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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

HDR Engineering, Inc. of the Carolinas

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

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

E-mail: eric.wright@hdrinc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Old Salisbury Road landfill	3336 Old Salisbury Road Winston-Salem, NC 27127	34-12	.0500	November 1 and 2, 2010

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 A. Wright — 12/10/2010 — Affix NC Licensed/ Professional Geologist Seal

Signature — Date

NORTH CAROLINA PROFESSIONAL SEAL 19027 ENGINEER ERIC ALAN WRIGHT

440 South Church Street Suite 1000 Charlotte NC 28202

Facility Representative Address

F-0116

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

12/13/10

Revised 6/2009

December 13, 2010

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

Re: Fall 2010 Semiannual Groundwater Sampling Analytical Results
Winston-Salem Construction and Demolition (C&D) Landfill (No. 34-12)
Forsyth County, North Carolina
HDR Project No. 00162-150329-018

Dear Ms. Drummond:

HDR Engineering, Inc. of the Carolinas (HDR), on behalf of the Winston-Salem City/County Utility Commission (the City), is hereby submitting the groundwater analytical results for the Fall 2010 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.

Groundwater samples were collected from the following thirteen on-site detection monitoring wells on November 1 and 2, 2010.

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" for the site.

Barium was detected above the NCDENR Solid Waste Section Limits (SWSL) but below the 2L standard in samples from five wells, as shown on the attached Event Summary Table. Silver, chromium and lead were also detected, though at levels below the SWL 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.

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

Two VOCs, methylene chloride and trichlorofluoromethane, were detected in the groundwater sample for MW-2R; the level of each was above the SWSL but below the 2L standard. Both of these VOCs were previously detected in this well. The detected level of trichlorofluoromethane (36.1 ug/L) is well below the 2L standard of 2,000 ug/L. The detected level of methylene chloride (4.2 ug/L) is slightly below the 2L standard of 5 ug/L. The City will continue to evaluate the detection of these compounds in future sampling events.

Based on the data collected, the existing groundwater monitoring well network at the landfill is adequate to provide representative groundwater quality data and release detection determination for the landfill.

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 the following files:
  - PDF of this report
  - 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

NORTH CAROLINA PROFESSIONAL SEAL 19027 ENGINEER ERIC ALAN WRIGHT 12/13/10

EAW/apb

Enclosures (5)

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

Fall 2010 Event Summary Table

Old Salisbury Road C&D Landfill

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

Standard			Value	Column Labels															
SWSL	2L	units	Row Labels	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
			Nov-10																	
			µg/L																	
5	NE	µg/L	1,1,1,2-Tetrachloroethane																	
1	200	µg/L	1,1,1-Trichloroethane																	
3	0	µg/L	1,1,2,2-Tetrachloroethane																	
1	NE	µg/L	1,1,2-Trichloroethane																	
5	6	µg/L	1,1-Dichloroethane																	
1	0	µg/L	1,2,3-Trichloropropane																	
13	0	µg/L	1,2-Dibromo-3-chloropropane																	
1	0	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																	
200	NE	µg/L	Acrylonitrile																	
10	10	µg/L	Arsenic																	
100	700	µg/L	Barium	85.4	223	302	335	53	100	26.8	157	38.9	48.1	44.9	176	129	61.9	57.6		
1	1	µg/L	Benzene																	
3	NE	µg/L	Bromochloromethane																	
1	1	µg/L	Bromodichloromethane																	
3	4	µg/L	Bromoform																	
10	NE	µg/L	Bromomethane																	
1	2	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																	
1	3	µg/L	Chloromethane																	
10	10	µg/L	Chromium	0.96	0.49		0.68	5.8	0.55	0.62				1.1	4	2.3				
5	70	µg/L	cis-1,2-Dichloroethene																	
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												4.3					
5	500	µg/L	m&p-Xylene																	
0	1	µg/L	Mercury																	
10	20	µg/L	Silver		0.85		1.3	0.16	0.23											
5	7	µg/L	1,1-Dichloroethene																	
1	5	µg/L	Methylene Chloride		4.2															
NE	NE	µg/L	o-Xylene																	
1	2000	µg/L	Trichlorofluoromethane		36.1															
10	20	µg/L	Selenium																	
1	70	µg/L	Styrene																	
1	1	µg/L	Tetrachloroethene																	
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	µg/L	Trichloroethene																	
50	NE	µg/L	Vinyl acetate																	
1	0	µg/L	Vinyl chloride																	
			µmhos/cm																	
			Field Specific Conductance	109	5.43	369	562	204	191	60	193	42	267	183	168	167	307	183		
			deg C																	
			Field Temperature	16.8	16.3	15.9	16.4	16.2	15.1	17.5	16.2	18.5	17	18.1	17.2	17.2	14	13.4		
			mV																	
			REDOX	282	99	-14	260	212	261	329	334	329	-27	183	251	335	9	60		
			NTU																	
			Turbidity	3	6	99	40	3	1.5	1	1	0.5	80	7	200	24	7	8		
			Std. Units																	
			Field pH	5.13	5.05	5.22	6.16	5.13	5.81	5.56	5.38	5.31	5.91	5.82	5.45	5.42	6.37	6.09		
			ug/L																	
			Dissolved Oxygen	6800	4300	4800	3600	8100	4000	7900	7800	7800	5100	4900	5200	7700	6700	8800		

Old Salisbury Road C&D Landfill - Historic Groundwater Detections

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

MCL SWSL	MCL 2L	Value	Row Labels	Jan-96	Oct-96	May-97	Oct-97	May-98	Nov-98	Jun-99	Nov-99	Jun-00	Dec-00	Jul-01	Nov-01	Apr-02	Dec-02	May-03	Nov-03	May-04	Aug-04	Nov-04	Jun-05	Nov-05	Apr-06	Nov-06	Apr-07	Nov-07	Mar-08	Dec-08	Mar-09	Sep-09	Mar-10	Apr-10	Nov-10
		µg/L																																	
			MW-1R																																
10	10	µg/L	Arsenic												5.8																				
100	700	µg/L	Barium	224	180	100	290	100	160	150	130	110	150	87	280	130	100	120	460	96.3		95	48	78	82	94	81	105	90.3	85	74.3	92.8	85.3		85.4
100	700	µg/L	Carbon disulfide	23					28																										
10	10	µg/L	Chromium		6	3	11	49	12	7.8	5.2		6.6	6.6	22	5	2.3	4.3		3.5		2							0.49	0.64	0.88	2	1.4		0.96
10	15	µg/L	Lead	6			12								10				22																
0.2	1	µg/L	Mercury	1.8	0.2																														
1	5	µg/L	Methylene Chloride							13																									
10	20	µg/L	Selenium																				5.5												
10	20	µg/L	Silver																										0.43	0.62		0.48	0.29		
1	600	µg/L	Toluene												21																				
			MW-2R																																
100	4000	µg/L	2-Butanone (MEK)	86																															
10	10	µg/L	Arsenic						11																										
100	700	µg/L	Barium	350	160	200	340	190	1100	150	120	180	61	280	160	100	140	56	60	55		52	43	62	52	90	79	107	102	98.8	88.5	80.7	103		223
1	2	µg/L	Cadmium			3											1.9																		
5	70	µg/L	Chloroform																											3.4					
10	10	µg/L	Chromium	12	9	4	43	34	210	7.8	14	3	3.9	16	16		2.1		2.2										0.79	0.5	1.6		1.2		0.49
10	15	µg/L	Lead	26	8	14	31	19	68		6.9	6.5		8.9	7																				
0.2	1	µg/L	Mercury	0.4																				0.34											
1	5	µg/L	Methylene Chloride							13																									4.2
10	20	µg/L	Silver			6																							0.93	1.2	0.58	0.68	0.67		0.85
1	2000	µg/L	Trichlorofluoromethane																														22.2	21.9	36.1
			MW-3R																																
10	10	µg/L	Arsenic								5.9		31	18	8.4	7.4																	4		
100	700	µg/L	Barium	1230	790	800	620	860	1400		52	300	1500	950	400	370	13	220	200	270		340	300	300	290	230	310	273	293	231	252	289	314		302
1	2	µg/L	Cadmium																							2							0.82		
100	700	µg/L	Carbon disulfide																												3.3	26.1			
10	10	µg/L	Chromium	9	20	28	16	25	77		24		100	50	19	15			2.3	3.7		2.3							0.63						
10	15	µg/L	Lead	15	15	27	26	32	39		40		80	53	35	21				14															
0.2	1	µg/L	Mercury	0.7			0.2																												
10	20	µg/L	Selenium																								24	18.1	4.9	11.8					
10	20	µg/L	Silver																										0.87	1.5	0.29	1	0.45		
			MW-4R																																
10	10	µg/L	Arsenic								7.5			5.6	12					9.2															
100	700	µg/L	Barium	595	720	280	650	850	2000	950	860	570	350	550	900	61	86	94	97	380		140	150	180	220	220	200	287	172	263	58.3	334	55.9		335
1	2	µg/L	Cadmium	7																															
10	10	µg/L	Chromium	21	47		55	130	300	110	60		28	38	95		5	5.5	2.6	14									0.4	0.58	1.2	5.4	1.3		0.68
10	15	µg/L	Lead	17	16	12	29	43	76	50	40	9.5	8.1	14	36		6	5.3		18												4.8			
0.2	1	µg/L	Mercury	1.7	0.3				0.21		0.36																								
1	5	µg/L	Methylene Chloride							10																									
10	20	µg/L	Silver			6																							0.94	2.6		2.4			1.3

Old Salisbury Road C&D Landfill - Historic Groundwater Detections

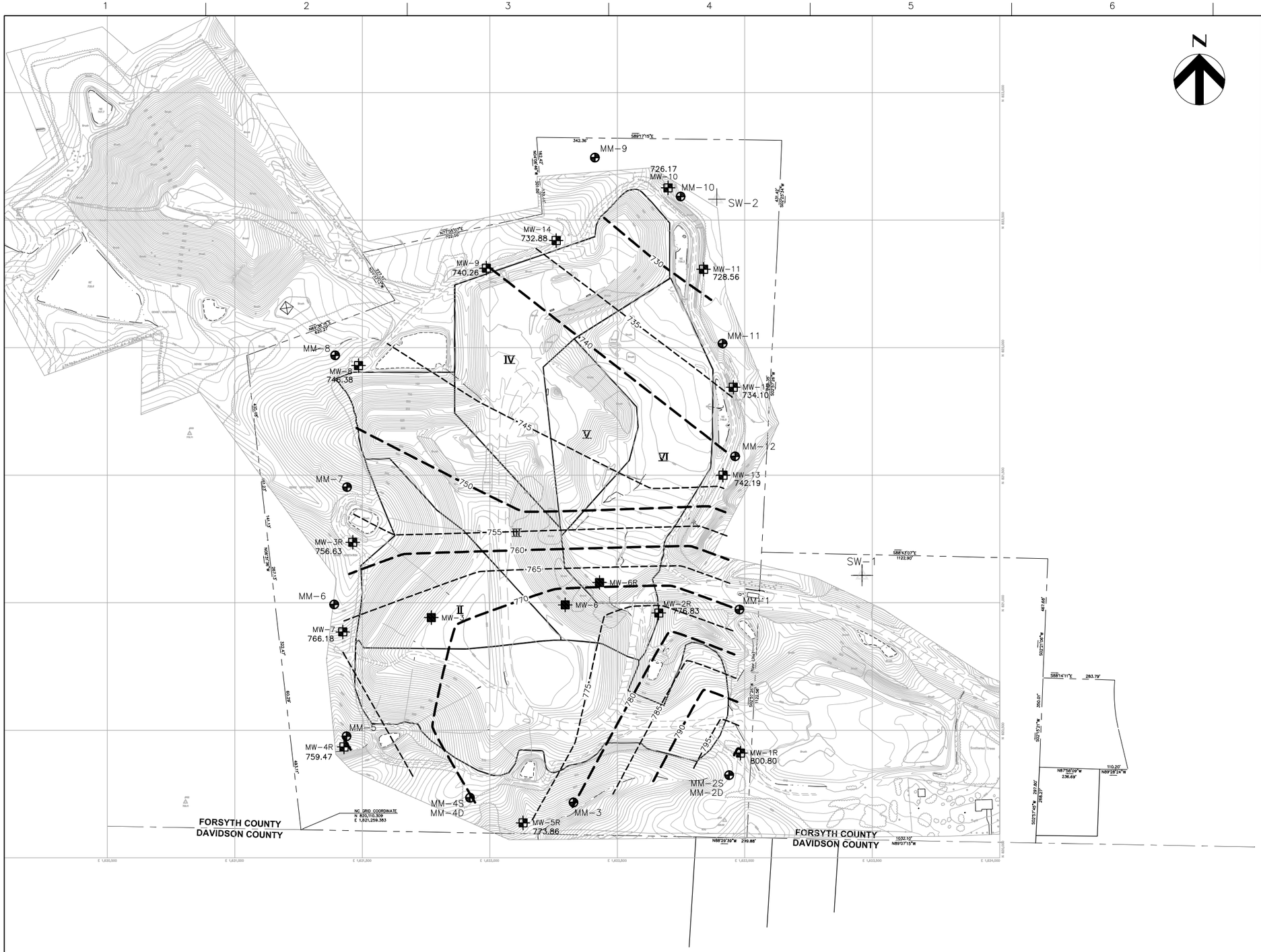
Highlighted cells are at or above the current standard. Blank cells indicate either NS or ND.

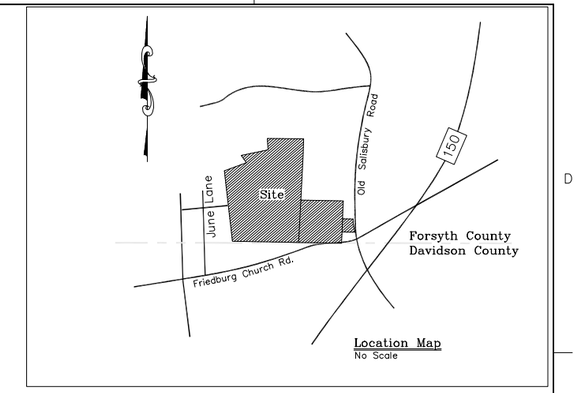
MCL SWSL	MCL 2L	Value	Row Labels	Jan-96	Oct-96	May-97	Oct-97	May-98	Nov-98	Jun-99	Nov-99	Jun-00	Dec-00	Jul-01	Nov-01	Apr-02	Dec-02	May-03	Nov-03	May-04	Aug-04	Nov-04	Jun-05	Nov-05	Apr-06	Nov-06	Apr-07	Nov-07	Mar-08	Dec-08	Mar-09	Sep-09	Mar-10	Apr-10	Nov-10
			MW-5R																																
100	6000	µg/L	Acetone						150																										
10	10	µg/L	Arsenic					5					5		7					5		5.1											4.2		
100	700	µg/L	Barium	1000	620	330	610	820	480	240	200	200	400	270	610	150	65	72	65	76		80	53	54	57	58	58	70.6	57.5	56.1	52.6	66.8	54.3		53
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	96	43	70	16	170	96	38	29	8.1	82	49	140	23	7.4	9.5	8.7	7.3		14	5.6	3.5	6.2	6.2	6.4	8.4	5.6	5.3	5.2	8.6	5		5.8
10	15	µg/L	Lead	19	20	14	31	69	29	16	8.2		7.6	7.6	13					5.1															
0.2	1	µg/L	Mercury	0.8																				0.4											
1	5	µg/L	Methylene Chloride							10																									
10	20	µg/L	Silver																										0.56	0.78	0.28	0.6	0.46		0.16
			MW-6R																																
10	10	µg/L	Arsenic												16																				
100	700	µg/L	Barium	1400	590	300	260	360	160		59	82	41	62	530	180	41	24	25	28															
10	10	µg/L	Chromium	12	10	21	14	33	12		2.8		2.6	4.1	95	26	3.2		2.4	2.2															
10	15	µg/L	Lead	18	11	14	14	20				5.8			38	7.6																			
0.2	1	µg/L	Mercury	1.4																															
			MW-7																																
10	10	µg/L	Arsenic							9.8			45	16	17				8.6														3.4		
100	700	µg/L	Barium	1930	970	750	1800	1200	1300	960	390	360	2600	1300	1300	84	210	130	820	180		63	53	60	74	76	89	101	95.7	99	86.9	104	99.3		100
100	700	µg/L	Carbon disulfide						9																							12.5			
10	10	µg/L	Chromium	28	21	180	410	430	350	190	62	2.5	580	210	270	6.8	32	17	150	26		4.4							7.3	0.91		0.65			0.55
10	15	µg/L	Lead	17	6	23	53	38	36	30	12	8.7	65	26	36		6	5.3	24																
0.2	1	µg/L	Mercury	1.4	0.4		0.2																	0.24											
1	5	µg/L	Methylene Chloride							10																									
10	20	µg/L	Silver													2.6													0.66	0.96	0.42	0.88	0.56		0.23
			MW-8																																
10	10	µg/L	Arsenic										89	46	36					6															
100	700	µg/L	Barium										4200	2600	2700	150	48	77	52	480		30	25	26	29	29	30	26.6	24	32.8	25	27.2	28.8		26.8
10	10	µg/L	Chromium										240	92	94	23	2	3.8	3.2	28		2.4							0.42	0.97	0.78		1.4		0.62
10	15	µg/L	Lead										400	210	150			6.7		41															
0.2	1	µg/L	Mercury																					0.26					0.1						
10	20	µg/L	Silver																									0.16	0.13	0.15		0.16			
			MW-9																																
100	700	µg/L	Barium																		240	95	85	100	100	140	140	117	124	124	173	128	134		157
10	10	µg/L	Chromium																		14									0.47	7.6				
10	15	µg/L	Lead																		14														
10	20	µg/L	Silver																									0.32	0.22	0.36	0.18	0.32	0.27		
			MW-10																																
100	700	µg/L	Barium																		98	55	82	46	48	71	52	40.8	42	41.9	38.9	39.1	46.6		38.9
100	700	µg/L	Carbon disulfide																													13			
10	10	µg/L	Chromium																		13										0.65				
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																													0.19			

Old Salisbury Road C&D Landfill - Historic Groundwater Detections

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

MCL SWSL	MCL 2L	Value	Row Labels	Jan-96	Oct-96	May-97	Oct-97	May-98	Nov-98	Jun-99	Nov-99	Jun-00	Dec-00	Jul-01	Nov-01	Apr-02	Dec-02	May-03	Nov-03	May-04	Aug-04	Nov-04	Jun-05	Nov-05	Apr-06	Nov-06	Apr-07	Nov-07	Mar-08	Dec-08	Mar-09	Sep-09	Mar-10	Apr-10	Nov-10
			MW-11																																
100	700	µg/L	Barium																		47	28	24	27	26	24	25	23.1	29.2	28.6	28.4	31.8	37.6		48.1
10	10	µg/L	Chromium																		3.3	3.9													
10	20	µg/L	Selenium																											8.7					
10	20	µg/L	Silver																									0.39	0.41	0.79		0.5	0.48		
			MW-12																																
10	10	µg/L	Arsenic																														2.7		
100	700	µg/L	Barium																		74	77	50	77	55	66	31	47.3	60.5	57.9	34.5	38	40.6		44.9
10	10	µg/L	Chromium																			2.1			4				1.8		2		2.4		1.1
10	20	µg/L	Silver																									0.26	0.15	0.37		0.39	0.2		
			MW-13																																
5	7	µg/L	1,1-Dichloroethene																													19.8			
100	700	µg/L	Barium																		160	57	46	59	65	62	79	85.6	64.6	88.7	79.2	117	126		176
10	10	µg/L	Chromium																		9.2	4.8			2				1.1	2.2	1.6	0.8	1.7		4
10	15	µg/L	Lead																		11														4.3
10	20	µg/L	Silver																										0.21	0.44		0.41	0.4		
1	2000	µg/L	Trichlorofluoromethane																													18.6			
			MW-14																																
10	10	µg/L	Arsenic																							8.3				7.3					
100	700	µg/L	Barium																		170	66	69	120	250	460	210	130	186	583	97.9	242	130		129
10	10	µg/L	Chromium																		3.2			3.9	15	35	6.6	1.7	4.1	40.2	0.4	10.7	3		2.3
10	15	µg/L	Lead																		8			5.9	13	23	5.2			26.2		7.2			
0.2	1	µg/L	Mercury																					0.44				0.1							
10	20	µg/L	Silver																									0.48	0.56	0.46		0.54	0.39		
			SW-1																																
100	6000	µg/L	Acetone																									22.7							
10	10	µg/L	Arsenic																		20		23										3.7		
100	700	µg/L	Barium																		500	53	750	73	120	54	88	70.3	79.7	78.2	45.6	77.7	92.5		61.9
10	10	µg/L	Chromium																		36	3.2	52		4.2			0.61	1.2	0.67	0.61				
10	15	µg/L	Lead																		38		57									17.5			
0.2	1	µg/L	Mercury																					1.1											
10	20	µg/L	Silver																									0.51	0.37	0.39		0.62	0.28		
			SW-2																																
10	10	µg/L	Arsenic																								5.5								
100	700	µg/L	Barium																		63	65	47	51	150	44	300	49.4	50.6	50.6	46.3	52.1	59.4		57.6
10	10	µg/L	Chromium																						4.7		17				0.42				
10	15	µg/L	Lead																						7.6		11								
0.2	1	µg/L	Mercury																													0.08			
10	20	µg/L	Selenium																								21								
10	20	µg/L	Silver																									0.26	0.26	0.5		0.36	0.2		





Location Map
No Scale

LEGEND

810	EXISTING CONTOURS
	PROPERTY BOUNDARY
	COUNTY LINE
	LANDFILL PHASE BOUNDARY
	STREAM

PROPOSED	EXISTING	ABANDONED	
			MONITORING WELLS (MW & OW)
			METHANE PROBES (MM)
	SW-#		SURFACE WATER
730			GROUNDWATER INDEX CONTOURS
735			GROUNDWATER INTERMEDIATE CONTOURS

NOTES

1. AERIAL TOPOGRAPHIC SURVEY PROVIDED BY BRADY SURVEYING COMPANY. DATE OF PHOTOGRAPH IS JANUARY 2, 2010.
2. PROPERTY SURVEY TAKEN FROM DATA SUPPLIED BY BRADY SURVEYING, INC. DATED MARCH 14, 1994.
3. GROUNDWATER ELEVATIONS MEASURED ON NOVEMBER, 2010.
4. MSL – MEAN SEA LEVEL

HDR
HDR Engineering, Inc.

ISSUE	DATE	DESCRIPTION
A	12/2010	ISSUED WITH GW REPORT

PROJECT MANAGER	M.D. PLUMMER, P.E.
	E.A. WRIGHT, P.E.
	J. GAUL
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, 12/13/2010 10:54:22 AM, jgaul

Pace Analytical Services, Inc.
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Huntersville, NC 28078
(704)875-9092

November 17, 2010

Mr. Eric Wright
HDR Engineering
4400 South Church Street
Suite 1000
Charlotte, NC 28202

RE: Project: OSR
Pace Project No.: 9281070

Dear Mr. Wright:
Enclosed are the analytical results for sample(s) received by the laboratory on November 02, 2010. 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.: 9281070

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.: 9281070

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9281070001	**TRIP BLANK**	EPA 8260	KJM	52	PASI-C
9281070002	**EQUIP BLANK**	EPA 8260	MCK	52	PASI-C
9281070003	**MW-8**		KRG	13	PASI-C
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	52	PASI-C
9281070004	**MW-9**		KRG	13	PASI-C
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	52	PASI-C
9281070005	**MW-14**		KRG	13	PASI-C
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	52	PASI-C
9281070006	**SW-2**		KRG	11	PASI-C
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	52	PASI-C
9281070007	**MW-10**		KRG	13	PASI-C
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	52	PASI-C
9281070008	**MW-11**		KRG	13	PASI-C
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	52	PASI-C
9281070009	**MW-12**		KRG	13	PASI-C
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	52	PASI-C
9281070010	**MW-13**		KRG	13	PASI-C
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	52	PASI-C
9281070011	**MW-7**		KRG	13	PASI-C
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: OSR
Pace Project No.: 9281070

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	MCK	52	PASI-C
9281070012	**MW-4R**		KRG	13	PASI-C
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	52	PASI-C
9281070013	**MW-5R**		KRG	13	PASI-C
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	52	PASI-C
9281070014	**MW-1R**		KRG	13	PASI-C
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	52	PASI-C
9281070015	**MW-2R**		KRG	13	PASI-C
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	52	PASI-C
9281070016	**SW-1**		KRG	11	PASI-C
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	52	PASI-C
9281070017	**MW-3R**		KRG	13	PASI-C
		EPA 6010	SHB	7	PASI-A
		EPA 7470	JMW	1	PASI-A
		EPA 8260	MCK	52	PASI-C

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: TRIP BLANK **Lab ID: 9281070001** Collected: 11/01/10 08:00 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/14/10 16:13	67-64-1	
Acrylonitrile	ND	ug/L	100	1		11/14/10 16:13	107-13-1	
Benzene	ND	ug/L	5.0	1		11/14/10 16:13	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/14/10 16:13	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/14/10 16:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/14/10 16:13	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/14/10 16:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/14/10 16:13	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/14/10 16:13	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/14/10 16:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/14/10 16:13	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/14/10 16:13	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/14/10 16:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/14/10 16:13	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/14/10 16:13	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/14/10 16:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/14/10 16:13	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/14/10 16:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/14/10 16:13	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/14/10 16:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		11/14/10 16:13	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/14/10 16:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/14/10 16:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/14/10 16:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/14/10 16:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/14/10 16:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/14/10 16:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/14/10 16:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/14/10 16:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/14/10 16:13	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		11/14/10 16:13	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/14/10 16:13	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		11/14/10 16:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/14/10 16:13	108-10-1	
Styrene	ND	ug/L	5.0	1		11/14/10 16:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/14/10 16:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/14/10 16:13	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/14/10 16:13	127-18-4	
Toluene	ND	ug/L	5.0	1		11/14/10 16:13	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/14/10 16:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/14/10 16:13	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/14/10 16:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/14/10 16:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/14/10 16:13	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/14/10 16:13	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/14/10 16:13	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/14/10 16:13	179601-23-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: TRIP BLANK **Lab ID: 9281070001** Collected: 11/01/10 08:00 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
o-Xylene	ND	ug/L	5.0	1		11/14/10 16:13	95-47-6	
4-Bromofluorobenzene (S)	101	%	70-130	1		11/14/10 16:13	460-00-4	
Dibromofluoromethane (S)	109	%	70-130	1		11/14/10 16:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	116	%	70-130	1		11/14/10 16:13	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		11/14/10 16:13	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: EQUIP BLANK **Lab ID: 9281070002** Collected: 11/01/10 10:00 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/08/10 10:57	67-64-1	
Acrylonitrile	ND	ug/L	100	1		11/08/10 10:57	107-13-1	
Benzene	ND	ug/L	5.0	1		11/08/10 10:57	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/08/10 10:57	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/10 10:57	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/10 10:57	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/08/10 10:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/08/10 10:57	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/10 10:57	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/10 10:57	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/10 10:57	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/08/10 10:57	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/10 10:57	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/10 10:57	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/08/10 10:57	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/10 10:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/10 10:57	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/08/10 10:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 10:57	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 10:57	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		11/08/10 10:57	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/10 10:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/10 10:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/10 10:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 10:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 10:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/10 10:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 10:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 10:57	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/10 10:57	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		11/08/10 10:57	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/08/10 10:57	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		11/08/10 10:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/08/10 10:57	108-10-1	
Styrene	ND	ug/L	5.0	1		11/08/10 10:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 10:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 10:57	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/10 10:57	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/10 10:57	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/10 10:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/10 10:57	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/10 10:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/08/10 10:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/08/10 10:57	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/08/10 10:57	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/08/10 10:57	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/08/10 10:57	179601-23-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: EQUIP BLANK **Lab ID: 9281070002** Collected: 11/01/10 10:00 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
o-Xylene	ND	ug/L	5.0	1		11/08/10 10:57	95-47-6	
4-Bromofluorobenzene (S)	106	%	70-130	1		11/08/10 10:57	460-00-4	
Dibromofluoromethane (S)	97	%	70-130	1		11/08/10 10:57	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	70-130	1		11/08/10 10:57	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		11/08/10 10:57	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-8 **Lab ID: 9281070003** Collected: 11/01/10 10:35 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		11/11/10 10:18		
Collected Date	**11/01/10**			1		11/11/10 10:18		
Collected Time	**10:35**			1		11/11/10 10:18		
Field pH	**5.56**	Std. Units		1		11/11/10 10:18		
Field Temperature	**17.5**	deg C		1		11/11/10 10:18		
Static Water Level	**16.12**	feet		1		11/11/10 10:18		
Field Specific Conductance	**60**	umhos/cm		1		11/11/10 10:18		
Oxygen, Dissolved	**7.9**	mg/L		1		11/11/10 10:18	7782-44-7	
Total Well Depth	**27**	feet		1		11/11/10 10:18		
REDOX	**329**	mV		1		11/11/10 10:18		
Turbidity	**1.0**	NTU		1		11/11/10 10:18		
Odor	**NONE**			1		11/11/10 10:18		
Appearance	**CLEAR**			1		11/11/10 10:18		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:47	7440-38-2	
Barium	**26.8**	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:47	7440-39-3	
Cadmium	ND	ug/L	1.0	1	11/09/10 10:20	11/10/10 18:47	7440-43-9	
Chromium	**0.62J**	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:47	7440-47-3	
Lead	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:47	7439-92-1	
Selenium	ND	ug/L	10.0	1	11/09/10 10:20	11/10/10 18:47	7782-49-2	
Silver	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:47	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	11/04/10 15:55	11/08/10 15:28	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/08/10 11:15	67-64-1	
Acrylonitrile	ND	ug/L	100	1		11/08/10 11:15	107-13-1	
Benzene	ND	ug/L	5.0	1		11/08/10 11:15	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/08/10 11:15	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/10 11:15	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/10 11:15	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/08/10 11:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/08/10 11:15	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/10 11:15	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/10 11:15	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/10 11:15	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/08/10 11:15	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/10 11:15	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/10 11:15	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/08/10 11:15	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/10 11:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/10 11:15	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/08/10 11:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 11:15	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-8 **Lab ID: 9281070003** Collected: 11/01/10 10:35 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 11:15	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		11/08/10 11:15	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/10 11:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/10 11:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/10 11:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 11:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 11:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/10 11:15	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 11:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 11:15	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/10 11:15	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		11/08/10 11:15	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/08/10 11:15	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		11/08/10 11:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/08/10 11:15	108-10-1	
Styrene	ND	ug/L	5.0	1		11/08/10 11:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 11:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 11:15	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/10 11:15	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/10 11:15	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/10 11:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/10 11:15	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/10 11:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/08/10 11:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/08/10 11:15	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/08/10 11:15	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/08/10 11:15	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/08/10 11:15	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/08/10 11:15	95-47-6	
4-Bromofluorobenzene (S)	108	%	70-130	1		11/08/10 11:15	460-00-4	
Dibromofluoromethane (S)	100	%	70-130	1		11/08/10 11:15	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		11/08/10 11:15	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		11/08/10 11:15	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-9 **Lab ID: 9281070004** Collected: 11/01/10 11:30 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		11/11/10 10:19		
Collected Date	**11/01/10**			1		11/11/10 10:19		
Collected Time	**11:30**			1		11/11/10 10:19		
Field pH	**5.38**	Std. Units		1		11/11/10 10:19		
Field Temperature	**16.2**	deg C		1		11/11/10 10:19		
Static Water Level	**50.02**	feet		1		11/11/10 10:19		
Field Specific Conductance	**193**	umhos/cm		1		11/11/10 10:19		
Oxygen, Dissolved	**7.8**	mg/L		1		11/11/10 10:19	7782-44-7	
Total Well Depth	**60**	feet		1		11/11/10 10:19		
REDOX	**334**	mV		1		11/11/10 10:19		
Turbidity	**1.0**	NTU		1		11/11/10 10:19		
Odor	**NONE**			1		11/11/10 10:19		
Appearance	**CLEAR**			1		11/11/10 10:19		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:50	7440-38-2	
Barium	**157**	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:50	7440-39-3	
Cadmium	ND	ug/L	1.0	1	11/09/10 10:20	11/10/10 18:50	7440-43-9	
Chromium	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:50	7440-47-3	
Lead	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:50	7439-92-1	
Selenium	ND	ug/L	10.0	1	11/09/10 10:20	11/10/10 18:50	7782-49-2	
Silver	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:50	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	11/04/10 15:55	11/08/10 15:30	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/08/10 11:34	67-64-1	
Acrylonitrile	ND	ug/L	100	1		11/08/10 11:34	107-13-1	
Benzene	ND	ug/L	5.0	1		11/08/10 11:34	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/08/10 11:34	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/10 11:34	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/10 11:34	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/08/10 11:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/08/10 11:34	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/10 11:34	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/10 11:34	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/10 11:34	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/08/10 11:34	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/10 11:34	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/10 11:34	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/08/10 11:34	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/10 11:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/10 11:34	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/08/10 11:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 11:34	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-9 **Lab ID: 9281070004** Collected: 11/01/10 11:30 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 11:34	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		11/08/10 11:34	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/10 11:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/10 11:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/10 11:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 11:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 11:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/10 11:34	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 11:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 11:34	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/10 11:34	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		11/08/10 11:34	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/08/10 11:34	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		11/08/10 11:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/08/10 11:34	108-10-1	
Styrene	ND	ug/L	5.0	1		11/08/10 11:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 11:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 11:34	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/10 11:34	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/10 11:34	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/10 11:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/10 11:34	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/10 11:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/08/10 11:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/08/10 11:34	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/08/10 11:34	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/08/10 11:34	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/08/10 11:34	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/08/10 11:34	95-47-6	
4-Bromofluorobenzene (S)	105	%	70-130	1		11/08/10 11:34	460-00-4	
Dibromofluoromethane (S)	100	%	70-130	1		11/08/10 11:34	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	70-130	1		11/08/10 11:34	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		11/08/10 11:34	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-14 **Lab ID: 9281070005** Collected: 11/01/10 12:15 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		11/11/10 10:21		
Collected Date	**11/01/10**			1		11/11/10 10:21		
Collected Time	**12:15**			1		11/11/10 10:21		
Field pH	**5.42**	Std. Units		1		11/11/10 10:21		
Field Temperature	**17.2**	deg C		1		11/11/10 10:21		
Static Water Level	**51.00**	feet		1		11/11/10 10:21		
Field Specific Conductance	**167**	umhos/cm		1		11/11/10 10:21		
Oxygen, Dissolved	**7.7**	mg/L		1		11/11/10 10:21	7782-44-7	
Total Well Depth	**60**	feet		1		11/11/10 10:21		
REDOX	**335**	mV		1		11/11/10 10:21		
Turbidity	**24**	NTU		1		11/11/10 10:21		
Odor	**NONE**			1		11/11/10 10:21		
Appearance	**CLEAR**			1		11/11/10 10:21		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:53	7440-38-2	
Barium	**129**	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:53	7440-39-3	
Cadmium	ND	ug/L	1.0	1	11/09/10 10:20	11/10/10 18:53	7440-43-9	
Chromium	**2.3J**	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:53	7440-47-3	
Lead	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:53	7439-92-1	
Selenium	ND	ug/L	10.0	1	11/09/10 10:20	11/10/10 18:53	7782-49-2	
Silver	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:53	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	11/04/10 15:55	11/08/10 15:38	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/08/10 11:52	67-64-1	
Acrylonitrile	ND	ug/L	100	1		11/08/10 11:52	107-13-1	
Benzene	ND	ug/L	5.0	1		11/08/10 11:52	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/08/10 11:52	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/10 11:52	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/10 11:52	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/08/10 11:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/08/10 11:52	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/10 11:52	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/10 11:52	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/10 11:52	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/08/10 11:52	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/10 11:52	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/10 11:52	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/08/10 11:52	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/10 11:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/10 11:52	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/08/10 11:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 11:52	95-50-1	

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(704)875-9092

ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-14 **Lab ID: 9281070005** Collected: 11/01/10 12:15 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 11:52	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		11/08/10 11:52	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/10 11:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/10 11:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/10 11:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 11:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 11:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/10 11:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 11:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 11:52	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/10 11:52	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		11/08/10 11:52	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/08/10 11:52	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		11/08/10 11:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/08/10 11:52	108-10-1	
Styrene	ND	ug/L	5.0	1		11/08/10 11:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 11:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 11:52	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/10 11:52	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/10 11:52	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/10 11:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/10 11:52	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/10 11:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/08/10 11:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/08/10 11:52	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/08/10 11:52	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/08/10 11:52	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/08/10 11:52	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/08/10 11:52	95-47-6	
4-Bromofluorobenzene (S)	105	%	70-130	1		11/08/10 11:52	460-00-4	
Dibromofluoromethane (S)	100	%	70-130	1		11/08/10 11:52	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	70-130	1		11/08/10 11:52	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		11/08/10 11:52	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: SW-2 **Lab ID: 9281070006** Collected: 11/01/10 12:35 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		11/11/10 10:38		
Collected Date	**11/01/10**			1		11/11/10 10:38		
Collected Time	**12:35**			1		11/11/10 10:38		
Field pH	**6.09**	Std. Units		1		11/11/10 10:38		
Field Temperature	**13.4**	deg C		1		11/11/10 10:38		
Field Specific Conductance	**183**	umhos/cm		1		11/11/10 10:38		
Oxygen, Dissolved	**8.8**	mg/L		1		11/11/10 10:38	7782-44-7	
REDOX	**60**	mV		1		11/11/10 10:38		
Turbidity	**8.0**	NTU		1		11/11/10 10:38		
Odor	**NONE**			1		11/11/10 10:38		
Appearance	**CLEAR**			1		11/11/10 10:38		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:56	7440-38-2	
Barium	**57.6**	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:56	7440-39-3	
Cadmium	ND	ug/L	1.0	1	11/09/10 10:20	11/10/10 18:56	7440-43-9	
Chromium	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:56	7440-47-3	
Lead	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:56	7439-92-1	
Selenium	ND	ug/L	10.0	1	11/09/10 10:20	11/10/10 18:56	7782-49-2	
Silver	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 18:56	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	11/04/10 15:55	11/08/10 15:41	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/08/10 12:11	67-64-1	
Acrylonitrile	ND	ug/L	100	1		11/08/10 12:11	107-13-1	
Benzene	ND	ug/L	5.0	1		11/08/10 12:11	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/08/10 12:11	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/10 12:11	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/10 12:11	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/08/10 12:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/08/10 12:11	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/10 12:11	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/10 12:11	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/10 12:11	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/08/10 12:11	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/10 12:11	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/10 12:11	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/08/10 12:11	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/10 12:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/10 12:11	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/08/10 12:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 12:11	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 12:11	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		11/08/10 12:11	110-57-6	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: SW-2 **Lab ID: 9281070006** Collected: 11/01/10 12:35 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/10 12:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/10 12:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/10 12:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 12:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 12:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/10 12:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 12:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 12:11	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/10 12:11	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		11/08/10 12:11	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/08/10 12:11	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		11/08/10 12:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/08/10 12:11	108-10-1	
Styrene	ND	ug/L	5.0	1		11/08/10 12:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 12:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 12:11	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/10 12:11	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/10 12:11	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/10 12:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/10 12:11	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/10 12:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/08/10 12:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/08/10 12:11	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/08/10 12:11	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/08/10 12:11	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/08/10 12:11	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/08/10 12:11	95-47-6	
4-Bromofluorobenzene (S)	105	%	70-130	1		11/08/10 12:11	460-00-4	
Dibromofluoromethane (S)	98	%	70-130	1		11/08/10 12:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		11/08/10 12:11	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		11/08/10 12:11	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-10 **Lab ID: 9281070007** Collected: 11/01/10 14:00 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		11/11/10 10:39		
Collected Date	**11/01/10**			1		11/11/10 10:39		
Collected Time	**14:00**			1		11/11/10 10:39		
Field pH	**5.31**	Std. Units		1		11/11/10 10:39		
Field Temperature	**18.5**	deg C		1		11/11/10 10:39		
Static Water Level	**12.04**	feet		1		11/11/10 10:39		
Field Specific Conductance	**42**	umhos/cm		1		11/11/10 10:39		
Oxygen, Dissolved	**7.8**	mg/L		1		11/11/10 10:39	7782-44-7	
Total Well Depth	**21.0**	feet		1		11/11/10 10:39		
REDOX	**329**	mV		1		11/11/10 10:39		
Turbidity	**0.5**	NTU		1		11/11/10 10:39		
Odor	**NONE**			1		11/11/10 10:39		
Appearance	**CLEAR**			1		11/11/10 10:39		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:00	7440-38-2	
Barium	**38.9**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:00	7440-39-3	
Cadmium	ND	ug/L	1.0	1	11/09/10 10:20	11/10/10 19:00	7440-43-9	
Chromium	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:00	7440-47-3	
Lead	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:00	7439-92-1	
Selenium	ND	ug/L	10.0	1	11/09/10 10:20	11/10/10 19:00	7782-49-2	
Silver	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:00	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	11/04/10 15:55	11/08/10 15:44	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/08/10 12:29	67-64-1	
Acrylonitrile	ND	ug/L	100	1		11/08/10 12:29	107-13-1	
Benzene	ND	ug/L	5.0	1		11/08/10 12:29	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/08/10 12:29	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/10 12:29	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/10 12:29	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/08/10 12:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/08/10 12:29	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/10 12:29	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/10 12:29	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/10 12:29	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/08/10 12:29	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/10 12:29	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/10 12:29	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/08/10 12:29	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/10 12:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/10 12:29	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/08/10 12:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 12:29	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-10 **Lab ID: 9281070007** Collected: 11/01/10 14:00 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 12:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		11/08/10 12:29	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/10 12:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/10 12:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/10 12:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 12:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 12:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/10 12:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 12:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 12:29	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/10 12:29	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		11/08/10 12:29	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/08/10 12:29	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		11/08/10 12:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/08/10 12:29	108-10-1	
Styrene	ND	ug/L	5.0	1		11/08/10 12:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 12:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 12:29	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/10 12:29	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/10 12:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/10 12:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/10 12:29	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/10 12:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/08/10 12:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/08/10 12:29	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/08/10 12:29	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/08/10 12:29	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/08/10 12:29	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/08/10 12:29	95-47-6	
4-Bromofluorobenzene (S)	105	%	70-130	1		11/08/10 12:29	460-00-4	
Dibromofluoromethane (S)	99	%	70-130	1		11/08/10 12:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		11/08/10 12:29	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		11/08/10 12:29	2037-26-5	

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(704)875-9092

ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-11 **Lab ID: 9281070008** Collected: 11/01/10 15:10 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		11/11/10 10:40		
Collected Date	**11/01/10**			1		11/11/10 10:40		
Collected Time	**15:10**			1		11/11/10 10:40		
Field pH	**5.91**	Std. Units		1		11/11/10 10:40		
Field Temperature	**17.0**	deg C		1		11/11/10 10:40		
Static Water Level	**4.03**	feet		1		11/11/10 10:40		
Field Specific Conductance	**267**	umhos/cm		1		11/11/10 10:40		
Oxygen, Dissolved	**5.1**	mg/L		1		11/11/10 10:40	7782-44-7	
Total Well Depth	**20.0**	feet		1		11/11/10 10:40		
REDOX	**-27**	mV		1		11/11/10 10:40		
Turbidity	**80**	NTU		1		11/11/10 10:40		
Odor	**NONE**			1		11/11/10 10:40		
Appearance	**HAZY**			1		11/11/10 10:40		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:03	7440-38-2	
Barium	**48.1**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:03	7440-39-3	
Cadmium	ND	ug/L	1.0	1	11/09/10 10:20	11/10/10 19:03	7440-43-9	
Chromium	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:03	7440-47-3	
Lead	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:03	7439-92-1	
Selenium	ND	ug/L	10.0	1	11/09/10 10:20	11/10/10 19:03	7782-49-2	
Silver	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:03	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	11/04/10 15:55	11/08/10 15:46	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/08/10 12:47	67-64-1	
Acrylonitrile	ND	ug/L	100	1		11/08/10 12:47	107-13-1	
Benzene	ND	ug/L	5.0	1		11/08/10 12:47	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/08/10 12:47	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/10 12:47	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/10 12:47	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/08/10 12:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/08/10 12:47	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/10 12:47	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/10 12:47	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/10 12:47	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/08/10 12:47	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/10 12:47	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/10 12:47	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/08/10 12:47	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/10 12:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/10 12:47	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/08/10 12:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 12:47	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-11 **Lab ID: 9281070008** Collected: 11/01/10 15:10 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 12:47	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		11/08/10 12:47	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/10 12:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/10 12:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/10 12:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 12:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 12:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/10 12:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 12:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 12:47	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/10 12:47	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		11/08/10 12:47	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/08/10 12:47	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		11/08/10 12:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/08/10 12:47	108-10-1	
Styrene	ND	ug/L	5.0	1		11/08/10 12:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 12:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 12:47	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/10 12:47	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/10 12:47	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/10 12:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/10 12:47	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/10 12:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/08/10 12:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/08/10 12:47	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/08/10 12:47	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/08/10 12:47	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/08/10 12:47	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/08/10 12:47	95-47-6	
4-Bromofluorobenzene (S)	105	%	70-130	1		11/08/10 12:47	460-00-4	
Dibromofluoromethane (S)	99	%	70-130	1		11/08/10 12:47	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	70-130	1		11/08/10 12:47	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		11/08/10 12:47	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-12 **Lab ID: 9281070009** Collected: 11/01/10 15:45 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		11/11/10 10:41		
Collected Date	**11/01/10**			1		11/11/10 10:41		
Collected Time	**15:45**			1		11/11/10 10:41		
Field pH	**5.82**	Std. Units		1		11/11/10 10:41		
Field Temperature	**18.1**	deg C		1		11/11/10 10:41		
Static Water Level	**4.97**	feet		1		11/11/10 10:41		
Field Specific Conductance	**183**	umhos/cm		1		11/11/10 10:41		
Oxygen, Dissolved	**4.9**	mg/L		1		11/11/10 10:41	7782-44-7	
Total Well Depth	**15.58**	feet		1		11/11/10 10:41		
REDOX	**183**	mV		1		11/11/10 10:41		
Turbidity	**7.0**	NTU		1		11/11/10 10:41		
Odor	**NONE**			1		11/11/10 10:41		
Appearance	**CLEAR**			1		11/11/10 10:41		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:06	7440-38-2	
Barium	**44.9**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:06	7440-39-3	
Cadmium	ND	ug/L	1.0	1	11/09/10 10:20	11/10/10 19:06	7440-43-9	
Chromium	**1.1J**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:06	7440-47-3	
Lead	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:06	7439-92-1	
Selenium	ND	ug/L	10.0	1	11/09/10 10:20	11/10/10 19:06	7782-49-2	
Silver	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:06	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	11/04/10 15:55	11/08/10 15:49	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/08/10 13:05	67-64-1	
Acrylonitrile	ND	ug/L	100	1		11/08/10 13:05	107-13-1	
Benzene	ND	ug/L	5.0	1		11/08/10 13:05	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/08/10 13:05	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/10 13:05	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/10 13:05	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/08/10 13:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/08/10 13:05	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/10 13:05	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/10 13:05	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/10 13:05	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/08/10 13:05	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/10 13:05	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/10 13:05	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/08/10 13:05	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/10 13:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/10 13:05	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/08/10 13:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 13:05	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-12 **Lab ID: 9281070009** Collected: 11/01/10 15:45 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 13:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		11/08/10 13:05	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/10 13:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/10 13:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/10 13:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 13:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 13:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/10 13:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 13:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 13:05	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/10 13:05	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		11/08/10 13:05	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/08/10 13:05	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		11/08/10 13:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/08/10 13:05	108-10-1	
Styrene	ND	ug/L	5.0	1		11/08/10 13:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 13:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 13:05	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/10 13:05	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/10 13:05	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/10 13:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/10 13:05	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/10 13:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/08/10 13:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/08/10 13:05	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/08/10 13:05	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/08/10 13:05	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/08/10 13:05	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/08/10 13:05	95-47-6	
4-Bromofluorobenzene (S)	107	%	70-130	1		11/08/10 13:05	460-00-4	
Dibromofluoromethane (S)	96	%	70-130	1		11/08/10 13:05	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		11/08/10 13:05	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		11/08/10 13:05	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-13 **Lab ID: 9281070010** Collected: 11/01/10 16:25 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		11/11/10 10:43		
Collected Date	**11/01/10**			1		11/11/10 10:43		
Collected Time	**16:25**			1		11/11/10 10:43		
Field pH	**5.45**	Std. Units		1		11/11/10 10:43		
Field Temperature	**17.2**	deg C		1		11/11/10 10:43		
Static Water Level	**9.04**	feet		1		11/11/10 10:43		
Field Specific Conductance	**168**	umhos/cm		1		11/11/10 10:43		
Oxygen, Dissolved	**5.2**	mg/L		1		11/11/10 10:43	7782-44-7	
Total Well Depth	**20.0**	feet		1		11/11/10 10:43		
REDOX	**251**	mV		1		11/11/10 10:43		
Turbidity	**200**	NTU		1		11/11/10 10:43		
Odor	**NONE**			1		11/11/10 10:43		
Appearance	**CLOUDY**			1		11/11/10 10:43		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:09	7440-38-2	
Barium	**176**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:09	7440-39-3	
Cadmium	ND	ug/L	1.0	1	11/09/10 10:20	11/10/10 19:09	7440-43-9	
Chromium	**4.0J**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:09	7440-47-3	
Lead	**4.3J**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:09	7439-92-1	
Selenium	ND	ug/L	10.0	1	11/09/10 10:20	11/10/10 19:09	7782-49-2	
Silver	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:09	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	11/04/10 15:55	11/08/10 15:51	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/08/10 13:24	67-64-1	
Acrylonitrile	ND	ug/L	100	1		11/08/10 13:24	107-13-1	
Benzene	ND	ug/L	5.0	1		11/08/10 13:24	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/08/10 13:24	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/10 13:24	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/10 13:24	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/08/10 13:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/08/10 13:24	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/10 13:24	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/10 13:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/10 13:24	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/08/10 13:24	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/10 13:24	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/10 13:24	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/08/10 13:24	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/10 13:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/10 13:24	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/08/10 13:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 13:24	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-13 **Lab ID: 9281070010** Collected: 11/01/10 16:25 Received: 11/02/10 08:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 13:24	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		11/08/10 13:24	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/10 13:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/10 13:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/10 13:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 13:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 13:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/10 13:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 13:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 13:24	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/10 13:24	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		11/08/10 13:24	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/08/10 13:24	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		11/08/10 13:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/08/10 13:24	108-10-1	
Styrene	ND	ug/L	5.0	1		11/08/10 13:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 13:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 13:24	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/10 13:24	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/10 13:24	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/10 13:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/10 13:24	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/10 13:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/08/10 13:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/08/10 13:24	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/08/10 13:24	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/08/10 13:24	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/08/10 13:24	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/08/10 13:24	95-47-6	
4-Bromofluorobenzene (S)	105	%	70-130	1		11/08/10 13:24	460-00-4	
Dibromofluoromethane (S)	100	%	70-130	1		11/08/10 13:24	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		11/08/10 13:24	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		11/08/10 13:24	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-7 **Lab ID: 9281070011** Collected: 11/02/10 10:45 Received: 11/02/10 18:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		11/11/10 10:44		
Collected Date	**11/02/10**			1		11/11/10 10:44		
Collected Time	**10:45**			1		11/11/10 10:44		
Field pH	**5.81**	Std. Units		1		11/11/10 10:44		
Field Temperature	**15.1**	deg C		1		11/11/10 10:44		
Static Water Level	**37.48**	feet		1		11/11/10 10:44		
Field Specific Conductance	**191**	umhos/cm		1		11/11/10 10:44		
Oxygen, Dissolved	**4.0**	mg/L		1		11/11/10 10:44	7782-44-7	
Total Well Depth	**48**	feet		1		11/11/10 10:44		
REDOX	**261**	mV		1		11/11/10 10:44		
Turbidity	**1.5**	NTU		1		11/11/10 10:44		
Odor	**NONE**			1		11/11/10 10:44		
Appearance	**CLEAR**			1		11/11/10 10:44		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:22	7440-38-2	
Barium	**100**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:22	7440-39-3	
Cadmium	ND	ug/L	1.0	1	11/09/10 10:20	11/10/10 19:22	7440-43-9	
Chromium	**0.55J**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:22	7440-47-3	
Lead	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:22	7439-92-1	
Selenium	ND	ug/L	10.0	1	11/09/10 10:20	11/10/10 19:22	7782-49-2	
Silver	**0.23J**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:22	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	11/04/10 15:55	11/10/10 13:11	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/08/10 13:42	67-64-1	
Acrylonitrile	ND	ug/L	100	1		11/08/10 13:42	107-13-1	
Benzene	ND	ug/L	5.0	1		11/08/10 13:42	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/08/10 13:42	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/10 13:42	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/10 13:42	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/08/10 13:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/08/10 13:42	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/10 13:42	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/10 13:42	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/10 13:42	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/08/10 13:42	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/10 13:42	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/10 13:42	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/08/10 13:42	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/10 13:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/10 13:42	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/08/10 13:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 13:42	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-7 **Lab ID: 9281070011** Collected: 11/02/10 10:45 Received: 11/02/10 18:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 13:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		11/08/10 13:42	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/10 13:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/10 13:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/10 13:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 13:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 13:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/10 13:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 13:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 13:42	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/10 13:42	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		11/08/10 13:42	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/08/10 13:42	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		11/08/10 13:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/08/10 13:42	108-10-1	
Styrene	ND	ug/L	5.0	1		11/08/10 13:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 13:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 13:42	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/10 13:42	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/10 13:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/10 13:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/10 13:42	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/10 13:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/08/10 13:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/08/10 13:42	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/08/10 13:42	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/08/10 13:42	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/08/10 13:42	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/08/10 13:42	95-47-6	
4-Bromofluorobenzene (S)	106	%	70-130	1		11/08/10 13:42	460-00-4	
Dibromofluoromethane (S)	98	%	70-130	1		11/08/10 13:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	70-130	1		11/08/10 13:42	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		11/08/10 13:42	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-4R **Lab ID: 9281070012** Collected: 11/02/10 11:55 Received: 11/02/10 18:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		11/11/10 10:56		
Collected Date	**11/02/10**			1		11/11/10 10:56		
Collected Time	**11:55**			1		11/11/10 10:56		
Field pH	**6.16**	Std. Units		1		11/11/10 10:56		
Field Temperature	**16.4**	deg C		1		11/11/10 10:56		
Static Water Level	**8.49**	feet		1		11/11/10 10:56		
Field Specific Conductance	**562**	umhos/cm		1		11/11/10 10:56		
Oxygen, Dissolved	**3.6**	mg/L		1		11/11/10 10:56	7782-44-7	
Total Well Depth	**20**	feet		1		11/11/10 10:56		
REDOX	**260**	mV		1		11/11/10 10:56		
Turbidity	**40**	NTU		1		11/11/10 10:56		
Odor	**NONE**			1		11/11/10 10:56		
Appearance	**HAZY**			1		11/11/10 10:56		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:25	7440-38-2	
Barium	**335**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:25	7440-39-3	
Cadmium	ND	ug/L	1.0	1	11/09/10 10:20	11/10/10 19:25	7440-43-9	
Chromium	**0.68J**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:25	7440-47-3	
Lead	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:25	7439-92-1	
Selenium	ND	ug/L	10.0	1	11/09/10 10:20	11/10/10 19:25	7782-49-2	
Silver	**1.3J**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:25	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	11/04/10 15:55	11/10/10 13:19	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/08/10 14:00	67-64-1	
Acrylonitrile	ND	ug/L	100	1		11/08/10 14:00	107-13-1	
Benzene	ND	ug/L	5.0	1		11/08/10 14:00	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/08/10 14:00	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/10 14:00	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/10 14:00	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/08/10 14:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/08/10 14:00	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/10 14:00	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/10 14:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/10 14:00	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/08/10 14:00	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/10 14:00	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/10 14:00	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/08/10 14:00	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/10 14:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/10 14:00	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/08/10 14:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 14:00	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-4R **Lab ID: 9281070012** Collected: 11/02/10 11:55 Received: 11/02/10 18:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 14:00	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		11/08/10 14:00	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/10 14:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/10 14:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/10 14:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 14:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 14:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/10 14:00	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 14:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 14:00	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/10 14:00	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		11/08/10 14:00	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/08/10 14:00	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		11/08/10 14:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/08/10 14:00	108-10-1	
Styrene	ND	ug/L	5.0	1		11/08/10 14:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 14:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 14:00	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/10 14:00	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/10 14:00	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/10 14:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/10 14:00	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/10 14:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/08/10 14:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/08/10 14:00	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/08/10 14:00	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/08/10 14:00	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/08/10 14:00	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/08/10 14:00	95-47-6	
4-Bromofluorobenzene (S)	101	%	70-130	1		11/08/10 14:00	460-00-4	
Dibromofluoromethane (S)	101	%	70-130	1		11/08/10 14:00	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	70-130	1		11/08/10 14:00	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		11/08/10 14:00	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-5R **Lab ID: 9281070013** Collected: 11/02/10 13:25 Received: 11/02/10 18:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		11/11/10 10:58		
Collected Date	**11/02/10**			1		11/11/10 10:58		
Collected Time	**13:25**			1		11/11/10 10:58		
Field pH	**5.13**	Std. Units		1		11/11/10 10:58		
Field Temperature	**16.2**	deg C		1		11/11/10 10:58		
Static Water Level	**10.50**	feet		1		11/11/10 10:58		
Field Specific Conductance	**204**	umhos/cm		1		11/11/10 10:58		
Oxygen, Dissolved	**8.1**	mg/L		1		11/11/10 10:58	7782-44-7	
Total Well Depth	**30**	feet		1		11/11/10 10:58		
REDOX	**212**	mV		1		11/11/10 10:58		
Turbidity	**3.0**	NTU		1		11/11/10 10:58		
Odor	**NONE**			1		11/11/10 10:58		
Appearance	**CLEAR**			1		11/11/10 10:58		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:28	7440-38-2	
Barium	**53.0**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:28	7440-39-3	
Cadmium	ND	ug/L	1.0	1	11/09/10 10:20	11/10/10 19:28	7440-43-9	
Chromium	**5.8**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:28	7440-47-3	
Lead	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:28	7439-92-1	
Selenium	ND	ug/L	10.0	1	11/09/10 10:20	11/10/10 19:28	7782-49-2	
Silver	**0.16J**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:28	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	11/04/10 15:55	11/10/10 13:27	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/08/10 14:19	67-64-1	
Acrylonitrile	ND	ug/L	100	1		11/08/10 14:19	107-13-1	
Benzene	ND	ug/L	5.0	1		11/08/10 14:19	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/08/10 14:19	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/10 14:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/10 14:19	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/08/10 14:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/08/10 14:19	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/10 14:19	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/10 14:19	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/10 14:19	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/08/10 14:19	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/10 14:19	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/10 14:19	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/08/10 14:19	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/10 14:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/10 14:19	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/08/10 14:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 14:19	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-5R **Lab ID: 9281070013** Collected: 11/02/10 13:25 Received: 11/02/10 18:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 14:19	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		11/08/10 14:19	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/10 14:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/10 14:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/10 14:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 14:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 14:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/10 14:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 14:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 14:19	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/10 14:19	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		11/08/10 14:19	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/08/10 14:19	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		11/08/10 14:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/08/10 14:19	108-10-1	
Styrene	ND	ug/L	5.0	1		11/08/10 14:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 14:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 14:19	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/10 14:19	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/10 14:19	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/10 14:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/10 14:19	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/10 14:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/08/10 14:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/08/10 14:19	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/08/10 14:19	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/08/10 14:19	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/08/10 14:19	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/08/10 14:19	95-47-6	
4-Bromofluorobenzene (S)	102	%	70-130	1		11/08/10 14:19	460-00-4	
Dibromofluoromethane (S)	95	%	70-130	1		11/08/10 14:19	1868-53-7	
1,2-Dichloroethane-d4 (S)	91	%	70-130	1		11/08/10 14:19	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		11/08/10 14:19	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-1R **Lab ID: 9281070014** Collected: 11/02/10 14:05 Received: 11/02/10 18:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		11/11/10 10:59		
Collected Date	**11/02/10**			1		11/11/10 10:59		
Collected Time	**14:05**			1		11/11/10 10:59		
Field pH	**5.13**	Std. Units		1		11/11/10 10:59		
Field Temperature	**16.8**	deg C		1		11/11/10 10:59		
Static Water Level	**35.62**	feet		1		11/11/10 10:59		
Field Specific Conductance	**109**	umhos/cm		1		11/11/10 10:59		
Oxygen, Dissolved	**6.8**	mg/L		1		11/11/10 10:59	7782-44-7	
Total Well Depth	**60**	feet		1		11/11/10 10:59		
REDOX	**282**	mV		1		11/11/10 10:59		
Turbidity	**3.0**	NTU		1		11/11/10 10:59		
Odor	**NONE**			1		11/11/10 10:59		
Appearance	**CLEAR**			1		11/11/10 10:59		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:31	7440-38-2	
Barium	**85.4**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:31	7440-39-3	
Cadmium	ND	ug/L	1.0	1	11/09/10 10:20	11/10/10 19:31	7440-43-9	
Chromium	**0.96J**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:31	7440-47-3	
Lead	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:31	7439-92-1	
Selenium	ND	ug/L	10.0	1	11/09/10 10:20	11/10/10 19:31	7782-49-2	
Silver	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:31	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	11/04/10 15:55	11/10/10 13:30	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/08/10 14:37	67-64-1	
Acrylonitrile	ND	ug/L	100	1		11/08/10 14:37	107-13-1	
Benzene	ND	ug/L	5.0	1		11/08/10 14:37	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/08/10 14:37	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/10 14:37	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/10 14:37	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/08/10 14:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/08/10 14:37	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/10 14:37	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/10 14:37	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/10 14:37	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/08/10 14:37	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/10 14:37	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/10 14:37	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/08/10 14:37	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/10 14:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/10 14:37	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/08/10 14:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 14:37	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-1R **Lab ID: 9281070014** Collected: 11/02/10 14:05 Received: 11/02/10 18:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 14:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		11/08/10 14:37	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/10 14:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/10 14:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/10 14:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 14:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 14:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/10 14:37	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 14:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 14:37	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/10 14:37	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		11/08/10 14:37	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/08/10 14:37	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		11/08/10 14:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/08/10 14:37	108-10-1	
Styrene	ND	ug/L	5.0	1		11/08/10 14:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 14:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 14:37	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/10 14:37	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/10 14:37	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/10 14:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/10 14:37	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/10 14:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/08/10 14:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/08/10 14:37	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/08/10 14:37	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/08/10 14:37	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/08/10 14:37	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/08/10 14:37	95-47-6	
4-Bromofluorobenzene (S)	105	%	70-130	1		11/08/10 14:37	460-00-4	
Dibromofluoromethane (S)	96	%	70-130	1		11/08/10 14:37	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		11/08/10 14:37	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		11/08/10 14:37	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-2R **Lab ID: 9281070015** Collected: 11/02/10 14:45 Received: 11/02/10 18:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		11/11/10 11:00		
Collected Date	**11/02/10**			1		11/11/10 11:00		
Collected Time	**14:45**			1		11/11/10 11:00		
Field pH	**5.05**	Std. Units		1		11/11/10 11:00		
Field Temperature	**16.3**	deg C		1		11/11/10 11:00		
Static Water Level	**8.39**	feet		1		11/11/10 11:00		
Field Specific Conductance	**5.43**	umhos/cm		1		11/11/10 11:00		
Oxygen, Dissolved	**4.3**	mg/L		1		11/11/10 11:00	7782-44-7	
Total Well Depth	**21**	feet		1		11/11/10 11:00		
REDOX	**99**	mV		1		11/11/10 11:00		
Turbidity	**6.0**	NTU		1		11/11/10 11:00		
Odor	**NONE**			1		11/11/10 11:00		
Appearance	**CLEAR**			1		11/11/10 11:00		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:35	7440-38-2	
Barium	**223**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:35	7440-39-3	
Cadmium	ND	ug/L	1.0	1	11/09/10 10:20	11/10/10 19:35	7440-43-9	
Chromium	**0.49J**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:35	7440-47-3	
Lead	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:35	7439-92-1	
Selenium	ND	ug/L	10.0	1	11/09/10 10:20	11/10/10 19:35	7782-49-2	
Silver	**0.85J**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:35	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	11/04/10 15:55	11/10/10 13:37	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/08/10 14:55	67-64-1	
Acrylonitrile	ND	ug/L	100	1		11/08/10 14:55	107-13-1	
Benzene	ND	ug/L	5.0	1		11/08/10 14:55	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/08/10 14:55	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/10 14:55	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/10 14:55	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/08/10 14:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/08/10 14:55	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/10 14:55	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/10 14:55	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/10 14:55	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/08/10 14:55	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/10 14:55	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/10 14:55	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/08/10 14:55	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/10 14:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/10 14:55	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/08/10 14:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 14:55	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-2R **Lab ID: 9281070015** Collected: 11/02/10 14:45 Received: 11/02/10 18:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 14:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		11/08/10 14:55	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/10 14:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/10 14:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/10 14:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 14:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 14:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/10 14:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 14:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 14:55	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/10 14:55	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		11/08/10 14:55	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/08/10 14:55	74-88-4	
Methylene Chloride	**4.2J**	ug/L	5.0	1		11/08/10 14:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/08/10 14:55	108-10-1	
Styrene	ND	ug/L	5.0	1		11/08/10 14:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 14:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 14:55	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/10 14:55	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/10 14:55	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/10 14:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/10 14:55	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/10 14:55	79-01-6	
Trichlorofluoromethane	**36.1**	ug/L	10.0	1		11/08/10 14:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/08/10 14:55	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/08/10 14:55	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/08/10 14:55	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/08/10 14:55	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/08/10 14:55	95-47-6	
4-Bromofluorobenzene (S)	104	%	70-130	1		11/08/10 14:55	460-00-4	
Dibromofluoromethane (S)	98	%	70-130	1		11/08/10 14:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		11/08/10 14:55	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		11/08/10 14:55	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: SW-1 **Lab ID: 9281070016** Collected: 11/02/10 15:15 Received: 11/02/10 18:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		11/11/10 11:02		
Collected Date	**11/02/10**			1		11/11/10 11:02		
Collected Time	**15:15**			1		11/11/10 11:02		
Field pH	**6.37**	Std. Units		1		11/11/10 11:02		
Field Temperature	**14.0**	deg C		1		11/11/10 11:02		
Field Specific Conductance	**307**	umhos/cm		1		11/11/10 11:02		
Oxygen, Dissolved	**6.7**	mg/L		1		11/11/10 11:02	7782-44-7	
REDOX	**9**	mV		1		11/11/10 11:02		
Turbidity	**7.0**	NTU		1		11/11/10 11:02		
Odor	**LITE SULFUROUS**			1		11/11/10 11:02		
Appearance	**CLEAR**			1		11/11/10 11:02		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:38	7440-38-2	
Barium	**61.9**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:38	7440-39-3	
Cadmium	ND	ug/L	1.0	1	11/09/10 10:20	11/10/10 19:38	7440-43-9	
Chromium	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:38	7440-47-3	
Lead	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:38	7439-92-1	
Selenium	ND	ug/L	10.0	1	11/09/10 10:20	11/10/10 19:38	7782-49-2	
Silver	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:38	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	11/04/10 15:55	11/10/10 13:40	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/08/10 15:14	67-64-1	
Acrylonitrile	ND	ug/L	100	1		11/08/10 15:14	107-13-1	
Benzene	ND	ug/L	5.0	1		11/08/10 15:14	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/08/10 15:14	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/10 15:14	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/10 15:14	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/08/10 15:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/08/10 15:14	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/10 15:14	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/10 15:14	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/10 15:14	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/08/10 15:14	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/10 15:14	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/10 15:14	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/08/10 15:14	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/10 15:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/10 15:14	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/08/10 15:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 15:14	95-50-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 15:14	106-46-7	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: SW-1 **Lab ID: 9281070016** Collected: 11/02/10 15:15 Received: 11/02/10 18:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		11/08/10 15:14	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/10 15:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/10 15:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/10 15:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 15:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 15:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/10 15:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 15:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 15:14	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/10 15:14	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		11/08/10 15:14	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/08/10 15:14	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		11/08/10 15:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/08/10 15:14	108-10-1	
Styrene	ND	ug/L	5.0	1		11/08/10 15:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 15:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 15:14	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/10 15:14	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/10 15:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/10 15:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/10 15:14	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/10 15:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/08/10 15:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/08/10 15:14	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/08/10 15:14	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/08/10 15:14	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/08/10 15:14	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/08/10 15:14	95-47-6	
4-Bromofluorobenzene (S)	103	%	70-130	1		11/08/10 15:14	460-00-4	
Dibromofluoromethane (S)	90	%	70-130	1		11/08/10 15:14	1868-53-7	
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		11/08/10 15:14	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		11/08/10 15:14	2037-26-5	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-3R **Lab ID: 9281070017** Collected: 11/02/10 15:45 Received: 11/02/10 18:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:							
Collected By	**JJQ**			1		11/11/10 11:03		
Collected Date	**11/02/10**			1		11/11/10 11:03		
Collected Time	**15:45**			1		11/11/10 11:03		
Field pH	**5.22**	Std. Units		1		11/11/10 11:03		
Field Temperature	**15.9**	deg C		1		11/11/10 11:03		
Static Water Level	**19.97**	feet		1		11/11/10 11:03		
Field Specific Conductance	**369**	umhos/cm		1		11/11/10 11:03		
Oxygen, Dissolved	**4.8**	mg/L		1		11/11/10 11:03	7782-44-7	
Total Well Depth	**27**	feet		1		11/11/10 11:03		
REDOX	**-14**	mV		1		11/11/10 11:03		
Turbidity	**99**	NTU		1		11/11/10 11:03		
Odor	**NONE**			1		11/11/10 11:03		
Appearance	**CLOUDY**			1		11/11/10 11:03		
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:41	7440-38-2	
Barium	**302**	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:41	7440-39-3	
Cadmium	ND	ug/L	1.0	1	11/09/10 10:20	11/10/10 19:41	7440-43-9	
Chromium	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:41	7440-47-3	
Lead	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:41	7439-92-1	
Selenium	ND	ug/L	10.0	1	11/09/10 10:20	11/10/10 19:41	7782-49-2	
Silver	ND	ug/L	5.0	1	11/09/10 10:20	11/10/10 19:41	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	0.20	1	11/04/10 15:55	11/10/10 13:43	7439-97-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		11/08/10 15:32	67-64-1	
Acrylonitrile	ND	ug/L	100	1		11/08/10 15:32	107-13-1	
Benzene	ND	ug/L	5.0	1		11/08/10 15:32	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		11/08/10 15:32	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		11/08/10 15:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		11/08/10 15:32	75-25-2	
Bromomethane	ND	ug/L	10.0	1		11/08/10 15:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		11/08/10 15:32	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		11/08/10 15:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		11/08/10 15:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		11/08/10 15:32	108-90-7	
Chloroethane	ND	ug/L	10.0	1		11/08/10 15:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		11/08/10 15:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		11/08/10 15:32	74-87-3	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		11/08/10 15:32	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		11/08/10 15:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		11/08/10 15:32	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		11/08/10 15:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 15:32	95-50-1	

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ANALYTICAL RESULTS

Project: OSR
Pace Project No.: 9281070

Sample: MW-3R **Lab ID: 9281070017** Collected: 11/02/10 15:45 Received: 11/02/10 18:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,4-Dichlorobenzene	ND	ug/L	5.0	1		11/08/10 15:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		11/08/10 15:32	110-57-6	
1,1-Dichloroethane	ND	ug/L	5.0	1		11/08/10 15:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		11/08/10 15:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		11/08/10 15:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 15:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		11/08/10 15:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		11/08/10 15:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 15:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		11/08/10 15:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		11/08/10 15:32	100-41-4	
2-Hexanone	ND	ug/L	10.0	1		11/08/10 15:32	591-78-6	
Iodomethane	ND	ug/L	10.0	1		11/08/10 15:32	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		11/08/10 15:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		11/08/10 15:32	108-10-1	
Styrene	ND	ug/L	5.0	1		11/08/10 15:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 15:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		11/08/10 15:32	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		11/08/10 15:32	127-18-4	
Toluene	ND	ug/L	5.0	1		11/08/10 15:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		11/08/10 15:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		11/08/10 15:32	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		11/08/10 15:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	1		11/08/10 15:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		11/08/10 15:32	96-18-4	
Vinyl acetate	ND	ug/L	10.0	1		11/08/10 15:32	108-05-4	
Vinyl chloride	ND	ug/L	5.0	1		11/08/10 15:32	75-01-4	
m&p-Xylene	ND	ug/L	10.0	1		11/08/10 15:32	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		11/08/10 15:32	95-47-6	
4-Bromofluorobenzene (S)	104	%	70-130	1		11/08/10 15:32	460-00-4	
Dibromofluoromethane (S)	95	%	70-130	1		11/08/10 15:32	1868-53-7	
1,2-Dichloroethane-d4 (S)	91	%	70-130	1		11/08/10 15:32	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		11/08/10 15:32	2037-26-5	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9281070

QC Batch: MPRP/7393 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 9281070003, 9281070004, 9281070005, 9281070006, 9281070007, 9281070008, 9281070009, 9281070010, 9281070011, 9281070012, 9281070013, 9281070014, 9281070015, 9281070016, 9281070017

METHOD BLANK: 524737 Matrix: Water
Associated Lab Samples: 9281070003, 9281070004, 9281070005, 9281070006, 9281070007, 9281070008, 9281070009, 9281070010, 9281070011, 9281070012, 9281070013, 9281070014, 9281070015, 9281070016, 9281070017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	5.0	11/10/10 18:18	
Barium	ug/L	ND	5.0	11/10/10 18:18	
Cadmium	ug/L	ND	1.0	11/10/10 18:18	
Chromium	ug/L	ND	5.0	11/10/10 18:18	
Lead	ug/L	ND	5.0	11/10/10 18:18	
Selenium	ug/L	ND	10.0	11/10/10 18:18	
Silver	ug/L	ND	5.0	11/10/10 18:18	

LABORATORY CONTROL SAMPLE: 524738

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	493	99	80-120	
Barium	ug/L	500	485	97	80-120	
Cadmium	ug/L	500	501	100	80-120	
Chromium	ug/L	500	505	101	80-120	
Lead	ug/L	500	494	99	80-120	
Selenium	ug/L	500	490	98	80-120	
Silver	ug/L	250	226	90	80-120	

MATRIX SPIKE SAMPLE: 524739

Parameter	Units	9280914004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	ND	500	495	99	75-125	
Barium	ug/L	ND	500	492	95	75-125	
Cadmium	ug/L	ND	500	493	99	75-125	
Chromium	ug/L	ND	500	501	100	75-125	
Lead	ug/L	ND	500	482	96	75-125	
Selenium	ug/L	ND	500	486	97	75-125	
Silver	ug/L	ND	250	223	89	75-125	

SAMPLE DUPLICATE: 524740

Parameter	Units	9280914005 Result	Dup Result	RPD	Qualifiers
Arsenic	ug/L	ND	ND		
Barium	ug/L	ND	13.6	1	
Cadmium	ug/L	ND	ND		
Chromium	ug/L	ND	ND		

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9281070

SAMPLE DUPLICATE: 524740

Parameter	Units	9280914005 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	ND	ND		
Selenium	ug/L	ND	ND		
Silver	ug/L	ND	ND		

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9281070

QC Batch: MERP/3112 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9281070003, 9281070004, 9281070005, 9281070006, 9281070007, 9281070008, 9281070009, 9281070010

METHOD BLANK: 522684 Matrix: Water
Associated Lab Samples: 9281070003, 9281070004, 9281070005, 9281070006, 9281070007, 9281070008, 9281070009, 9281070010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	11/08/10 14:35	

LABORATORY CONTROL SAMPLE: 522685

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.7	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 522686 522687

Parameter	Units	9280910002 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	2.2	2.2	88	89	75-125	2	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 522688 522689

Parameter	Units	9280910003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	ND	2.5	2.5	1.9	1.8	73	70	75-125	3	M0

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9281070

QC Batch: MERP/3113 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 9281070011, 9281070012, 9281070013, 9281070014, 9281070015, 9281070016, 9281070017

METHOD BLANK: 522690 Matrix: Water
Associated Lab Samples: 9281070011, 9281070012, 9281070013, 9281070014, 9281070015, 9281070016, 9281070017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	11/10/10 13:06	

LABORATORY CONTROL SAMPLE: 522691

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.4	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 522692 522693

Parameter	Units	9281070011 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	2.3	93	91	75-125	3	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 522694 522695

Parameter	Units	9281070012 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	1.7	1.4	66	55	75-125	19	M0

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9281070

QC Batch: MSV/12955 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 9281070002, 9281070003, 9281070004, 9281070005, 9281070006, 9281070007, 9281070008, 9281070009, 9281070010, 9281070011, 9281070012, 9281070013, 9281070014, 9281070015, 9281070016, 9281070017

METHOD BLANK: 524422 Matrix: Water
Associated Lab Samples: 9281070002, 9281070003, 9281070004, 9281070005, 9281070006, 9281070007, 9281070008, 9281070009, 9281070010, 9281070011, 9281070012, 9281070013, 9281070014, 9281070015, 9281070016, 9281070017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/08/10 10:20	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/08/10 10:20	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/08/10 10:20	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/08/10 10:20	
1,1-Dichloroethane	ug/L	ND	5.0	11/08/10 10:20	
1,1-Dichloroethene	ug/L	ND	5.0	11/08/10 10:20	
1,2,3-Trichloropropane	ug/L	ND	5.0	11/08/10 10:20	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	11/08/10 10:20	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/08/10 10:20	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/08/10 10:20	
1,2-Dichloroethane	ug/L	ND	5.0	11/08/10 10:20	
1,2-Dichloropropane	ug/L	ND	5.0	11/08/10 10:20	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/08/10 10:20	
2-Butanone (MEK)	ug/L	ND	10.0	11/08/10 10:20	
2-Hexanone	ug/L	ND	10.0	11/08/10 10:20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	11/08/10 10:20	
Acetone	ug/L	ND	25.0	11/08/10 10:20	
Acrylonitrile	ug/L	ND	100	11/08/10 10:20	
Benzene	ug/L	ND	5.0	11/08/10 10:20	
Bromochloromethane	ug/L	ND	5.0	11/08/10 10:20	
Bromodichloromethane	ug/L	ND	5.0	11/08/10 10:20	
Bromoform	ug/L	ND	5.0	11/08/10 10:20	
Bromomethane	ug/L	ND	10.0	11/08/10 10:20	
Carbon disulfide	ug/L	ND	10.0	11/08/10 10:20	
Carbon tetrachloride	ug/L	ND	5.0	11/08/10 10:20	
Chlorobenzene	ug/L	ND	5.0	11/08/10 10:20	
Chloroethane	ug/L	ND	10.0	11/08/10 10:20	
Chloroform	ug/L	ND	5.0	11/08/10 10:20	
Chloromethane	ug/L	ND	5.0	11/08/10 10:20	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/08/10 10:20	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/08/10 10:20	
Dibromochloromethane	ug/L	ND	5.0	11/08/10 10:20	
Dibromomethane	ug/L	ND	5.0	11/08/10 10:20	
Ethylbenzene	ug/L	ND	5.0	11/08/10 10:20	
Iodomethane	ug/L	ND	10.0	11/08/10 10:20	
m&p-Xylene	ug/L	ND	10.0	11/08/10 10:20	
Methylene Chloride	ug/L	ND	5.0	11/08/10 10:20	
o-Xylene	ug/L	ND	5.0	11/08/10 10:20	
Styrene	ug/L	ND	5.0	11/08/10 10:20	
Tetrachloroethene	ug/L	ND	5.0	11/08/10 10:20	
Toluene	ug/L	ND	5.0	11/08/10 10:20	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9281070

METHOD BLANK: 524422 Matrix: Water

Associated Lab Samples: 9281070002, 9281070003, 9281070004, 9281070005, 9281070006, 9281070007, 9281070008, 9281070009, 9281070010, 9281070011, 9281070012, 9281070013, 9281070014, 9281070015, 9281070016, 9281070017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/08/10 10:20	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/08/10 10:20	
trans-1,4-Dichloro-2-butene	ug/L	ND	5.0	11/08/10 10:20	
Trichloroethene	ug/L	ND	5.0	11/08/10 10:20	
Trichlorofluoromethane	ug/L	ND	10.0	11/08/10 10:20	
Vinyl acetate	ug/L	ND	10.0	11/08/10 10:20	
Vinyl chloride	ug/L	ND	5.0	11/08/10 10:20	
1,2-Dichloroethane-d4 (S)	%	92	70-130	11/08/10 10:20	
4-Bromofluorobenzene (S)	%	105	70-130	11/08/10 10:20	
Dibromofluoromethane (S)	%	97	70-130	11/08/10 10:20	
Toluene-d8 (S)	%	102	70-130	11/08/10 10:20	

LABORATORY CONTROL SAMPLE: 524423

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.1	98	70-130	
1,1,1-Trichloroethane	ug/L	50	49.3	99	70-137	
1,1,2,2-Tetrachloroethane	ug/L	50	46.3	93	70-130	
1,1,2-Trichloroethane	ug/L	50	47.9	96	70-130	
1,1-Dichloroethane	ug/L	50	60.5	121	70-137	
1,1-Dichloroethene	ug/L	50	56.1	112	70-138	
1,2,3-Trichloropropane	ug/L	50	46.0	92	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.9	100	68-134	
1,2-Dibromoethane (EDB)	ug/L	50	46.4	93	70-130	
1,2-Dichlorobenzene	ug/L	50	47.3	95	70-130	
1,2-Dichloroethane	ug/L	50	47.2	94	70-133	
1,2-Dichloropropane	ug/L	50	46.0	92	70-130	
1,4-Dichlorobenzene	ug/L	50	46.7	93	70-130	
2-Butanone (MEK)	ug/L	100	92.4	92	63-150	
2-Hexanone	ug/L	100	90.5	91	70-137	
4-Methyl-2-pentanone (MIBK)	ug/L	100	92.0	92	70-134	
Acetone	ug/L	100	114	114	68-160	
Acrylonitrile	ug/L	250	297	119	70-130	
Benzene	ug/L	50	46.9	94	70-130	
Bromochloromethane	ug/L	50	46.6	93	70-135	
Bromodichloromethane	ug/L	50	47.8	96	70-130	
Bromoform	ug/L	50	47.5	95	70-130	
Bromomethane	ug/L	50	48.1	96	63-130	
Carbon disulfide	ug/L	50	60.5	121	70-130	
Carbon tetrachloride	ug/L	50	51.5	103	70-146	
Chlorobenzene	ug/L	50	49.1	98	70-130	
Chloroethane	ug/L	50	51.1	102	60-151	
Chloroform	ug/L	50	48.5	97	70-130	
Chloromethane	ug/L	50	49.0	98	65-133	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9281070

LABORATORY CONTROL SAMPLE: 524423

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	48.0	96	70-134	
cis-1,3-Dichloropropene	ug/L	50	45.2	90	70-130	
Dibromochloromethane	ug/L	50	47.1	94	70-130	
Dibromomethane	ug/L	50	49.4	99	70-130	
Ethylbenzene	ug/L	50	48.5	97	70-130	
Iodomethane	ug/L	100	98.4	98	70-130	
m&p-Xylene	ug/L	100	95.2	95	70-130	
Methylene Chloride	ug/L	50	58.3	117	70-130	
o-Xylene	ug/L	50	48.7	97	70-130	
Styrene	ug/L	50	48.7	97	70-130	
Tetrachloroethene	ug/L	50	49.6	99	70-130	
Toluene	ug/L	50	49.7	99	70-130	
trans-1,2-Dichloroethene	ug/L	50	55.1	110	70-130	
trans-1,3-Dichloropropene	ug/L	50	45.6	91	70-130	
trans-1,4-Dichloro-2-butene	ug/L	50	40.5	81	70-130	
Trichloroethene	ug/L	50	50.4	101	70-130	
Trichlorofluoromethane	ug/L	50	53.7	107	70-130	
Vinyl acetate	ug/L	100	89.6	90	67-148	
Vinyl chloride	ug/L	50	56.4	113	67-133	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 524424 524425

Parameter	Units	9281070017 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	49.2	48.3	98	97	65-160	2	
Benzene	ug/L	ND	50	50	43.5	43.7	87	87	58-162	0	
Chlorobenzene	ug/L	ND	50	50	42.9	43.3	86	87	70-138	1	
Toluene	ug/L	ND	50	50	43.9	43.5	88	87	65-152	1	
Trichloroethene	ug/L	ND	50	50	45.0	45.7	90	91	70-142	1	
1,2-Dichloroethane-d4 (S)	%						97	96	70-130		
4-Bromofluorobenzene (S)	%						107	107	70-130		
Dibromofluoromethane (S)	%						96	96	70-130		
Toluene-d8 (S)	%						100	101	70-130		

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9281070

QC Batch: MSV/13032
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 9281070001

METHOD BLANK: 527768
Matrix: Water
Associated Lab Samples: 9281070001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	11/14/10 13:56	
1,1,1-Trichloroethane	ug/L	ND	5.0	11/14/10 13:56	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	11/14/10 13:56	
1,1,2-Trichloroethane	ug/L	ND	5.0	11/14/10 13:56	
1,1-Dichloroethane	ug/L	ND	5.0	11/14/10 13:56	
1,1-Dichloroethene	ug/L	ND	5.0	11/14/10 13:56	
1,2,3-Trichloropropane	ug/L	ND	5.0	11/14/10 13:56	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	11/14/10 13:56	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	11/14/10 13:56	
1,2-Dichlorobenzene	ug/L	ND	5.0	11/14/10 13:56	
1,2-Dichloroethane	ug/L	ND	5.0	11/14/10 13:56	
1,2-Dichloropropane	ug/L	ND	5.0	11/14/10 13:56	
1,4-Dichlorobenzene	ug/L	ND	5.0	11/14/10 13:56	
2-Butanone (MEK)	ug/L	ND	10.0	11/14/10 13:56	
2-Hexanone	ug/L	ND	10.0	11/14/10 13:56	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	11/14/10 13:56	
Acetone	ug/L	ND	25.0	11/14/10 13:56	
Acrylonitrile	ug/L	ND	100	11/14/10 13:56	
Benzene	ug/L	ND	5.0	11/14/10 13:56	
Bromochloromethane	ug/L	ND	5.0	11/14/10 13:56	
Bromodichloromethane	ug/L	ND	5.0	11/14/10 13:56	
Bromoform	ug/L	ND	5.0	11/14/10 13:56	
Bromomethane	ug/L	ND	10.0	11/14/10 13:56	
Carbon disulfide	ug/L	ND	10.0	11/14/10 13:56	
Carbon tetrachloride	ug/L	ND	5.0	11/14/10 13:56	
Chlorobenzene	ug/L	ND	5.0	11/14/10 13:56	
Chloroethane	ug/L	ND	10.0	11/14/10 13:56	
Chloroform	ug/L	ND	5.0	11/14/10 13:56	
Chloromethane	ug/L	ND	5.0	11/14/10 13:56	
cis-1,2-Dichloroethene	ug/L	ND	5.0	11/14/10 13:56	
cis-1,3-Dichloropropene	ug/L	ND	5.0	11/14/10 13:56	
Dibromochloromethane	ug/L	ND	5.0	11/14/10 13:56	
Dibromomethane	ug/L	ND	5.0	11/14/10 13:56	
Ethylbenzene	ug/L	ND	5.0	11/14/10 13:56	
Iodomethane	ug/L	ND	10.0	11/14/10 13:56	
m&p-Xylene	ug/L	ND	10.0	11/14/10 13:56	
Methylene Chloride	ug/L	ND	5.0	11/14/10 13:56	
o-Xylene	ug/L	ND	5.0	11/14/10 13:56	
Styrene	ug/L	ND	5.0	11/14/10 13:56	
Tetrachloroethene	ug/L	ND	5.0	11/14/10 13:56	
Toluene	ug/L	ND	5.0	11/14/10 13:56	
trans-1,2-Dichloroethene	ug/L	ND	5.0	11/14/10 13:56	
trans-1,3-Dichloropropene	ug/L	ND	5.0	11/14/10 13:56	

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QUALITY CONTROL DATA

Project: OSR
Pace Project No.: 9281070

METHOD BLANK: 527768 Matrix: Water

Associated Lab Samples: 9281070001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	ND	5.0	11/14/10 13:56	
Trichloroethene	ug/L	ND	5.0	11/14/10 13:56	
Trichlorofluoromethane	ug/L	ND	10.0	11/14/10 13:56	
Vinyl acetate	ug/L	ND	10.0	11/14/10 13:56	
Vinyl chloride	ug/L	ND	5.0	11/14/10 13:56	
1,2-Dichloroethane-d4 (S)	%	113	70-130	11/14/10 13:56	
4-Bromofluorobenzene (S)	%	101	70-130	11/14/10 13:56	
Dibromofluoromethane (S)	%	105	70-130	11/14/10 13:56	
Toluene-d8 (S)	%	99	70-130	11/14/10 13:56	

LABORATORY CONTROL SAMPLE: 527769

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.3	107	70-130	
1,1,1-Trichloroethane	ug/L	50	52.9	106	70-137	
1,1,2,2-Tetrachloroethane	ug/L	50	51.2	102	70-130	
1,1,2-Trichloroethane	ug/L	50	51.3	103	70-130	
1,1-Dichloroethane	ug/L	50	54.2	108	70-137	
1,1-Dichloroethene	ug/L	50	51.8	104	70-138	
1,2,3-Trichloropropane	ug/L	50	52.0	104	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	56.1	112	68-134	
1,2-Dibromoethane (EDB)	ug/L	50	50.7	101	70-130	
1,2-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,2-Dichloroethane	ug/L	50	56.0	112	70-133	
1,2-Dichloropropane	ug/L	50	53.7	107	70-130	
1,4-Dichlorobenzene	ug/L	50	49.4	99	70-130	
2-Butanone (MEK)	ug/L	100	105	105	63-150	
2-Hexanone	ug/L	100	99.3	99	70-137	
4-Methyl-2-pentanone (MIBK)	ug/L	100	96.5	97	70-134	
Acetone	ug/L	100	102	102	68-160	
Acrylonitrile	ug/L	250	267	107	70-130	
Benzene	ug/L	50	52.0	104	70-130	
Bromochloromethane	ug/L	50	50.7	101	70-135	
Bromodichloromethane	ug/L	50	52.7	105	70-130	
Bromoform	ug/L	50	52.0	104	70-130	
Bromomethane	ug/L	50	49.8	100	63-130	
Carbon disulfide	ug/L	50	52.2	104	70-130	
Carbon tetrachloride	ug/L	50	56.7	113	70-146	
Chlorobenzene	ug/L	50	52.1	104	70-130	
Chloroethane	ug/L	50	47.7	95	60-151	
Chloroform	ug/L	50	55.7	111	70-130	
Chloromethane	ug/L	50	46.2	92	65-133	
cis-1,2-Dichloroethene	ug/L	50	52.2	104	70-134	
cis-1,3-Dichloropropene	ug/L	50	54.8	110	70-130	
Dibromochloromethane	ug/L	50	47.7	95	70-130	

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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.: 9281070

LABORATORY CONTROL SAMPLE: 527769

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromomethane	ug/L	50	51.5	103	70-130	
Ethylbenzene	ug/L	50	52.1	104	70-130	
Iodomethane	ug/L	100	109	109	70-130	
m&p-Xylene	ug/L	100	107	107	70-130	
Methylene Chloride	ug/L	50	49.5	99	70-130	
o-Xylene	ug/L	50	55.1	110	70-130	
Styrene	ug/L	50	51.1	102	70-130	
Tetrachloroethene	ug/L	50	52.2	104	70-130	
Toluene	ug/L	50	51.2	102	70-130	
trans-1,2-Dichloroethene	ug/L	50	50.9	102	70-130	
trans-1,3-Dichloropropene	ug/L	50	49.9	100	70-130	
trans-1,4-Dichloro-2-butene	ug/L	50	49.1	98	70-130	
Trichloroethene	ug/L	50	52.5	105	70-130	
Trichlorofluoromethane	ug/L	50	49.6	99	70-130	
Vinyl acetate	ug/L	100	119	119	67-148	
Vinyl chloride	ug/L	50	52.4	105	67-133	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			105	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 527770 527771

Parameter	Units	9281853005 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	55.9	53.0	112	106	65-160	5	
Benzene	ug/L	ND	50	50	55.5	54.0	111	108	58-162	3	
Chlorobenzene	ug/L	ND	50	50	52.6	51.1	105	102	70-138	3	
Toluene	ug/L	ND	50	50	52.9	52.0	106	104	65-152	2	
Trichloroethene	ug/L	ND	50	50	53.9	52.4	108	105	70-142	3	
1,2-Dichloroethane-d4 (S)	%						119	118	70-130		
4-Bromofluorobenzene (S)	%						97	102	70-130		
Dibromofluoromethane (S)	%						106	107	70-130		
Toluene-d8 (S)	%						101	99	70-130		

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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

QUALIFIERS

Project: OSR
Pace Project No.: 9281070

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.

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

M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory 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

1436540

Section A
Required Client Information:

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

Section B
Required Project Information:

Report To: Mr. 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 #: 25884

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

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	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): App IV VOC	RCRA 8 metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Trip Blank	WT	—	—	—	11/1/10	0800	—	2				2					X			9281070
2	Equip-Blank	WT	—	—	—	11/1/10	1000	—	3				3					X			9281070001
3	MW-8	WT	—	—	—	11/1/10	1035	—	4			1	3					X	X		002
4	MW-9	WT	—	—	—	11/1/10	1130	—	4			1	3					X	X		003
5	MW-14	WT	—	—	—	11/1/10	1215	—	4			1	3					X	X		004
6	SW-2	WT	—	—	—	11/1/10	1235	—	4			1	3					X	X		005
7	MW-10	WT	—	—	—	11/1/10	1400	—	4			1	3					X	X		006
8	MW-11	WT	—	—	—	11/1/10	1510	—	4			1	3					X	X		007
9	MW-12	WT	—	—	—	11/1/10	1545	—	4			1	3					X	X		008
10	MW-13	WT	—	—	—	11/1/10	1625	—	4			1	3					X	X		009
11																					010
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	J Quattrini / PACE	11/1/10	18:17	Lint / PACE	11/2/10	8:00	2.4	Yes	No	Yes

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: J. Quattrini
SIGNATURE of SAMPLER: J Quattrini
DATE Signed (MM/DD/YY): 11/01/10

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 # 9281070

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden

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

Optional
Proj. Due Date:
Proj. Name:

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

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

Thermometer Used: IR Gun : T809 **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract _____0_____C

Corrected Cooler Temp.: 2.4 C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: [illegible] 11/2/10

		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. [illegible] 11/2/10
Trip Blank Custody Seals Present	☑Yes ☐No ☑N/A	[illegible] 11/2/10
Pace Trip Blank Lot # (if purchased):_____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

CURF Review: [illegible] **Date:** 11/2/10 **SRF Review:** EW **Date:** ~~10~~ 11/2/10 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

1436540

Section A
Required Client Information:

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

Section B
Required Project Information:

Report To: Mr. 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

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

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	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) ADPE VOC	RCRA 8 metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 9281070
1	Trip Blank	WT	—	—	—	11/1/10	0800	—	2				2					X			9281070001
2	Equip-Blank	WT	—	—	—	11/1/10	1000	—	3				3					X			002
3	MW-8	WT	—	—	—	11/1/10	1035	—	4			1	3					X	X		003
4	MW-9	WT	—	—	—	11/1/10	1130	—	4			1	3					X	X		004
5	MW-14	WT	—	—	—	11/1/10	1215	—	4			1	3					X	X		005
6	SW-2	WT	—	—	—	11/1/10	1235	—	4			1	3					X	X		006
7	MW-10	WT	—	—	—	11/1/10	1400	—	4			1	3					X	X		007
8	MW-11	WT	—	—	—	11/1/10	1510	—	4			1	3					X	X		008
9	MW-12	WT	—	—	—	11/1/10	1545	—	4			1	3					X	X		009
10	MW-13	WT	—	—	—	11/1/10	1625	—	4			1	3					X	X		010
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	J Quattrin / PACE	11/1/10	18:17	[illegible]	11/2/10	8:00	2.4 [illegible]

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: J. Quattrin
SIGNATURE of SAMPLER: J Quattrin
DATE Signed (MM/DD/YY): 11/01/10

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 # 9281070

Where Received: ☑ Huntersville ☐ Asheville ☐ Eden

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

Optional
Proj. Due Date:
Proj. Name:

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

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

Thermometer Used: IR Gun : T809 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract _____0_____**C**

Corrected Cooler Temp.: 2.4 **C** **Biological Tissue is Frozen:** Yes No

Date and Initials of person examining contents: 11/2/10

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix:_____		
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. 11/2/10
Trip Blank Custody Seals Present	☑Yes ☐No ☑N/A	11/2/10
Pace Trip Blank Lot # (if purchased):_____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: [signature] **Date:** 11/2/10 **SRF Review:** EW **Date:** ~~10~~ 11/2/10

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

1436539

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:
Project Number: OSR

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): 8260 TVOC; RCRA 8 metals

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test	8260 TVOC	RCRA 8 metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-7	WT	—	—	—	11/2	1045	—	4			1	3						X	X		9281070 011
2	MW-4R	WT	—	—	—	11/2	1155	—	4			1	3						X	X		012
3	MW-5R	WT	—	—	—	11/2	1325	—	4			1	3						X	X		013
4	MW-1R	WT	—	—	—	11/2	1405	—	4			1	3						X	X		014
5	MW-2R	WT	—	—	—	11/2	1445	—	4			1	3						X	X		015
6	SW-1	WT	—	—	—	11/2	1515	—	4			1	3						X	X		016
7	MW-3R	WT	—	—	—	11/2	1545	—	4			1	3						X	X		017
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	J Qualtieri / PACE	11/2	1844	J Moore / Pace	~~11/3~~ 11/2/10	1844	3.6	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: J. Qualtieri

SIGNATURE of SAMPLER: J Qualtieri

DATE Signed (MM/DD/YY): 11/2/2010

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 # 928/070

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 : T809 **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: TMD 11/3

		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: [signature] **Date:** 11/3/10 **SRF Review:** EW **Date:** 11/3/10

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)

F-CHR-CS-003-rev.01

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)): PACE - JJQ
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: 35.62 ft. Casing Volume: 4.0 gallons
Height of Water Col.: 24.38 ft. Cal. 3 Volumes: 12.0 gallons

Purge Information

Date Purged: 11/2/10 Time Start: 1343 Finish: 13:55 Purge Rate: 200ml/min
Purging Method: micropurge by QFD Total Volume Purged: 0.6 gallons

Sampling Information

Date Sample Collected: 11/2/10 Time Sample Collected: 14:05 am (pm)
Sampling Equipment Used: micropurge by QFD

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

Field Measurements/Observations

Sample Temp. (°C): 16.8 Time: 14:05
Sample pH (s.u.): 5.13 Time: 14:05
Specific Cond. (uS): 109 Time: 14:05
ReDox (mV): 282 Time: 14:05
Odor: NONE
Turbidity (ntu): 3.0 Time: 14:05
Dis. Oxy. (mg/L): 6.8 Time: 14:05
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear

General Observations: micropurge method Discharge = 20 sec Refill = 40 sec

Weather Conditions: High 57F, winds 10 to 15 mph sunny

Sampler Signature: J Quathers Date: 11/2/10

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
13:46	5.31	109	279	6.0	8.4	17.2	600	—
13:49	5.18	108	281	3.0	7.2	17.1	1200	—
13:52	5.17	109	282	3.0	6.9	17.2	1800	—
13:55	5.16	109	282	3.0	6.8	17.2	2400	—

MW2R

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)): JTQ - 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: 8.39 ft. Casing Volume: 2.0 gallons
Height of Water Col.: 12.61 ft. Cal. 3 Volumes: 6.0 gallons

Purge Information

Date Purged: 11/2/10 Time Start: 14:23 Finish: 14:35 Purge Rate: 400ml/min
Purging Method: micropurge by QED Total Volume Purged: 1.3 gallons

Sampling Information

Date Sample Collected: 11/2/10 Time Sample Collected: 14:45 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): 16.3 Time: 14:45
Sample pH (s.u.): 5.05 Time: 14:45
Specific Cond. (uS): 5.43 Time: 14:45
ReDox (mV): 99 Time: 14:45
Odor: NONE
Turbidity (ntu): 6.0 Time: 14:45
Dis. Oxy. (mg/L): 4.3 Time: 14:45
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: micropurge by QED 20 sec Refill
stormwater appears to travel approx 5 feet from well 1 sec Discharge
Weather Conditions: High 57F / WINDS 10 to 15 mph / Sunny

Sampler Signature: J Quattrer Date: 11/2/10

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
14:26	5.02	548	96	6.0	5.1	16.5	1200	—
14:29	5.04	541	97	6.0	4.5	16.3	2400	—
14:32	5.01	545	97	6.0	4.4	16.4	3600	—
14:35	5.05	540	98	6.0	4.3	16.5	4800	—

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: 19.97 ft. Casing Volume: 1.1 gallons
Height of Water Col.: 7.03 ft. Cal. 3 Volumes: 3.3 gallons

Purge Information

Date Purged: 11 / 2 / 10 Time Start: 12:15 Finish: 12:25 Purge Rate: N/A
Purging Method: Tef Bailer Total Volume Purged: 3.3 gallons

Sampling Information

Date Sample Collected: 11 / 2 / 10 Time Sample Collected: 15:45 am (pm)
Sampling Equipment Used: Tef. Bailer

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

Field Measurements/Observations

Sample Temp. (°C): 15.9 Time: 15:45
Sample pH (s.u.): 5.22 Time: 15:45
Specific Cond. (uS): 369 Time: 15:45
ReDox (mV): -14 Time: 15:45
Odor: NONE
Turbidity (ntu): 99 Time: 15:45
Dis. Oxy. (mg/L): 4.8 Time: 15:45
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: cloudy

General Observations: micropurge bladder pump NOT operating. HDR has instructed PACE to pull bladder pump & bail well MW-3R
Weather Conditions: High 57F WIND 10 to 15 mph sunny

Sampler Signature: J Quattlebaum Date: 11 / 2 / 10

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed (gals.)	Other
12:17	5.36	390	-20	780	5.2	15.6	1.1	—
1223	5.30	387	-24	520	4.2	15.6	2.2	—
1225	5.32	385	-25	170	4.2	15.1	3.3	—

MW-4R

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-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: 8.49 ft. Casing Volume: 1.9 gallons
Height of Water Col.: 11.51 ft. Cal. 3 Volumes: 5.7 gallons

Purge Information

Date Purged: 11/2/10 Time Start: 11:23 Finish: 11:47 Purge Rate: 200 ml/min
Purging Method: micropurge by QED Total Volume Purged: 1.1 gallons

Sampling Information

Date Sample Collected: 11/2/10 Time Sample Collected: 11:55 (am) pm
Sampling Equipment Used: micropurge by QED

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

Field Measurements/Observations

Sample Temp. (°C): 16.4 Time: 11:55
Sample pH (s.u.): 6.16 Time: 11:55
Specific Cond. (uS): 562 Time: 11:55
ReDox (mV): 260 Time: 11:55
Odor: NONE ~~259 JJQ~~
Turbidity (ntu): 40 Time: 11:55
Dis. Oxy. (mg/L): 3.6 Time: 11:55
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: HAZY
General Observations: micropurge method D/3 = 5 sec Refill = 10 sec
Weather Conditions: High 57 WINDS 10 to 15 mph sunny

Sampler Signature: J Quattlebaum Date: 11/2/10

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	6.02	109	297	45	8.4	15.2	600	—
11:29	6.00	278	294	191	5.7	16.0	1200	
11:32	6.08	419	274	64	4.0	16.3	1800	—
11:35	6.10	504	274	60	3.9	16.3	2400	—
11:38	6.09	519	271	52	3.8	16.4	3000	—

Client: HDR

Location: Winston-Salem, NC

Project: OSR (11-12-10)

Well ID: MW-4R

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
11:41	6.12	547	266	45	3.7	16.4	3600
11:44	6.10	548	265	45	3.7	16.4	3900
11:47	6.14	560	260	42	3.6	16.4	4200

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: 10.50 ft. Casing Volume: 3.2 gallons
Height of Water Col.: 19.50 ft. Cal. 3 Volumes: 9.6 gallons

Purge Information

Date Purged: 11/2/10 Time Start: 12:55 Finish: 13:18 Purge Rate: 100 ml/min.
Purging Method: micropurge by QED Total Volume Purged: 0.6 gallons

Sampling Information

Date Sample Collected: 11/2/10 Time Sample Collected: 13:25 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): 16.2 Time: 13:25
Sample pH (s.u.): 5.13 Time: 13:25
Specific Cond. (uS): 204 Time: 13:25
ReDox (mV): 212 Time: 13:25
Odor: NONE

Turbidity (ntu): 3.0 Time: 13:25
Dis. Oxy. (mg/L): 8.1 Time: 13:25
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear

General Observations: micropurge method Discharge = 5 sec. Refill = 10 sec.
Weather Conditions: High 57F winds 10 to 15 mph sunny
Sampler Signature: J Quattlebaum Date: 11/2/10

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
12:58	5.43	206	176	4.0	8.4	16.4	300	—
13:01	5.31	208	217	4.0	8.6	15.8	600	—
13:04	5.20	207	236	3.0	8.6	15.6	900	—
13:07	5.14	206	255	3.0	8.5	15.7	1200	—
13:10	5.12	205	240	3.0	8.4	15.7	1500	—

Client: HDR

Location: Winston-Salem, NC

Project: OSR (11-2-10)

Well ID: MW-5R

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
13:13	5.12	205	220	3.0	8.3	16.0	1800
13:16	5.13	204	213	3.0	8.2	16.2	2100
13:18	5.13	204	212	3.0	8.2	16.0	2400

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: 37.48 ft. Casing Volume: 1.7 gallons
Height of Water Col.: 10.52 ft. Cal. 3 Volumes: 5.1 gallons

Purge Information

Date Purged: 11/2/10 Time Start: 10:24 Finish: 10:36 Purge Rate: 100 ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.3 gallons

Sampling Information

Date Sample Collected: 11/2/10 Time Sample Collected: 10:45 (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): 15.1 Time: 10:45
Sample pH (s.u.): 5.81 Time: 10:45
Specific Cond. (uS): 191 Time: 10:45
ReDox (mV): 261 Time: 10:45
Odor: NONE
Turbidity (ntu): 1.5 Time: 10:45
Dis. Oxy. (mg/L): 4.0 Time: 10:45
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: micropurge method Dis = 10 sec
Refill = 20 sec
Weather Conditions: High 57F, Winds ENE 10 to 15 mph partly cloudy

Sampler Signature: J Quattrin Date: 11/2/10

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed ml's ~~(gals.)~~	Other
10:27	5.05	189	264	2	5.7	15.0	300	—
10:30	5.84	191	264	1.5	4.2	15.0	600	—
10:33	5.84	191	262	1.5	4.0	15.1	900	—
10:36	5.82	190	261	1.5	4.0	15.1	1200	—

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
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: 16.12 ft. Casing Volume: 1.8 gallons
Height of Water Col.: 10.88 ft. Cal. 3 Volumes: 5.4 gallons

Purge Information

Date Purged: 11 / 1 / 10 Time Start: 10:14 Finish: 10:32 Purge Rate: 100ml/min
Purging Method: Micropurge by QED Total Volume Purged: 0.5 gallons

Sampling Information

Date Sample Collected: 11 / 1 / 10 Time Sample Collected: 10:35 (am) pm
Sampling Equipment Used: micropurge by QED

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

Field Measurements/Observations

Sample Temp. (°C): 17.5 Time: 10:35
Sample pH (s.u.): 5.56 Time: 10:35
Specific Cond. (uS): 60 Time: 10:35
ReDox (mV): 329 Time: 10:35
Odor: NONE
Turbidity (ntu): 1.0 Time: 10:35
Dis. Oxy. (mg/L): 7.9 Time: 10:35
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: Equipment Blank @ 10:00AM 11/1/10 VOC's only
5 sec DTS 10 sec Refill micropurge method
Weather Conditions: High 60°F mostly sunny wind 10 to 15 mph

Sampler Signature: J Quattro Date: ~~10~~ 11 / 01 / 10 JJQ

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
10:17	6.14	62	308	1.0	8.7	16.8	300	—
10:20	5.93	61	312	1.0	8.6	16.8	600	—
10:23	5.77	60	318	1.0	8.5	16.8	900	—
10:26	5.65	60	324	1.0	8.3	17.1	1200	—
10:29	5.59	60	327	1.0	8.0	17.3	1500	—

Client: HDR

Location: Winston-Salem, NC

Project: OSR (11-1-10)

Well ID: MW-8

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
10:32	5.57	60	328	1.0	7.9	17.5	1800

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: 50.02 ft. Casing Volume: 1.6 gallons
Height of Water Col.: 9.98 ft. Cal. 3 Volumes: 4.8 gallons

Purge Information

Date Purged: 11 / 01 / 10 Time Start: 11:11 Finish: 11:23 Purge Rate: 200ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.6 gallons

Sampling Information

Date Sample Collected: 11 / 01 / 10 Time Sample Collected: 11:30 (am) pm
Sampling Equipment Used: micro purge by QED

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

Field Measurements/Observations

Sample Temp. (°C): 16.2 Time: 11:30
Sample pH (s.u.): 5.38 Time: 11:30
Specific Cond. (uS): 193 Time: 11:30
ReDox (mV): 334 Time: 11:30
Odor: NONE
Turbidity (ntu): 1.0 Time: 11:30
Dis. Oxy. (mg/L): 7.8 Time: 11:30
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: mw-9 micropurge method 20 sec Discharge / 10 sec Ref, 11

Weather Conditions: High 60F, mostly sunny winds 10 to 15 mph

Sampler Signature: J. Quattlebaum Date: 11 / 01 / 10

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume ml Removed ~~(gals.)~~	Other
11:14	5.38	186	330	1.5	8.4	16.0	600	—
11:17	5.35	194	332	0.5	8.0	16.0	1200	—
11:20	5.38	192	333	0.5	7.9	16.1	1800	—
11:23	5.38	193	335	0.5	7.8	16.2	2400	—

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: 21.0 ft. Multi. Factor*: 0.163 {*(Radius/12)² X 3.14 x 7.48}
Static Water Level: 12.04 ft. Casing Volume: 1.5 gallons
Height of Water Col.: 8.96 ft. Cal. 3 Volumes: 4.5 gallons

Purge Information

Date Purged: 11/01/10 Time Start: 13:40 Finish: 13:55 Purge Rate: 100 ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.4 gallons

Sampling Information

Date Sample Collected: 11/01/10 Time Sample Collected: 1400 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): 18.5 Time: 14:00
Sample pH (s.u.): 5.31 Time: 14:00
Specific Cond. (uS): 42 Time: 14:00
ReDox (mV): 329 Time: 14:00
Odor: NONE
Turbidity (ntu): 0.5 Time: 14:00
Dis. Oxy. (mg/L): 7.8 Time: 14:00
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: micropurge method Discharge = 5 sec
Refill = 10 sec
Weather Conditions: High 60 F, winds 10+015 mph NE mostly sunny

Sampler Signature: J Quattrone Date: 11/01/10

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed ~~(gals.)~~ mL	Other
13:43	5.56	46	317	0.5	8.4	18.7	300	—
13:46	5.39	45	324	0.5	8.1	18.7	600	—
13:49	5.32	44	326	0.5	8.0	18.7	900	—
13:52	5.33	43	326	0.5	7.9	18.6	1200	—
13:55	5.31	43	330	0.5	7.8	18.5	1500	—

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: 4.03 ft. Casing Volume: 2.6 gallons
Height of Water Col.: 15.97 ft. Cal. 3 Volumes: 7.8 gallons

Purge Information

Date Purged: 11 / 01 / 10 Time Start: 14:34 Finish: 15:00 Purge Rate: 100ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.7 gallons

Sampling Information

Date Sample Collected: 11 / 01 / 10 Time Sample Collected: 15:10 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): 17.0 Time: 15:10
Sample pH (s.u.): 5.91 Time: 15:10
Specific Cond. (uS): 267 Time: 15:10
ReDox (mV): -27 Time: 15:10
Odor: NONE
Turbidity (ntu): 80 Time: 15:10
Dis. Oxy. (mg/L): 5.1 Time: 15:10
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: Hazy
General Observations: micropurge method Discharge = 5 sec / Refill = 10 sec
IRON STAIN on tubing. Rinsed off with DI H2O. MW-11
Weather Conditions: 60 F °High, mostly sunny. Winds 10 to 15 mph NE

Sampler Signature: J Quatten Date: 11 / 01 / 10

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
14:37	5.88	220	6	39	6.6	17.6	300	—
14:40	5.87	232	-5	40	6.3	17.5	600	—
14:43	5.88	239	-12	55	6.1	17.3	900	—
14:45	5.88	248	-15	67	5.9	17.2	1200	—
14:48	5.90	253	-20	68	5.6	17.1	1500	—

Client: HDR

Location: Winston-Salem, NC

Project: OSR (11/01/10)

Well ID: MW-11

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
14:51	5.89	258	-21	68	5.5	17.1	1800
14:54	5.90	260	-22	76	5.4	17.1	2100
14:57	5.91	264	-25	81	5.2	17.0	2400
15:00	5.92	267	-26	79	5.1	17.0	2700

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: 4.97 ft. Casing Volume: 1.7 gallons
Height of Water Col.: 10.61 ft. Cal. 3 Volumes: 5.1 gallons

Purge Information

Date Purged: 11/01/10 Time Start: 15:26 Finish: 15:41 Purge Rate: 200 ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.6 gallons

Sampling Information

Date Sample Collected: 11/01/10 Time Sample Collected: 15:45 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 metal

Field Measurements/Observations

Sample Temp. (°C): 18.1 Time: 15:45
Sample pH (s.u.): 5.82 Time: 15:45
Specific Cond. (uS): 183 Time: 15:45
ReDox (mV): 183 Time: 15:45
Odor: NONE

Turbidity (ntu): 7.0 Time: 15:45
Dis. Oxy. (mg/L): 4.9 Time: 15:45
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear

General Observations: MW-12 micropurge method 5 sec Discharge 10 sec refill
Weather Conditions: 60 F as High Mostly sunny - WINDS 10 to 15 mph NE

Sampler Signature: J. Qualtere Date: 11/01/10

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 mg	Other
15:29	5.89	175	157	7.0	6.5	18.3	600	—
15:32	5.85	177	167	7.0	5.9	18.2	1200	—
15:35	5.82	179	174	7.0	5.5	18.2	1800	—
15:38	5.83	182	177	7.0	5.0	18.1	2100	—
15:41	5.84	182	181	7.0	5.0	18.0	2400	—

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: 9.04 ft. Casing Volume: 1.8 gallons
Height of Water Col.: 10.96 ft. Cal. 3 Volumes: 5.4 gallons

Purge Information

Date Purged: 11/01/10 Time Start: 16:00 Finish: 16:18 Purge Rate: 100ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.5 gallons

Sampling Information

Date Sample Collected: 11/01/10 Time Sample Collected: 16:25 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): 17.2 Time: 16:25
Sample pH (s.u.): 5.45 Time: 16:25
Specific Cond. (uS): 168 Time: 16:25
ReDox (mV): 251 Time: 16:25
Odor: NONE

Turbidity (ntu): 200 Time: 16:25
Dis. Oxy. (mg/L): 5.2 Time: 16:25
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: cloudy

General Observations: MW-13 micropurge method Discharge = 5 sec
Refill = 10 sec
Weather Conditions: 60°F High, mostly sunny winds 10 to 15 mph NE

Sampler Signature: J Quathen Date: 11/01/10

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed ml/s ~~(gals.)~~	Other
16:03	5.71	143	239	53	7.4	17.5	300	—
16:06	5.49	164	247	185	6.7	17.4	600	—
16:09	5.48	165	248	195	6.2	17.4	900	—
16:12	5.47	166	248	195	5.5	17.3	1200	—
16:15	5.45	167	251	195	5.2	17.3	1500	—

Client: HDR

Location: Winston-Salem, NC

Project: OSR (11/01/10)

Well ID: MW-13

Time purged	pH (su)	Spec. Cond.(uS)	Redox (mv)	Turb.(ntu)	Dis. Oxy.(mg/l)	Temp.(C)	Vol. (ml) Removed
16:18	5.45	167	250	195	5.3	17.3	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: 51.00 ft. Casing Volume: 1.5 gallons
Height of Water Col.: 9.00 ft. Cal. 3 Volumes: 4.5 gallons

Purge Information

Date Purged: 11/01/10 Time Start: 11:52 Finish: 12:07 Purge Rate: 200ml/min
Purging Method: micropurge by QED Total Volume Purged: 0.8 gallons

Sampling Information

Date Sample Collected: 11/01/10 Time Sample Collected: 12:15 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): 17.2 Time: 12:15
Sample pH (s.u.): 5.42 Time: 12:15
Specific Cond. (uS): 167 Time: 12:15
ReDox (mV): 335 Time: 12:15
Odor: NONE
Turbidity (ntu): 24 Time: 12:15
Dis. Oxy. (mg/L): 7.7 Time: 12:15
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: micropurge by QED Discharge = 15 sec
MW-14 Refill = 15 sec
Weather Conditions: High 60F. mostly cloudy WINDS 10 to 15 mph

Sampler Signature: J Walther Date: 11/01/10

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
11:55	5.51	160	332	44	8.1	18.0	600	—
11:58	5.42	164	334	40	7.9	17.6	1200	—
12:01	5.41	165	335	25	7.8	17.4	1800	—
12:04	5.40	167	335	25	7.8	17.3	2400	—
12:07	5.41	167	335	24	7.7	17.2	3000	—

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)): JJQ - PACE
Name & Affiliation (Inspector): NIA

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: 11/2/10 Time Sample Collected: 15:15 am pm
Sampling Equipment Used: grab

Bottle Type	Preservation	Analysis Required
3-40ml VOA	HCl	App IV VOC
1-250ml	HNO_3	RCRA 8 - metals

Field Measurements/Observations

Sample Temp. (°C): 14.0 Time: 15:15
Sample pH (s.u.): 6.37 Time: 15:15
Specific Cond. (uS): 307 Time: 15:15
ReDox (mV): 9 Time: 15:15
Odor: Lite sulfurous ~~none~~
Turbidity (ntu): 7.0 Time: 15:15
Dis. Oxy. (mg/L): 6.7 Time: 15:15
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: surface water SW-1
Possible iron bacteria
Weather Conditions: 57F and High sunny winds 10 to 15 mph

Sampler Signature: J Quattlebaum Date: 11/02/10

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

Purge Information

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

Sampling Information

Date Sample Collected: 11/01/10 Time Sample Collected: 12:35 am pm
Sampling Equipment Used: grab

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

Field Measurements/Observations

Sample Temp. (°C): 13.4 Time: 12:35
Sample pH (s.u.): 6.09 Time: 12:35
Specific Cond. (uS): 183 Time: 12:35
ReDox (mV): 60 Time: 12:35
Odor: NONE
Turbidity (ntu): 8.0 Time: 12:35
Dis. Oxy. (mg/L): 8.8 Time: 12:35
Res. Cl (mg/L): — Time: —
Other: — Time: —
Appearance: clear
General Observations: surface water

Weather Conditions: 60F as High, mostly sunny, WINDS 10 to 15 mph

Sampler Signature: J Quattrem Date: 11/01/10

Stabilization Test

Time Purged	pH (s.u.)	Spec. Cond. (uS)	Redox. (mV)	Turbidity (ntu)	Dissolved Oxy. (mg/L)	Temp. (°C)	Volume Removed (gals.)	Other
						13.4		