L	100	120	120	66-157	
Vinyl chloride	ug/L	50	50.2	100	69-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			100	70-130	

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Asheville, NC 28804
(828)254-7176

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

QUALIFIERS

Project: OSR
Pace Project No.: 9293731

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.

Pace Analytical is NELAP 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

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1	RPD value was outside control limits.

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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

1477820

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: QSR
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): Analysis Test: APPT VOC, RCRA Metals

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	APPT VOC	RCRA Metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-8	WT	-	—	—	5/9	1145	-	4			1	3					X	X		9293731
2	MW-9	WT	-	—	—	5/9	1240	-	4			1	3					X	X		9293731/001
3	MW-14	WT	-	—	—	5/9	1350	-	4			1	3					X	X		002
4	MW-10	WT	-	—	—	5/9	1455	-	4			1	3					X	X		003
5	SW-2	WT	-	—	—	5/9	1505	-	4			1	3					X	X		004
6	Equip Blank	WT	-	—	—	5/9	1030	-	3				3					X			005
7																					006
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	J Quattlen / PACE	5/9	1900	Jmore / Pace	5/9/11	1900	26	4	N	4

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: J. Quattlen

SIGNATURE of SAMPLER: J Quattlen

DATE Signed (MM/DD/YY): 5/9/2011

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.

0

Sample Condition Upon Receipt

Pace Analytical

Client Name: HDR Project # 92937731

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 : T1101 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract 0 °C

Corrected Cooler Temp.: 2.0 C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: JM 5/9

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:_____				
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: [illegible] **Date:** 5/10/11 **SRF Review:** EW **Date:** 5/10/11

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

1478069

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

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

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

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	App IV VOC	RCRA 8 metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-4R	WT	—	—	—	5/10	1230	—	4			1	3					X	X		9293731
2	MW-7	WT	—	—	—	5/10	1320	—	4			1	3					X	X		9293731/007
3	MW-1R	WT	—	—	—	5/10	1415	—	4			1	3					X	X		008
4	MW-2R	WT	—	—	—	5/10	1520	—	4			1	3					X	X		009
5	SW-1	WT	—	—	—	5/10	1540	—	4			1	3					X	X		010
6																					011
7																					
8																					
9																					
10																					
11																					
12																					

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	J Qualtieri / PACE	5/10	1801	Jmore / Pace	5/10	1801	3.6	Y	N	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Jy Qualtieri
SIGNATURE of SAMPLER: J Qualtieri
DATE Signed (MM/DD/YY): 5/10/2011

*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.

Sample Condition Upon Receipt

Pace Analytical

Client Name: HDR Project # 92937731

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 : T1101 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract 0 °C

Corrected Cooler Temp.: 3.6 C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: TMS 5/10

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:_____				
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:** 5/11/11 **SRF Review:** EW **Date:** 5/~~10~~ 11/11 EW

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

1478070

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): Analysis Test: APPIVOC, RCRA8 metals

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	Composite Start 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: APPIVOC	RCRA8 metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Trip Blank	WT	—	—	—	5/9	800	1	2				2					X			02913731
2	MW-3R	WT	—	—	—	5/11	0945	—	4			1	3					X	X		01
3	MW-5R	WT	—	—	—	5/11	10:25	—	4			1	3					X	X		03
4	MW-11	WT	—	—	—	5/11	1130	—	4			1	3					X	X		04
5	MW-12	WT	—	—	—	5/11	1240	—	4			1	3					X	X		05
6	MW-13	WT	—	—	—	5/11	1335	—	4			1	3					X	X		06
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	J Qualtieri / PACE	5/11	1605	[illegible]	5/11/11	16:25	1.5	[illegible]	[illegible]	[illegible]

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: J. Qualtieri

SIGNATURE of SAMPLER: J Qualtieri — DATE Signed (MM/DD/YY): 5/11/2011

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.

Sample Condition Upon Receipt

Pace Analytical

Client Name: HDR Project # 9293731

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 : T1101 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract 0 °C

Corrected Cooler Temp.: 1.5 C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 5/11/11

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:_____		
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:** 5/11/11 **SRF Review:** JG **Date:** 5/12/11

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)

MW-1R

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

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: 35.93 ft. Casing Volume: 3.9 gallons
Height of Water Col.: 24.07 ft. Cal. 3 Volumes: 11.7 gallons

Purge Information

Date Purged: 5/10/11 Time Start: 13:51 Finish: 14:06 Purge Rate: 200 ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.8 gallons

Sampling Information

Date Sample Collected: 5/10/11 Time Sample Collected: 14:15 am (pm)
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCL	App I VOC
1-250mL	HNO_3	RCRA 8 metals

Field Measurements/Observations

Sample Temp. (°C): 17.0 Time: 14:15
Sample pH (s.u.): 5.8 Time: 14:15
Specific Cond. (uS): 110 Time: 14:15
ReDox (mV): 263 Time: 14:15
Odor: NONE
Turbidity (ntu): 55 Time: 14:15
Dis. Oxy. (mg/L): 6.3 Time: 14:15
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: MW-1R micropurge method
pressure = 55 psI Refill = 30 sec / Discharge = 30 sec
Weather Conditions: High 77F. Winds E @ 5 to 10mph. chance of Rain 40%

Sampler Signature: J. Quather Date: 5/10/11

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
13:54	5.7	109	268	67	8.0	17.0	600	—
13:57	5.7	109	268	63	7.1	17.0	1200	—
14:00	5.8	110	265	57	6.6	17.6	1800	—
14:03	5.8	110	264	53	6.3	17.2	2400	—
14:06	5.8	110	265	52	6.1	17.7	3000	—

MW-2R

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

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: 8.17 ft. Casing Volume: 2.1 gallons
Height of Water Col.: 12.83 ft. Cal. 3 Volumes: 6.3 gallons

Purge Information

Date Purged: 5/10/11 Time Start: 14:45 Finish: 15:12 Purge Rate: 100 ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.7 gallons

Sampling Information

Date Sample Collected: 5/10/11 Time Sample Collected: 15:20 am (pm)
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCL	App IVOC
1-250mL	HNO_3	RCRA 8 metals

Field Measurements/Observations

Sample Temp. (°C): 16.0 Time: 15:20
Sample pH (s.u.): 5.9 Time: 15:20
Specific Cond. (uS): 687 Time: 15:20
ReDox (mV): 71 Time: 15:20
Odor: NONE

Turbidity (ntu): 57 Time: 15:20
Dis. Oxy. (mg/L): 3.9 Time: 15:20
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear

General Observations: MW-2R micropurge method Refill = 10 sec Discharge = 5 sec
Weather Conditions: High 77F. Winds E 5 to 10 mph. Chance of Rain 40%

Sampler Signature: J Quattrin Date: 5/10/11

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
14:48	6.0	630	59	77	6.9	15.8	300	—
14:51	6.0	645	65	68	5.3	15.7	600	—
14:54	6.0	676	67	65	4.9	15.3	900	—
14:57	6.0	674	69	63	4.5	15.5	1200	—
15:00	5.9	671	70	60	4.1	15.8	1500	—

Client:	HDR
Location:	Winston-Salem, NC
Project:	OSR (5-10-11)
Well ID:	MW-2R

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
15:03	5.9	677	72	54	3.8	16.0	1800
15:06	5.9	694	72	63	4.0	16.0	2100
15:09	5.9	690	71	60	3.9	16.0	2400
15:12	5.9	689	71	59	3.9	16.0	2700

MW-3R

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

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 ft. Multi. Factor*: 0.163 {*(Radius/12)^2 X 3.14 x 7.48}
Static Water Level: 20.56 ft. Casing Volume: 1.0 gallons
Height of Water Col.: 6.44 ft. Cal. 3 Volumes: 3.0 gallons

Purge Information

Date Purged: 5/10/11 Time Start: 10:00 Finish: 10:06 Purge Rate: N/A
Purging Method: Tef. Bailer Total Volume Purged: 3.0 gallons

Sampling Information

Date Sample Collected: 5/11/11 Time Sample Collected: 09:45 (am) pm
Sampling Equipment Used: Tef. Bailer

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCL	App I VOC
1-250 ml	HNO_3	RCRA 8 metal

Field Measurements/Observations

Sample Temp. (°C): 14.6 Time: 09:45
Sample pH (s.u.): 6.2 Time: 09:45
Specific Cond. (uS): 409 Time: 09:45
ReDox (mV): -43 Time: 09:45
Odor: NONE
Turbidity (ntu): 70 Time: 09:45
Dis. Oxy. (mg/L): 6.3 Time: 09:45
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: HAZY
General Observations: micropurge pump by QED still not working. Will pull pump & bail well
Weather Conditions: High 78F. Winds E @ 5 to 10 mph. chance of Rain 30%

Sampler Signature: J. Qualtier Date: 5/11/11

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed (gals.)	Other
10:02	6.2	438	-26	400	6.9	15.4	1.0	—
10:04	6.2	436	-29	370	5.0	14.6	2.0	—
10:06	6.2	426	-28	327	5.0	14.4	3.0	—

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: 8.34 ft. Casing Volume: 1.9 gallons
Height of Water Col.: 11.66 ft. Cal. 3 Volumes: 5.7 gallons

Purge Information

Date Purged: 5/10/11 Time Start: 11:45 Finish: 12:21 Purge Rate: 100 ml/min
Purging Method: micropurge by QED Total Volume Purged: 1.0 gallons

Sampling Information

Date Sample Collected: 5/10/11 Time Sample Collected: 12:30 am (pm)
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40ml VOA	HCL	App I VOC
1-250ml	HNO3	RCRA 8 metals

Field Measurements/Observations

Sample Temp. (°C): 14.3 Time: 12:30
Sample pH (s.u.): 5.7 Time: 12:30
Specific Cond. (uS): 174 Time: 12:30
ReDox (mV): 271 Time: 12:30
Odor: NONE
Turbidity (ntu): 96 Time: 12:30
Dis. Oxy. (mg/L): 5.3 Time: 12:30
Res. Cl (mg/L): — Time:
Other: — Time: —
Appearance: HAZY
General Observations: MW-4R micropurge method Refill = 10 sec Discharge = 5 sec
Weather Conditions: High 77F winds E@ 5to10mph. Chance of Rain 40%

Sampler Signature: J Quathen Date: 5/10/11

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
11:48	6.1	199	231	350	8.6	14.4	300	—
11:51	6.0	194	237	290	7.5	14.3	600	—
11:54	6.0	192	242	233	7.0	14.5	900	—
11:57	5.9	178	248	205	6.7	14.2	1200	—
12:00	5.9	161	251	180	6.5	14.2	1500	—

Client: HDR

Location: Winston - Salem, NC

Project: OSR (5/10/11)

Well ID: MW-4R

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
12:03	5.8	151	258	160	6.2	14.2	1800
12:06	5.8	158	264	146	5.9	14.2	2100
12:09	5.8	159	266	130	5.8	14.3	2400
12:12	5.8	163	269	119	5.7	14.2	2700
12:15	5.7	170	270	105	5.5	14.2	3000
12:18	5.7	173	272	96	5.3	14.3	3300
12:21	5.7	174	273	97	5.3	14.3	3600

MW-5R

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

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-5R 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: 10.44 ft. Casing Volume: 3.2 gallons
Height of Water Col.: 19.56 ft. Cal. 3 Volumes: 9.6 gallons

Purge Information

Date Purged: 5/10/11 Time Start: 10:55 Finish: 11:13 Purge Rate: N/A
Purging Method: Tef. Bailer Total Volume Purged: 9.6 gallons

Sampling Information

Date Sample Collected: 5/11/11 Time Sample Collected: 10:25 (am) pm
Sampling Equipment Used: Tef. Bailer

Bottle Type	Preservation	Analysis Required
3-40 mL VOA	HCL	App I VOC
1-250ml	HNO3	RCRA 8 metals

Field Measurements/Observations

Sample Temp. (°C): 15.5 Time: 10:25
Sample pH (s.u.): 6.1 Time: 10:25
Specific Cond. (uS): 208 Time: 10:25
ReDox (mV): 141 Time: 10:25
Odor: NONE
Turbidity (ntu): 85 Time: 10:25
Dis. Oxy. (mg/L): 9.0 Time: 10:25
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: HAZY

General Observations: MW-5R micropurge method not possible
QED bladder pump not working
Weather Conditions: High 78F. Winds E @ 5 to 10mph. Chance of Rain 30%

Sampler Signature: J Quather Date: 5/11/11

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed (gals.)	Other
10:59	6.1	206	176	170	9.0	14.5	3.2	—
11:06	6.2	204	186	225	9.2	14.1	6.4	—
11:13	6.2	201	183	317	8.8	14.1	9.6	—

mw-7

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

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: 37.99 ft. Casing Volume: 1.6 gallons
Height of Water Col.: 10.01 ft. Cal. 3 Volumes: 4.8 gallons

Purge Information

Date Purged: 5 / 10 / 11 Time Start: 1300 Finish: 13:15 Purge Rate: 100 ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.4 gallons

Sampling Information

Date Sample Collected: 5 / 10 / 11 Time Sample Collected: 13:20 am (pm)
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCL	App I VOC
1-250mL	HNO3	RCRA 8 metals

Field Measurements/Observations

Sample Temp. (°C): 16.2 Time: 13:20
Sample pH (s.u.): 5.60 Time: 13:20
Specific Cond. (uS): 193 Time: 13:20
ReDox (mV): 245 Time: 13:20
Odor: NONE
Turbidity (ntu): 40 Time: 13:20
Dis. Oxy. (mg/L): 3.2 Time: 13:20
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear

General Observations: mw-7 micropurge method Refill = 30 sec Discharge = 30 sec
Weather Conditions: High 77F. Winds E @ 5 to 10 mph. Chance of Rain 40%

Sampler Signature: J Quattrone Date: 5 / 10 / 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
1303	5.66	196	258	50	5.1	16.1	300	—
1306	5.6	193	254	48	4.2	16.0	600	—
1309	5.6	194	249	44	3.6	16.1	900	—
1312	5.6	193	247	43	3.3	16.3	1200	—
1315	5.6	193	246	40	3.3	16.1	1500	—

mw 8

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

GROUNDWATER SAMPLING **FIELD DATA SHEET**

Client: HDR Location: Winston Salem, NC Project Name/#: OSR LF
Name & Affiliation (Sampler(s): JJQ - 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: 15.08 ft. Casing Volume: 1.9 gallons
Height of Water Col.: 11.92 ft. Cal. 3 Volumes: 5.7 gallons

Purge Information
Date Purged: 5/9/11 Time Start: 11:23 Finish: 11:38 Purge Rate: 100ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.4 gallons

Sampling Information
Date Sample Collected: 5/9/11 Time Sample Collected: 11:45 (am) pm
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40ml VOA	HCL	8260 App IVOC
1-250ml	HNO3	RCRA 8 metals

Field Measurements/Observations
Sample Temp. (°C): 16.6 Time: 11:45
Sample pH (s.u.): 5.1 Time: 11:45
Specific Cond. (uS): 10 Time: 11:45
ReDox (mV): 272 Time: 11:45
Odor: NONE
Turbidity (ntu): 18 Time: 11:45
Dis. Oxy. (mg/L): 8.7 Time: 11:45
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: Equip Blank @ 10:30 HRS 5/9/11 Discharge 5 sec Refill = 10 sec micropurge method
Weather Conditions: High 81F. Winds light & variable

Sampler Signature: J Quattlen Date: 5/9/2011

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
11:26	5.4	8	242	27	9.6	17.1	300	—
11:29	5.4	8	267	26	9.3	16.9	600	—
11:32	5.0	10	270	20	9.1	16.5	900	—
11:35	5.1	10	272	20	8.8	16.5	1200	—
11:38	5.1	10	272	19	8.7	16.5	1500	—

MW-9

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

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: 51.11 ft. Casing Volume: 1.4 gallons
Height of Water Col.: 8.89 ft. Cal. 3 Volumes: 4.2 gallons

Purge Information

Date Purged: 5/9/11 Time Start: 12:10 Finish: 12:34 Purge Rate: 150 ml/min
Purging Method: micropurge by QED Total Volume Purged: 1.0 gallons

Sampling Information

Date Sample Collected: 5/9/11 Time Sample Collected: 12:40 am (pm)
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCL	App IV VOC
1-250mL	HNO3	RCRA 8 metals

Field Measurements/Observations

Sample Temp. (°C): 18.7 Time: 12:40
Sample pH (s.u.): 5.6 Time: 12:40
Specific Cond. (uS): 153 Time: 12:40
ReDox (mV): 265 Time: 12:40
Odor: NONE
Turbidity (ntu): 1.0 Time: 12:40
Dis. Oxy. (mg/L): 7.3 Time: 12:40
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear

General Observations: MW-9 micropurge by QED method
Refill = 45 sec Discharge = 5 sec pressure 60 psi
Weather Conditions: High 81F. Winds light & variable

Sampler Signature: J Qualter Date: 5/9/11

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
12:13	5.5	159	278	35	8.3	16.8	450	—
12:16	5.6	158	278	27	7.8	16.9	900	—
12:19	5.6	156	275	19	7.7	16.8	1350	—
12:22	5.6	154	273	8	7.4	17.2	1800	—
12:25	5.6	154	271	4	7.3	17.6	2250	—

Client: HDR

Location: Winston-Salem, NC

Project: DSR (5-9-11)

Well ID: mw-9

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
12:28	5.6	153	268	1.0	7.3	18.1	2700
12:31	5.6	154	266	1.0	7.2	18.7	3150
12:34	5.6	153	264	1.0	7.2	18.8	3600

MW-10

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

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: 11.72 ft. Casing Volume: 1.5 gallons
Height of Water Col.: 9.28 ft. Cal. 3 Volumes: 4.5 gallons

Purge Information

Date Purged: 5/9/11 Time Start: 14:06 Finish: 14:45 Purge Rate: 100ml/min
Purging Method: micropurge by QED Total Volume Purged: 1.0 gallons

Sampling Information

Date Sample Collected: 5/9/11 Time Sample Collected: 14:55 am (pm)
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40mlVOA	HCL	App IVOC
1-250ml	HNO3	RCRA 8 metals

Field Measurements/Observations

Sample Temp. (°C): 16.6 Time: 14:55
Sample pH (s.u.): 5.5 Time: 14:55
Specific Cond. (uS): 55 Time: 14:55
ReDox (mV): 279 Time: 14:55
Odor: NONE
Turbidity (ntu): 4 Time: 14:55
Dis. Oxy. (mg/L): 7.1 Time: 14:55
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: MW-10 micropurge method Refill = 10 sec
Discharge = 5 sec Pressure ≈ 30 psi
Weather Conditions: High 81 F. Winds light & variable

Sampler Signature: J Quather Date: 5/9/2011

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
14:09	5.5	40	289	55	8.8	17.2	300	—
14:12	5.6	46	285	47	8.2	16.9	600	—
14:15	5.6	48	282	40	8.0	16.8	900	—
14:18	5.6	50	280	33	7.8	16.8	1200	—
14:21	5.5	51	278	28	7.6	16.8	1500	—

Client: HDR

Location: Winston-Salem, NC

Project: OSR (5-9-11)

Well ID: MW-10

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
14:24	5.5	52	277	23	7.5	16.8	1800
14:27	5.5	53	277	18	7.5	16.7	2100
14:30	5.5	53	277	13	7.4	16.8	2400
14:33	5.5	54	277	9	7.3	16.7	2700
14:36	5.5	54	278	6	7.3	16.7	3000
14:39	5.5	54	279	4	7.2	16.7	3300
14:42	5.5	55	279	4	7.2	16.7	3600
14:45	5.5	55	280	4	7.2	16.6	3900

MW-11

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

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-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: 4.00 ft. Casing Volume: 2.6 gallons
Height of Water Col.: 16.00 ft. Cal. 3 Volumes: 7.8 gallons

Purge Information

Date Purged: 5/11/11 Time Start: 10:54 Finish: 11:24 Purge Rate: 100ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.8 gallons

Sampling Information

Date Sample Collected: 5/11/11 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	HNO3	RCRA-8 - metals

Field Measurements/Observations

Sample Temp. (°C): 15.6 Time: 11:30
Sample pH (s.u.): 6.2 Time: 11:30
Specific Cond. (uS): 321 Time: 11:30
ReDox (mV): -36 Time: 11:30
Odor: NONE
Turbidity (ntu): 23 Time: 11:30
Dis. Oxy. (mg/L): 4.3 Time: 11:30
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear

General Observations: MW-11 micropurge method
Refill = 10 sec / Discharge = 5 sec
Weather Conditions: High 78F. Winds E @ 5 to 10 mph. Chance of Rain 30%

Sampler Signature: J Qualter Date: 5/11/11

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume mls Removed (gals.)	Other
10:57	6.1	272	-2	81	7.1	16.0	300	—
11:00	6.1	285	-11	69	6.5	15.9	600	—
11:03	6.2	293	-17	50	5.9	15.9	900	—
11:06	6.2	300	-22	42	5.6	15.8	1200	—
11:09	6.2	306	-25	34	5.3	15.8	1500	—

Client: HDR

Location: Winston-Salem, NC

Project: OSR (5-11-11)

Well ID: MW-11

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
11:12	6.2	309	-28	30	5.1	15.7	1800
11:15	6.2	313	-30	27	4.9	15.6	2100
11:18	6.2	316	-33	25	4.7	15.6	2400
11:21	6.2	318	-34	23	4.5	15.5	2700
11:24	6.2	320	-35	23	4.3	15.6	3000

mw-12

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

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: 4.91 ft. Casing Volume: 1.7 gallons
Height of Water Col.: 10.67 ft. Cal. 3 Volumes: 5.1 gallons

Purge Information

Date Purged: 5/11/11 Time Start: 12:08 Finish: 12:26 Purge Rate: 100ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.5 gallons

Sampling Information

Date Sample Collected: 5/11/11 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	RCRA 8 - metals

Field Measurements/Observations

Sample Temp. (°C): 15.0 Time: 12:40 Turbidity (ntu): 25 Time: 12:40
Sample pH (s.u.): 6.0 Time: 12:40 Dis. Oxy. (mg/L): 7.4 Time: 12:40
Specific Cond. (uS): 179 Time: 12:40 Res. Cl (mg/L): — Time: —
ReDox (mV): 188 Time: 12:40 Other: — Time: —
Odor: NONE Appearance: clear
General Observations: MW-12 micropurge method Refill = 10 sec Discharge = 5 sec
Weather Conditions: High 78F. Winds E @ 5 to 10 mph. Chance of Rain 30%

Sampler Signature: J Qualtieri Date: 5/11/11

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
12:11	6.0	181	155	46	8.8	15.7	300	—
12:14	6.0	181	162	38	8.1	15.5	600	—
12:17	6.0	180	170	31	7.8	15.2	900	—
12:20	6.0	179	175	26	7.8	15.1	1200	—
12:23	6.0	179	182	27	7.6	15.0	1500	—

Client:	HDR						
Location:	Winston - Salem, NC						
Project:	OSR (5-11-11)						
Well ID:	MW-12						
Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
12:26	6.0	178 ~~187~~	187	25	7.4	15.0	1800

mw-13

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

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: 8.85 ft. Casing Volume: 1.8 gallons
Height of Water Col.: 11.15 ft. Cal. 3 Volumes: 5.4 gallons

Purge Information

Date Purged: 5/11/11 Time Start: 13:09 Finish: 13:27 Purge Rate: 100 ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.5 gallons

Sampling Information

Date Sample Collected: 5/11/11 Time Sample Collected: 13:35 am (pm)
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCL	App IVOC
1-250ml	HNO3	RCRA 8 metals

Field Measurements/Observations

Sample Temp. (°C): 15.0 Time: 13:35
Sample pH (s.u.): 5.6 Time: 13:35
Specific Cond. (uS): 171 Time: 13:35
ReDox (mV): 245 Time: 13:35
Odor: NONE
Turbidity (ntu): 177 Time: 13:35
Dis. Oxy. (mg/L): 5.2 Time: 13:35
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: cloudy
General Observations: mw-13 micropurge method Refill = 10 sec Discharge = 5 sec
Weather Conditions: High 78F. Winds E @ 5 to 10 mph. Chance of Rain 30%

Sampler Signature: J Quattlebaum Date: 5/11/11

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
13:12	5.8	172	225	170	7.5	15.6	300	—
13:15	5.7	171	232	142	6.4	15.4	600	—
13:18	5.7	170	236	141	6.0	15.2	900	—
13:21	5.7	170	240	163	5.6	15.1	1200	—
13:24	5.7	171	242	165	5.5	15.0	1500	—

Client: HDR

Location: Winston-Salem, NC

Project: OSR (5-11-11)

Well ID: MW-13

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
13:27	5.6	171	244	174	5.3	15.0	1800

MW 14

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

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: 51.45 ft. Casing Volume: 1.4 gallons
Height of Water Col.: 8.55 ft. Cal. 3 Volumes: 4.2 gallons

Purge Information

Date Purged: 5/9/11 Time Start: 13:21 Finish: 13:36 Purge Rate: 100 ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.4 gallons

Sampling Information

Date Sample Collected: 5/9/11 Time Sample Collected: 13:50 am (pm)
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40 ml VOA	HCL	App IV VOC
1-250 ml	HNO3	RCRA 8 metals

Field Measurements/Observations

Sample Temp. (°C): 17.1 Time: 13:50
Sample pH (s.u.): 5.5 Time: 13:50
Specific Cond. (uS): 140 Time: 13:50
ReDox (mV): 272 Time: 13:50
Odor: NONE
Turbidity (ntu): 39 Time: 13:50
Dis. Oxy. (mg/L): 7.8 Time: 13:50
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: micropurge method Refill = 45 sec Discharge = 15 sec pressure = 60 PSI
Weather Conditions: High 81 F. Winds light & variable

Sampler Signature: J Quattrer Date: 5/9/2011

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
13:24	5.6	124	268	58	8.7	17.5	300	—
13:27	5.7	135	266	49	8.0	17.3	600	—
13:30	5.6	137	267	42	7.7	17.6	900	—
13:33	5.6	138	268	38	7.7	17.7	1200	—
13:36	5.5	140	271	39	7.7	17.7	1500	—

SW-1

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

GROUNDWATER SAMPLING **FIELD DATA SHEET**

Client: HDR Location: Winston-Salem, NC Project Name/#: OSR
Name & Affiliation (Sampler(s): JSQ - 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: — / — / — Time Start: — Finish: — Purge Rate: —
Purging Method: — Total Volume Purged: — gallons

Sampling Information

Date Sample Collected: 5 / 10 / 11 Time Sample Collected: 15:40 am (pm)
Sampling Equipment Used: grab

Bottle Type	Preservation	Analysis Required
3-40mL VOA	HCL	8260 App IV VOC
1-250mL	HNO_3	RCRA-8 metals

Field Measurements/Observations

Sample Temp. (°C): 19.7 Time: 15:40
Sample pH (s.u.): 6.4 Time: 15:40
Specific Cond. (uS): 295 Time: 15:40
ReDox (mV): -15 Time: 15:40
Odor: NONE
Turbidity (ntu): 50 Time: 15:40
Dis. Oxy. (mg/L): 6.6 Time: 15:40
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: Algae
General Observations: Surface water SW-1

Weather Conditions: High 77 Winds E @ 5 to 10mph. Chance of Rain 40%

Sampler Signature: [signature] Date: 5 / 10 / 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

SW-2

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

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: N/ ft. Multi. Factor*: / {*(Radius/12)² X 3.14 x 7.48}
Static Water Level: A ft. Casing Volume: N/ gallons
Height of Water Col.: / ft. Cal. 3 Volumes: / A gallons

Purge Information

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

Sampling Information

Date Sample Collected: 5/9/11 Time Sample Collected: 15:05 am pm
Sampling Equipment Used: grab

Bottle Type	Preservation	Analysis Required
3-40ml VOA	HCL	App IV VOC
1-250ml	HNO3	RCRA 8 metals

Field Measurements/Observations

Sample Temp. (°C): 18.6 Time: 15:05
Sample pH (s.u.): 6.5 Time: 15:05
Specific Cond. (uS): 129 Time: 15:05
ReDox (mV): 23 Time: 15:05
Odor: NONE

Turbidity (ntu): 52 Time: 15:05
Dis. Oxy. (mg/L): 9.1 Time: 15:05
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: algae

General Observations: surface water

Weather Conditions: High 81F, winds light & variable

Sampler Signature: [signature] Date: 5/9/11

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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June 27, 2011

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

RE: Project: OSR-RESAMPLE
Pace Project No.: 9295968

Dear Mr. Wright:
Enclosed are the analytical results for sample(s) received by the laboratory on June 09, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: OSR-RESAMPLE
Pace Project No.: 9295968

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nebraska Certification #: Pace
Nevada Certification #: MN_00064
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Connecticut Certification #: PH-0106
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
New Jersey Certification #: NC011
North Carolina Bioassay Certification #: 9
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
Pennsylvania Certification #: 68-03578
South Carolina Bioassay Certification #: 99030002
South Carolina Certification #: 99030001
Virginia Certification #: 00072
West Virginia Certification #: 356

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SAMPLE ANALYTE COUNT

Project: OSR-RESAMPLE
Pace Project No.: 9295968

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9295968001	**TRIP BLANK**	EPA 8260	MCK	7	PASI-C
9295968002	**MW-2R**	RSK 175	CJR	3	PASI-M
			ELW	13	PASI-C
		EPA 6010	JMW	1	PASI-A
		EPA 8260	MCK	7	PASI-C
		SM 2320B	DMN	1	PASI-A
		EPA 350.1	LEP	1	PASI-A
		SM 4500-Cl-E	JDA	1	PASI-A

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ANALYTICAL RESULTS

Project: OSR-RESAMPLE
Pace Project No.: 9295968

Sample: TRIP BLANK **Lab ID: 9295968001** Collected: 06/09/11 08:00 Received: 06/09/11 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		06/17/11 12:10	71-43-2	
Tetrachloroethene	ND	ug/L	1.0	1		06/17/11 12:10	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		06/17/11 12:10	109-99-9	
4-Bromofluorobenzene (S)	91	%	70-130	1		06/17/11 12:10	460-00-4	
Dibromofluoromethane (S)	107	%	70-130	1		06/17/11 12:10	1868-53-7	
1,2-Dichloroethane-d4 (S)	113	%	70-130	1		06/17/11 12:10	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		06/17/11 12:10	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR-RESAMPLE
Pace Project No.: 9295968

Sample: MW-2R **Lab ID: 9295968002** Collected: 06/09/11 11:40 Received: 06/09/11 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 AIR Headspace	Analytical Method: RSK 175							
Ethane	ND	ug/L	10.0	1		06/10/11 20:20	74-84-0	
Ethene	ND	ug/L	10.0	1		06/10/11 20:20	74-85-1	
Methane	**1280**	ug/L	10.0	1		06/10/11 20:20	74-82-8	
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		06/09/11 16:11		
Collected Date	**6/9/11**			1		06/09/11 16:11		
Collected Time	**11:40**			1		06/09/11 16:11		
Field pH	**5.8**	Std. Units		1		06/09/11 16:11		
Field Temperature	**19.1**	deg C		1		06/09/11 16:11		
Static Water Level	**8.31**	feet		1		06/09/11 16:11		
Field Specific Conductance	**698**	umhos/cm		1		06/09/11 16:11		
Oxygen, Dissolved	**4.2**	mg/L		1		06/09/11 16:11	7782-44-7	
Total Well Depth	**21**	feet		1		06/09/11 16:11		
REDOX	**88**	mV		1		06/09/11 16:11		
Turbidity	**3**	NTU		1		06/09/11 16:11		
Odor	**None**			1		06/09/11 16:11		
Appearance	**Clear**			1		06/09/11 16:11		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Sodium	**27200**	ug/L	5000	1	06/15/11 10:30	06/17/11 17:51	7440-23-5	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260							
Benzene	**1.6**	ug/L	1.0	1		06/17/11 12:36	71-43-2	
Tetrachloroethene	**1.6**	ug/L	1.0	1		06/17/11 12:36	127-18-4	
Tetrahydrofuran	**274**	ug/L	10.0	1		06/17/11 12:36	109-99-9	
4-Bromofluorobenzene (S)	93	%	70-130	1		06/17/11 12:36	460-00-4	
Dibromofluoromethane (S)	105	%	70-130	1		06/17/11 12:36	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	70-130	1		06/17/11 12:36	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		06/17/11 12:36	2037-26-5	
2320B Alkalinity	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	**165000**	ug/L	5000	1		06/21/11 17:00		
350.1 Ammonia	Analytical Method: EPA 350.1							
Nitrogen, Ammonia	**118**	ug/L	100	1		06/22/11 04:34	7664-41-7	
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	**39900**	ug/L	5000	1		06/18/11 14:51	16887-00-6	

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Asheville, NC 28804
(828)254-7176

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

QUALITY CONTROL DATA

Project: OSR-RESAMPLE
Pace Project No.: 9295968

QC Batch: AIR/12477
QC Batch Method: RSK 175
Analysis Method: RSK 175
Analysis Description: RSK 175 AIR HEADSPACE
Associated Lab Samples: 9295968002

METHOD BLANK: 992527
Matrix: Water
Associated Lab Samples: 9295968002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	ND	10.0	06/10/11 15:53	
Ethene	ug/L	ND	10.0	06/10/11 15:53	
Methane	ug/L	ND	10.0	06/10/11 15:53	

LABORATORY CONTROL SAMPLE & LCSD: 992528 992529

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	114	120	113	106	100	70-130	6	30	
Ethene	ug/L	106	112	108	105	102	70-130	3	30	
Methane	ug/L	60.7	59.8	63.8	99	105	70-130	6	30	

SAMPLE DUPLICATE: 994261

Parameter	Units	9295732001 Result	Dup Result	RPD	Qualifiers
Ethane	ug/L	10.7	11.1	4	
Ethene	ug/L	8.3J	9.5J		
Methane	ug/L	316	343	8	

SAMPLE DUPLICATE: 994262

Parameter	Units	9295728003 Result	Dup Result	RPD	Qualifiers
Ethane	ug/L	ND	ND		
Ethene	ug/L	ND	ND		
Methane	ug/L	ND	1.1J		

SAMPLE DUPLICATE: 994267

Parameter	Units	9295968002 Result	Dup Result	RPD	Qualifiers
Ethane	ug/L	ND	ND		
Ethene	ug/L	ND	ND		
Methane	ug/L	1280	1100	15	

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QUALITY CONTROL DATA

Project: OSR-RESAMPLE
Pace Project No.: 9295968

QC Batch: MPRP/8549
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9295968002

METHOD BLANK: 620581
Matrix: Water
Associated Lab Samples: 9295968002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sodium	ug/L	25.1J	5000	06/17/11 17:45	

LABORATORY CONTROL SAMPLE: 620582

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sodium	ug/L	5000	5220	104	80-120	

MATRIX SPIKE SAMPLE: 620583

Parameter	Units	9295968002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sodium	ug/L	27200	5000	31700	91	75-125	

SAMPLE DUPLICATE: 620584

Parameter	Units	9295999001 Result	Dup Result	RPD	Qualifiers
Sodium	ug/L	11600	11600	0	

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QUALITY CONTROL DATA

Project: OSR-RESAMPLE
Pace Project No.: 9295968

QC Batch: MSV/15698
Analysis Method: EPA 8260
QC Batch Method: EPA 8260
Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 9295968001, 9295968002

METHOD BLANK: 622221
Matrix: Water
Associated Lab Samples: 9295968001, 9295968002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	06/17/11 10:29	
Tetrachloroethene	ug/L	ND	1.0	06/17/11 10:29	
Tetrahydrofuran	ug/L	ND	10.0	06/17/11 10:29	
1,2-Dichloroethane-d4 (S)	%	106	70-130	06/17/11 10:29	
4-Bromofluorobenzene (S)	%	93	70-130	06/17/11 10:29	
Dibromofluoromethane (S)	%	106	70-130	06/17/11 10:29	
Toluene-d8 (S)	%	100	70-130	06/17/11 10:29	

LABORATORY CONTROL SAMPLE: 622222

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	47.4	95	70-130	
Tetrachloroethene	ug/L	50	51.2	102	70-130	
Tetrahydrofuran	ug/L	500	556	111	70-130	
1,2-Dichloroethane-d4 (S)	%			107	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 622223 622224

Parameter	Units	9296092002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Benzene	ug/L	ND	50	50	48.9	55.3	98	111	70-148	12	
1,2-Dichloroethane-d4 (S)	%						110	109	70-130		
4-Bromofluorobenzene (S)	%						91	88	70-130		
Dibromofluoromethane (S)	%						103	104	70-130		
Toluene-d8 (S)	%						99	97	70-130		

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QUALITY CONTROL DATA

Project: OSR-RESAMPLE
Pace Project No.: 9295968

QC Batch: WET/16855
QC Batch Method: SM 2320B
Analysis Method: SM 2320B
Analysis Description: 2320B Alkalinity
Associated Lab Samples: 9295968002

METHOD BLANK: 623738
Matrix: Water
Associated Lab Samples: 9295968002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	ug/L	ND	5000	06/21/11 17:00	

LABORATORY CONTROL SAMPLE: 623739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	ug/L	50000	53900	108	90-110	

SAMPLE DUPLICATE: 623740

Parameter	Units	9295968002 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	ug/L	165000	165000	0	

SAMPLE DUPLICATE: 623741

Parameter	Units	9296000013 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	ug/L	108 mg/L	107000	0	

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QUALITY CONTROL DATA

Project: OSR-RESAMPLE
Pace Project No.: 9295968

QC Batch: WETA/9949
QC Batch Method: EPA 350.1
Analysis Method: EPA 350.1
Analysis Description: 350.1 Ammonia
Associated Lab Samples: 9295968002

METHOD BLANK: 623794
Matrix: Water
Associated Lab Samples: 9295968002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	ug/L	ND	100	06/22/11 04:07	

LABORATORY CONTROL SAMPLE: 623795

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	ug/L	5000	5410	108	90-110	

MATRIX SPIKE SAMPLE: 623796

Parameter	Units	9296337002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	ug/L	3.0 mg/L	5000	9880	137	90-110	M1

MATRIX SPIKE SAMPLE: 623801

Parameter	Units	9296363002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	ug/L	0.44 mg/L	5000	6390	119	90-110	M1

SAMPLE DUPLICATE: 623802

Parameter	Units	9296369001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	ug/L	0.12 mg/L	115	6	

SAMPLE DUPLICATE: 623803

Parameter	Units	9296370001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	ug/L	146 mg/L	128000	13	

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QUALITY CONTROL DATA

Project: OSR-RESAMPLE
Pace Project No.: 9295968

QC Batch: WETA/9923
QC Batch Method: SM 4500-Cl-E
Analysis Method: SM 4500-Cl-E
Analysis Description: 4500 Chloride
Associated Lab Samples: 9295968002

METHOD BLANK: 622944
Matrix: Water
Associated Lab Samples: 9295968002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	ug/L	ND	5000	06/18/11 14:29	

LABORATORY CONTROL SAMPLE: 622945

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	20000	19500	98	90-110	

MATRIX SPIKE SAMPLE: 622947

Parameter	Units	9295743003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	ug/L	46.1 mg/L	20000	65600	97	75-125	

SAMPLE DUPLICATE: 622946

Parameter	Units	9295743003 Result	Dup Result	RPD	Qualifiers
Chloride	ug/L	46.1 mg/L	46200	0	

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QUALIFIERS

Project: OSR-RESAMPLE
Pace Project No.: 9295968

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.

Pace Analytical is NELAP 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
PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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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

1474053

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- Resample
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: K. Godwin
Pace Profile #: 2588-8

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): *8260	6010 metals (sodium)	Chloride / Alk	NH_3-N	Methane	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	TRIP Blank	WT	—	—	—	6/9	0800	—	2				2					X						001
2	MW-2R	WT	—	—	—	6/9	1140	—	9	4	1	1	3					X	X	X	X	X		002
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
* Benzene	J. Quathen / PACE	6/9	1445	[signature] / PAHL	06/09/11	1445	3.7	4	N	4
Tetrachloroethene										
Tetrahydrofuran										

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: J. Quathen
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 6/9/2011

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.

Sample Condition Upon Receipt

Pace Analytical

Client Name: HDR Project # 92959 68

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 : T1101 **Type of Ice:** (Wet) Blue None ☒ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract 0 °C

Corrected Cooler Temp.: 3.7 C **Biological Tissue is Frozen:** Yes (No)

Temp should be above freezing to 6°C

Date and Initials of person examining contents: JB 06/09/11

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:_____		
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: AW **Date:** 6/9/11 **SRF Review:** AW **Date:** 6/9/11

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)

MW-2R

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

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: 8.31 ft. Casing Volume: 2.1 gallons
Height of Water Col.: 12.69 ft. Cal. 3 Volumes: 6.3 gallons

Purge Information

Date Purged: 6/9/11 Time Start: 10:50 Finish: 11:26 Purge Rate: 100 ml/min
Purging Method: micropurge by QED Total Volume Purged: 1.0 gallons

Sampling Information

Date Sample Collected: 6/9/11 Time Sample Collected: 11:40 (am) pm
Sampling Equipment Used: micropurge by QED

Bottle Type	Preservation	Analysis Required
3-40ml VOA	HCl	8260 Benzene Tetrachloroethene Tetra hydro furan
1-250ml	HNO3	6010 metals
1-250ml	NONE	chloride / Alk
1-125ml	H2SO4	NH3-N
3 vials	NONE	methane

Field Measurements/Observations

Sample Temp. (°C): 19.1 Time: 11:40
Sample pH (s.u.): 5.8 Time: 11:40
Specific Cond. (uS): 698 Time: 11:40
ReDox (mV): 88 Time: 11:40
Odor: NONE
Turbidity (ntu): 3 Time: 11:40
Dis. Oxy. (mg/L): 4.2 Time: 11:40
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: MW-2R micropurge method
Dis = 5 sec Refill = 10 sec TRIP Blank included
Weather Conditions: High 95F WINDS Light & VARIABLE chance of Rain 30%

Sampler Signature: J Qualter Date: 06/09/11

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
10:53	5.8	705	73	38	4.9	15.8	300	—
10:56	5.8	706	75	28	4.4	16.5	600	—
10:59	5.8	701	77	21	4.0	17.0	900	—
11:02	5.8	700	78	15	3.9	17.6	1200	—
11:05	5.8	702	80	9	3.7	17.6	1500	—

Client: HDR

Location: Winston-Salem, NC

Project: OSR Resample (6/9/11)

Well ID: MW-2R

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
11:08	5.8	703	81	8	3.6	17.9	1800
11:11	5.8	703	83	7	3.5	18.0	2100
11:14	5.8	703	83	6	3.6	18.5	2400
11:17	5.8	704	84	4	3.7	18.7	2700
11:20	5.8	699	87	3	3.9	19.0	3000
11:23	5.8	697	87	3	4.0	19.2	3300
11:26	5.8	698	88	3	4.2	19.0	3600