OPERATIONS, MAINTENANCE & MONITORING REPORT

SOLVENT CHEMICAL SITE, NIAGARA FALLS, NEW YORK

SITE #9-32-096

2nd Semi-Annual Report for 2018

Prepared for:

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3163 Buffalo Avenue
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1.0 INTRODUCTION

This report documents the Operations, Maintenance and Monitoring (OM&M) activities conducted during the 2nd semi-annual period for 2018 at the Solvent Chemical Site, located at 3163 Buffalo Avenue, Niagara Falls, New York. The information presented herein conforms to the requirements set forth in the approved Site Management Plan (SMP) submitted to the New York State Department of Environmental Conservation (NYSDEC) in December 2016. The requirements outlined in the SMP fulfills Solvent Chemical's obligations as defined by the "Consent Decree between the State of New York and Solvent Chemical Company, Inc., 83 CIV 1401 (C), (Administrative Consent Order)," Site Number 9-32-096.

The Solvent Chemical Site remediation components being addressed under the SMP include:

(1) A series of ground water extraction wells which provide hydraulic control of overburden and shallow bedrock ground water;

(2) A pre-treatment system which removes most of the contaminant loading prior to discharge of extracted ground water to the Niagara Falls POTW; and

(3) A site cover which prevents direct exposure to contaminated soils that remain in place.

Section 2 of this report describes the operation and maintenance of the ground water extraction and pre-treatment systems. Section 3 of this report presents the cover performance monitoring data collected over the last quarter. Section 4 presents the results of any ground water quality monitoring activities that occurred over the quarter. Section 5 presents a summary of any issues and/or recommended modifications to OM&M activities.

2.0 PRE-TREATMENT SYSTEM OPERATION AND MAINTENANCE

2.1 System Operation Summary

The system did not experience any significant downtime during the semi-annual period. The volume of treated groundwater for the 2nd Semi-Annual Report for 2018 was approximately 11.25 million gallons. Appendix A provides tables of daily groundwater volumes and average flow rates for April, August, July, June, May and September 2018. Appendix B presents Solvent Chemical's Self-Monitoring Report submitted to the Niagara Falls' POTW for the 2nd Semi-Annual Report for 2018. The Site's pre-treatment system discharge concentrations did not exceed the limits defined in the City of Niagara Falls, Significant Industrial User Discharge Permit Number 55.

2.2 System Maintenance

Camtech Plumbing & Mechanical of Niagara Falls, New York conducted routine system performance inspections throughout the 2nd semi-annual 2018 period. Appendix C provides copies of the field inspection forms completed by TRC. Repairs were made to the system as identified and the following summary table presents the major maintenance activities performed at the Site:

Date	Maintenance Action Taken
4/10/2018	Installed new pump inside PW-3B.
4/16/2018	Performed the yearly backflow testing for the Niagara Falls Water Department.
4/25/2018	Replaced the pump in PW-2B and cleaned well.
5/2/2018	Repaired MW-6C well.
5/24/2018	Repaired and cleaned PW-5B and PW-7B pumps and cleaned the steam pump. Repaired pump 401 and 2" connection piping.
6/1/2018	Started repairs on steam piping, tanks, 2" schedule 80 PVC Pipe check valves and meters.
6/6/2018	Repaired PW-2B meter.
6/7/2018	Performed acid treatment in PW-2B well.
6/8/2018	Installed new PW-2B level switch.
6/11/2018	Repaired PW-2B pump and cleaned well. Cleaned separator tank and level switch.
6/21/2018	Repaired and installed a new pump in PW-6B and repaired 1" piping attached to the pump.
7/13/2018	Worked on TW-1A/2A/3A pumps and level switches. Cleaned the stripper air piping and tank valves
7/16/2018	Performed maintenance on TW-4A
7/18/2018	Measured A-Zone water levels and checked electrical.
7/19/2018	System shut down, cleaned the level switches on the tank and checked electrical.
7/23/2018	System shut down and measured water levels in PW-2B/3B/8B.
7/25/2018	Repaired and maintained PW-2B pump, meters, and tank valves.
7/27/2018	Repaired and maintained PW-2B electrical.
8/3/2018	Worked on PW-2B electrical issues.
8/7/2018	Worked on PW-5B pump and motor. PW-2B level switch.
8/8/2018	Worked on PW-2B connections
8/9/2018	Replace PW-2B pump, motor, and level indicator on TW-1A.
8/23/2018	Installed PDBs in F-Zone wells.
9/26/2018	Start two week shutdown for repairs.

2.2.1 Annual System Maintenance

Shut down for the annual system maintenance began on September 26, 2018.

2.3 Product Disposal

No product was removed or disposed during this 2nd Semi-Annual period. Previous product removal and disposal was conducted as follows:

- On July 20, 2018, approximately 350 gallons of product was removed from the onsite above ground storage tank (AST) and transported to Chemtron Corporation of Avon, Ohio.

- On November 9, 2016, approximately 350 gallons of product was removed from the onsite above ground storage tank (AST) and transported to Chemtron Corporation of Avon, Ohio.

- On March 9, 2016, six super sacks containing spent carbon from the regenerable carbon unit were transported by Nortru LLC to the Petro-Chem Processing Group facility in Detroit, Michigan.

- On January 9, 2015, approximately 272 gallons of product was removed from the onsite above ground storage tank (AST) and transported to Chemtron Corporation of Avon, Ohio (Chemtron). Disposal documentation is provided in Appendix C of the 1st Quarter 2015 OM&M Report.

- On July 9, 2013, approximately 300 gallons of product was removed from the onsite AST for transport and disposal at an approved facility. Disposal documentation is provided in Appendix C of the 3rd Quarter 2013 OM&M Report.

- On September 4, 2012, 107 gallons of product was removed from the onsite AST for transport to an approved disposal facility. Documentation of the transport and disposal is included in Appendix C of the 3rd Quarter, 2012 OM&M Report.

- On September 4, 2012, 107 gallons of product was removed from the onsite AST for transport to an approved disposal facility. Documentation of the transport and disposal is included in Appendix C of the 3rd Quarter, 2012 OM&M Report.

- On August 2, 2011 approximately 150 gallons of product was transported by the Environmental Service Group, Inc. to Chemtron. Documentation of this transport and disposal was included in Appendix C of the 3rd Quarter 2011 OM&M Report.

- During the 1st Quarter 2010, 488 gallons of recovered product was removed from the onsite AST for transport to an approved disposal facility on January 13, 2010. Documentation of the transport and disposal is included in Appendix C of the 1st Quarter, 2010 OM&M Report.

- On December 17, 2009, eleven drums of contaminated debris (pump parts, PPE) were transported to the Michigan Disposal Waste Treatment Plant in Belleville, MI. Documentation of the transport and disposal is included in Appendix C of the 4th Quarter 2009 OM&M Report.

- On September 26, 2007, eleven drums of carbon from the regenerable carbon unit were transported to Wayne Disposal, Inc. Site 2 Landfill located in Belleville, MI.

- On January 20, 2006 approximately 500 gallons of liquid waste were removed from the onsite AST and transported to Chemtron. Documentation of this transport and disposal activity was presented in the 1st Quarter 2006 OM&M Report dated July 10, 2006.

- In July 2004, 90 gallons of product were transported by Frank's Vacuum Truck Service of Niagara Falls, New York to Chemtron. Documentation of this transport and disposal activity was presented in the 3rd Quarter 2004 OM&M Report dated 11/17/04.

3.0 PERFORMANCE MONITORING

3.1 Ground Water Extraction System Performance Monitoring

Ground water levels were measured on September 11 and 12, 2018. Table 2.1 provides the recorded ground water depths and their corresponding ground water elevations (referenced to Benchmark J20, Niagara Falls City Datum).

3.1.1 Overburden Ground Water Control and Collection System

Water level measurements were collected both within and outside of the ground water extraction trench. Figure 1 provides ground water piezometric surface elevations for the A-zone observation wells on the Solvent Site. As shown on Figure 1, the piezometric elevations of all the observation wells in the central portions of the site are higher than the piezometric elevations encountered in the trench observation wells indicating an overburden flow path towards the ground water extraction trench.

3.1.2 Bedrock Ground Water Control

Figures 2 and 3 present water level contours for both the Solvent and Hot Spot Sites based on measurements taken on September 11 and 12, 2018, respectively. The figures indicate that the B-zone pumping wells are achieving capture consistent with the baseline hydraulic conditions approved by NYSDEC in a letter dated March 18, 2004.

3.2 Cover Performance Monitoring

Ground cover at the Site varies and includes a grassed area in the northern portion of the Site, a heavily vegetated area in the southern portion of the Site, a paved area along with a gravel access road, and an onsite treatment building. A quarterly site inspection was performed on September 13, 2018.

3.3 Grassed and Vegetated Areas

Grass is well established along the Site's northern side, adjacent to Buffalo Avenue to just south of the treatment building. Vegetative growth, covering the rest of the Site, is also well established and there were not any areas where growth was absent. Mowing is performed as described in the approved OM&M plan.

During the inspection, nothing of concern was noted regarding the grassed and vegetated areas at the Site.

3.4 Paved Area and Gravel Roadway

Overall the paved area is intact without any major cracks. The gravel roadway is intact but is becoming overgrown with vegetation.

3.5 Treatment Building

There are no OM&M issues to be addressed with respect to the treatment building.

4.0 GROUND WATER QUALITY MONITORING

The primary Contaminants of Concern (COCs) for the Solvent Chemical Site, as identified in the Record of Decision (ROD), are: benzene, chlorobenzene, 1,2,4-trichlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene and 1,4-dichlorobenzene. Since all of the primary COCs are volatile organic compounds (VOCs), samples are collected using passive diffusion bags (PDBs) as approved by NYSDEC. Analytical results for VOCs via Method 8260 are generated during the first and third quarters of the year.

4.1 Analytical Results

Table 4.1 displays the results of the ground water sampling event for the A through F-zones. Figure 4-A presents groundwater analytical results adjacent to each A-zone and B-zone monitoring/observation well for the Solvent Chemical Site. Figure 4-B presents groundwater analytical results adjacent to each A-zone and B-zone monitoring/observation well for the Hot Spot.

4.2 Sample Collection

PDBs were installed in thirty-six monitoring/observation wells (nine A-zone wells, nineteen B-zone wells, three C-zone wells, two CD-zone wells and three F-zone wells) following sample collection in September of 2018. A sample was not collected at OW-18B or MW-6C; OW-18B was obstructed and no PDB was present in MW-6C.

4.3 Monitoring for NAPL

After the PDB was removed and sampled, an oil/water interface probe was used to check for the presence of NAPL at each of the wells. The presence of NAPL was also checked at the wells that were not sampled. The following well had trace evidence of NAPL present on the interface probe or on the water: OW-8, OW-11A

5.0 SUMMARY

The components of the Solvent Chemical Site remediation continue to operate as designed. No modifications to system operations are recommended at this time. Contamination conditions have not change significantly since the last report.

TABLES

TABLE 2.1 - GROUNDWATER ELEVATIONS
SOLVENT CHEMICAL, 3163 BUFFALO AVENUE, NIAGARA FALLS, NEW YORK
2nd SEMI-ANNUAL REPORT 2018

Monitoring Well No.	Reference Elevation (ft.)	9/11/2018	
		DTW (ft)	Elevation (ft.)
A - Zone:			
MW-1A	572.45	9.80	562.65
MW-2A	572.16	12.72	559.44
MW-5A	570.56	10.76	559.80
MW-6A	573.28	10.75	562.53
OW-1A	570.46	7.98	562.48
OW-5A	573.05	DRY	DRY
OW-6A	572.10	10.46	561.64
OW-7A	574.00	11.71	562.29
OW-8A	572.82	10.84	561.98
OW-9A	574.13	13.01	561.12
OW-10A	568.29	DRY	DRY
OW-11A	575.26	12.58	562.68
OW-12A	575.41	12.20	563.21
OW-13A	574.95	14.69	560.26
OW-14A	575.21	13.53	561.68
OW-15A	569.19	9.01	560.18
OW-16A	572.05	8.60	563.45
OW-17A	567.85	DRY	DRY
OW-18A	575.87	12.08	563.79
OW-19A	572.89	9.73	563.16
OW-20A	572.62	DRY	DRY
OW-21A	569.33	DRY	DRY
OW-22A	570.68	12.52	558.16
OW-26A	570.63	DRY	DRY
OW-27A	570.34	9.49	560.85
OW-29A	573.14	10.25	562.89
TW-1A	569.19	8.76	560.43
TW-2A	569.72	8.33	561.39
TW-3A	571.16	14.42	556.74
TW-4A	569.82	12.89	556.93
TW-5A	569.33	7.00	562.33
B-Zone:			
MW-1B	572.44	9.80	562.64
MW-2B	572.46	14.50	557.96
MW-4B	573.50	17.40	556.10
MW-5B	571.48	DRY	DRY
MW-6B	573.40	17.46	555.94
OW-1B	570.95	13.94	557.01
OW-2B	573.98	19.87	554.11
OW-3B	572.64	16.45	556.19
OW-4B	570.55	13.63	556.92
OW-5B	568.31	12.04	556.27
OW-6B	573.10	12.34	560.76
OW-7B	572.73	26.76	545.97
OW-8B	572.53	23.64	548.89
OW-10B	572.62	15.54	557.08
OW-11B	571.93	15.15	556.78
OW-12B	571.85	24.08	547.77
OW-13B	571.68	18.46	553.22
OW-14B	570.87	14.19	556.68
OW-15B	569.78	12.96	556.82
OW-18B [1]	576.05	--	--
OW-22B	570.90	14.32	556.58
OW-23B	569.67	13.12	556.55
OW-24B	570.36	13.59	556.77

TABLE 2.1 - GROUNDWATER ELEVATIONS
SOLVENT CHEMICAL, 3163 BUFFALO AVENUE, NIAGARA FALLS, NEW YORK
2nd SEMI-ANNUAL REPORT 2018

Monitoring Well No.	Reference Elevation (ft.)	9/11/2018	
		DTW (ft)	Elevation (ft.)
OW-25B	570.9	14.08	556.82
OW-26B	571.64	23.78	547.86
OW-27B	569.81	18.73	551.08
OW-28B	568.76	13.69	555.07
OW-29B	568.16	13.86	554.30
OW-30B	568.10	20.36	547.74
OW-31B	570.14	13.21	556.93
OW-32B	569.99	13.31	556.68
OW-33B	569.55	12.87	556.68
PW-1B	572.34	15.05	557.29
PW-2B	571.60	18.58	553.02
PW-3B	571.21	19.16	552.05
PW-4B	569.72	14.33	555.39
PW-5B	572.74	25.32	547.42
PW-6B	573.95	26.16	547.79
PW-7B	571.15	17.49	553.66
PW-8B	572.36	24.76	547.60
C-Zone:			
MW-1C	572.53	9.80	562.73
MW-4C	571.42	28.07	543.35
MW-5C	572.75	25.97	546.78
MW-6C	573.60	25.89	547.71
CD-Zone:			
MW-1CD	572.78	16.06	556.72
MW-5CD	570.50	24.85	545.65
MW-6CD	573.45	19.54	553.91
F-Zone:			
MW-1F	572.40	13.98	558.42
MW-5F	572.78	14.92	557.86
MW-6F	573.52	15.98	557.54
Piezometers:			
PZ-01	572.46	DRY	DRY
PZ-02	572.14	DRY	DRY
PZ-03	571.95	11.04	560.91
PZ-04	572.03	DRY	DRY

Notes:
1) OW-18B was not measured due to an obstruction in the well at 18.61 ft.

TABLE 4.1 - GROUND WATER ANALYTICAL RESULTS
SOLVENT CHEMICAL, 3163 BUFFALO AVENUE, NIAGARA FALLS, NY
SEPTEMBER 2018

Location	Date Sampled	Contaminants of Concern																							
		Benzene	Chlorobenzene	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene	1,3-Dichloropropane	2,2-Dichloropropane	2-BUanone (MEK)	2-Chloroethyl vinyl ether
	Effluent Limit*	1	5	5	3	3	3	5	5	5	1	5	5	N/A	5	0.04	5	0.04	0.0006	0.6	1	5	5	5	N/A	N/A
A Zone																										
MW-02A	09/13/2018	**120**	**2200**	**130**	**1800**	**1000**	**3000**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	**61**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 250 U
MW-05A	09/11/2018	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 10 U	< 5.0 U
OW-09A	09/11/2018	< 50 U	< 50 U	< 50 U	**450**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 250 U
OW-12A	09/11/2018	**200**	**6100**	< 200 U	**3700**	**560**	**2300**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 2000 U	< 1000 U
OW-15A	09/11/2018	< 20 U	**140**	**290**	**1100**	**190**	**180**	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 200 U	< 100 U
OW-16A	09/11/2018	< 1.0 U	< 1.0 U	< 1.0 U	**31**	< 1.0 U	**5.0**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 10 U	< 5.0 U
OW-18A	09/13/2018	**620**	**10000**	**170 J**	**11000 T**	**1900**	**16000 T**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 2000 U	< 1000 U
OW-22A	09/12/2018	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 10 U	< 5.0 U
OW-29A	09/13/2018	< 200 U	**11000**	**810**	**12000**	**2800**	**7500**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	**240**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 2000 U	< 1000 U
B Zone																										
MW-01B	09/11/2018	**1200**	**55000**	**930**	**4300**	**2900**	**14000**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	**330**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 2000 U	< 1000 U
MW-04B	09/11/2018	**45 J**	**88 J**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	**610**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 1000 U	< 500 U
MW-06B	09/13/2018	**480**	**3900**	**370**	**7300**	**2200**	**4800**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	**67 J**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 1000 U	< 500 U
OW-05B	09/12/2018	**81 J**	**220**	**65 J**	**140**	**130**	**190**	< 80 U	< 80 U	**520**	< 80 U	< 80 U	**42 J**	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 800 U	< 400 U
OW-06B	09/12/2018	**110**	**690**	**1100**	**800**	**430**	**840**	< 50 U	< 50 U	**180**	< 50 U	< 50 U	**38 J**	< 50 U	**28 J**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 250 U
OW-07B	09/12/2018	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**6.1**	**0.47 J**	**1.1**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 10 U	< 5.0 U
OW-08B	09/12/2018	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	**2.7**	**2.0**	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 20 U	< 10 U
OW-10B	09/13/2018	**2500**	**30000**	**350 J**	**10000**	**3200**	**13000**	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 5000 U	< 2500 U
OW-11B	09/13/2018	**7800**	**11000**	**3000**	**25000**	**6900**	**20000**	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	**980**	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 4000 U	< 2000 U
DUP OW-11B	09/13/2018	**7900**	**12000**	**2800**	**24000**	**6600**	**19000**	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	**910**	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 5000 U	< 2500 U
OW-12B	09/11/2018	**4.7**	**42**	< 1.0 U	**11**	**6.8**	**14**	< 1.0 U	< 1.0 U	**0.99 J**	< 1.0 U	**1.5**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 10 U	< 5.0 U
OW-13B	09/11/2018	**870**	**5600**	**6700**	**6200**	**1300**	**4300**	< 80 U	< 80 U	**450**	< 80 U	< 80 U	< 80 U	< 80 U	**380**	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 800 U	< 400 U
DUP OW-13B	09/11/2018	**850**	**5600**	**6600**	**6000**	**1300**	**4400**	< 80 U	< 80 U	**530**	< 80 U	< 80 U	< 80 U	< 80 U	**370**	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 800 U	< 400 U
OW-14B	09/12/2018	< 100 U	**2100**	**260**	**3400**	**1800**	**6100**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	**58 J**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 1000 U	< 500 U
OW-15B	09/12/2018	**71**	**320**	**89**	**230**	**180**	**250**	< 50 U	< 50 U	**580**	**17 J**	< 50 U	**25 J**	< 50 U	**31 J**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 250 U
DUP OW-15B	09/12/2018	**64 J**	**190**	**69 J**	**130**	**150**	**170**	< 80 U	< 80 U	**460**	< 80 U	< 80 U	**23 J**	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 800 U	< 400 U
OW-18B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
OW-22B	09/12/2018	< 20 U	**23**	**22**	< 20 U	**34**	**33**	< 20 U	< 20 U	**120**	< 20 U	< 20 U	< 20 U	< 20 U	**8.4 J**	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 200 U	< 100 U
OW-26B	09/11/2018	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 100 U	< 50 U
OW-27B	09/11/2018	**190**	**1000**	**180**	**1500**	**770**	**1800**	< 100 U	< 100 U	**100**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 1000 U	< 500 U
OW-28B	09/11/2018	**57**	**190**	**60**	**100**	**120**	**150**	< 40 U	< 40 U	**360**	**17 J**	< 40 U	**23 J**	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 400 U	< 200 U
OW-29B	09/11/2018	**510**	**3300**	**1200**	**2900**	**840**	**2400**	< 200 U	< 200 U	**470**	< 200 U	< 200 U	< 200 U	< 200 U	**120 J**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 2000 U	< 1000 U
OW-30B	09/11/2018	**4.6**	**100**	< 4.0 U	**24**	**65**	**41**	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	**4.0**	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 40 U	< 20 U
C Zone																										
MW-01C	09/11/2018	**1100**	**43 J**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 250 U
MW-04C	09/11/2018	**4700 T**	**4500 T**	< 400 U	**850 T**	< 400 U	**430 T**	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 4000 U	< 2000 U
MW-05C	09/11/2018	**150**	**1900**	< 20 U	**130**	**240**	**480**	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 200 U	< 100 U
MW-06C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CD Zone																										
MW-01CD	09/11/2018	**5300**	**51000**	< 800 U	**14000**	**1900**	**10000**	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 8000 U	< 4000 U
MW-05CD	09/11/2018	**33 J**	< 40 U	< 40 U	**58**	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 400 U	< 200 U
F Zone																										
MW-01F	09/13/2018	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 250 U
MW-05F	09/13/2018	**140**	**690**	< 100 U	**700**	< 100 U	**290**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 1000 U	< 500 U
MW-06F	09/13/2018	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 200 U	< 100 U

Note:

All units in ug/l.

QUALIFIERS

GC/MS VOA

J: Indicates an estimated value.

NS: Not Sampled

T: MS and/or MSD Recovery is outside acceptance limits.

U: Analyzed for but not detected

waters, 2017.

N/A - No criteria available.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed criteria.

TABLE 4.1 - GROUND WATER ANALYTICAL RESULTS
SOLVENT CHEMICAL, 3163 BUFFALO AVENUE, NIAGARA FALLS, NY
SEPTEMBER 2018

Location	Date Sampled	Remaining Detected Analytes																				
		2-Hexanone	4-Methyl-2-pentanone	Acetone	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Dichlorodifluoromethane	Ethylbenzene	Hexachlorobutadiene	Isopropylbenzene	m,p-Xylene
Effluent Limit*		N/A	N/A	50	5	5	N/A	N/A	5	120	5	5	7	5	5	N/A	5	5	5	0.5	5	5
A Zone																						
MW-02A	09/13/2018	< 250 U	< 250 U	< 500 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 100 U
MW-05A	09/11/2018	< 5.0 U	< 5.0 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U
OW-09A	09/11/2018	< 250 U	< 250 U	< 500 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	**480**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 100 U
OW-12A	09/11/2018	< 1000 U	< 1000 U	< 2000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 400 U
OW-15A	09/11/2018	< 100 U	< 100 U	< 200 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 40 U
OW-16A	09/11/2018	< 5.0 U	< 5.0 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U
OW-18A	09/13/2018	< 1000 U	< 1000 U	< 2000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 400 U
OW-22A	09/12/2018	< 5.0 U	< 5.0 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**0.42 J**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U
OW-29A	09/13/2018	< 1000 U	< 1000 U	< 2000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 400 U
B Zone																						
MW-01B	09/11/2018	< 1000 U	< 1000 U	< 2000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 400 U
MW-04B	09/11/2018	< 500 U	< 500 U	< 1000 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	**170**	< 100 U	**3300**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 200 U
MW-06B	09/13/2018	< 500 U	< 500 U	< 1000 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	**81 J**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 200 U
OW-05B	09/12/2018	< 400 U	< 400 U	< 800 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	**2700**	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 160 U
OW-06B	09/12/2018	< 250 U	< 250 U	< 500 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	**5400**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 100 U
OW-07B	09/12/2018	< 5.0 U	< 5.0 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**1.0**	< 1.0 U	**41**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U
OW-08B	09/12/2018	< 10 U	< 10 U	< 20 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	**38**	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 4.0 U
OW-10B	09/13/2018	< 2500 U	< 2500 U	< 5000 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1000 U
OW-11B	09/13/2018	< 2000 U	< 2000 U	< 4000 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	**290 J**
DUP OW-11B	09/13/2018	< 2500 U	< 2500 U	< 5000 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 1000 U
OW-12B	09/11/2018	< 5.0 U	< 5.0 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**43**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U
OW-13B	09/11/2018	< 400 U	< 400 U	< 800 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	**11000**	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 160 U
DUP OW-13B	09/11/2018	< 400 U	< 400 U	< 800 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	**11000**	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 160 U
OW-14B	09/12/2018	< 500 U	< 500 U	< 1000 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 200 U
OW-15B	09/12/2018	< 250 U	< 250 U	< 500 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	**200**	< 50 U	**3100**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 100 U
DUP OW-15B	09/12/2018	< 400 U	< 400 U	< 800 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	**2400**	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 160 U
OW-18B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
OW-22B	09/12/2018	< 100 U	< 100 U	< 200 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**16 J**	< 20 U	**840**	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 40 U
OW-26B	09/11/2018	< 50 U	< 50 U	< 100 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U
OW-27B	09/11/2018	< 500 U	< 500 U	< 1000 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	**5800**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 200 U
OW-28B	09/11/2018	< 200 U	< 200 U	< 400 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	**4900**	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 80 U
OW-29B	09/11/2018	< 1000 U	< 1000 U	< 2000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	**13000**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 400 U
OW-30B	09/11/2018	< 20 U	< 20 U	< 40 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	**7.3**	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 8.0 U
C Zone																						
MW-01C	09/11/2018	< 250 U	< 250 U	< 500 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	**4000**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 100 U
MW-04C	09/11/2018	< 2000 U	< 2000 U	< 4000 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	**26000 T**	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 800 U
MW-05C	09/11/2018	< 100 U	< 100 U	< 200 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 40 U
MW-06C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CD Zone																						
MW-01CD	09/11/2018	< 4000 U	< 4000 U	< 8000 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	**8500**	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 1600 U
MW-05CD	09/11/2018	< 200 U	< 200 U	< 400 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	**1500**	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 80 U
F Zone																						
MW-01F	09/13/2018	< 250 U	< 250 U	< 500 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 100 U
MW-05F	09/13/2018	< 500 U	< 500 U	< 1000 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	**210**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 200 U
MW-06F	09/13/2018	< 100 U	< 100 U	**62 J**	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**1300**	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 40 U

Note:

All units in ug/l.

QUALIFIERS

GC/MS VOA

J: Indicates an estimated value.

NS: Not Sampled

T: MS and/or MSD Recovery is outside acceptance limits.

U: Analyzed for but not detected

waters, 2017.

N/A - No criteria available.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed criteria.

TABLE 4.1 - GROUND WATER ANALYTICAL RESULTS
SOLVENT CHEMICAL, 3163 BUFFALO AVENUE, NIAGARA FALLS, NY
SEPTEMBER 2018

Location	Date Sampled	Methyl tert-bUyl ether	Methylene chloride	n-BUylbenzene	n-Propylbenzene	Naphthalene	2-Chlorotoluene	o-Xylene	4-Chlorotoluene	4-Isopropyltoluene	sec-BUylbenzene	Styrene	tert-BUylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
	Effluent Limit*	N/A	5	5	5	10	5	5	5	5	5	5	5	5	5	5	N/A	5	5	N/A	2
A Zone																					
MW-02A	09/13/2018	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 250 U	< 50 U
MW-05A	09/11/2018	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**31**	< 1.0 U	< 1.0 U	< 1.0 U	**1.1**	< 1.0 U	< 5.0 U	< 1.0 U
OW-09A	09/11/2018	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	**4700**	< 50 U	< 50 U	< 50 U	**340**	< 50 U	< 250 U	< 50 U
OW-12A	09/11/2018	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 200 U
OW-15A	09/11/2018	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 100 U	< 20 U
OW-16A	09/11/2018	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U
OW-18A	09/13/2018	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 200 U
OW-22A	09/12/2018	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U
OW-29A	09/13/2018	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 200 U
B Zone																					
MW-01B	09/11/2018	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 1000 U	< 200 U
MW-04B	09/11/2018	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	**3100**	< 100 U	< 100 U	< 100 U	**8000**	< 100 U	< 500 U	< 100 U
MW-06B	09/13/2018	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 500 U	< 100 U
OW-05B	09/12/2018	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	**3700**	< 80 U	**96**	< 80 U	**8900**	< 80 U	< 400 U	**230**
OW-06B	09/12/2018	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	**700**	< 50 U	**120**	< 50 U	**1900**	< 50 U	< 250 U	**790**
OW-07B	09/12/2018	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**7.4**	< 1.0 U	**3.6**	< 1.0 U	**23**	< 1.0 U	< 5.0 U	< 1.0 U
OW-08B	09/12/2018	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	**2.0**	< 2.0 U	**91**	< 2.0 U	< 10 U	< 2.0 U
OW-10B	09/13/2018	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 2500 U	< 500 U
OW-11B	09/13/2018	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 2000 U	< 400 U
DUP OW-11B	09/13/2018	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 2500 U	< 500 U
OW-12B	09/11/2018	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**2.4**	< 1.0 U	**3.6**	< 1.0 U	**3.9**	< 1.0 U	< 5.0 U	**2.2**
OW-13B	09/11/2018	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	**1200**	< 80 U	**240**	< 80 U	**3100**	< 80 U	< 400 U	**1200**
DUP OW-13B	09/11/2018	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	**1100**	< 80 U	**240**	< 80 U	**3200**	< 80 U	< 400 U	**1200**
OW-14B	09/12/2018	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 500 U	< 100 U
OW-15B	09/12/2018	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	**2300**	< 50 U	**52**	< 50 U	**7500**	< 50 U	< 250 U	**320**
DUP OW-15B	09/12/2018	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	**3100**	< 80 U	**89**	< 80 U	**7400**	< 80 U	< 400 U	**160**
OW-18B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
OW-22B	09/12/2018	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**600**	< 20 U	**20**	< 20 U	**1600 T**	< 20 U	< 100 U	< 20 U
OW-26B	09/11/2018	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**300**	< 10 U	< 10 U	< 10 U	**15**	< 10 U	< 50 U	< 10 U
OW-27B	09/11/2018	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	**120**	< 100 U	**160**	< 100 U	**690**	< 100 U	< 500 U	**460**
OW-28B	09/11/2018	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	**1600**	< 40 U	**110**	< 40 U	**4400**	< 40 U	< 200 U	**510**
OW-29B	09/11/2018	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	**2600**	< 200 U	**280**	< 200 U	**3200**	< 200 U	< 1000 U	**1500**
OW-30B	09/11/2018	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	**15**	< 4.0 U	< 4.0 U	< 4.0 U	**16**	< 4.0 U	< 20 U	**7.4**
C Zone																					
MW-01C	09/11/2018	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	**200**	< 50 U	< 50 U	< 50 U	< 250 U	**1500**
MW-04C	09/11/2018	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	**430**	< 400 U	< 400 U	< 400 U	< 2000 U	**2100 T**
MW-05C	09/11/2018	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 100 U	**27**
MW-06C	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CD Zone																					
MW-01CD	09/11/2018	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 4000 U	**1900**
MW-05CD	09/11/2018	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	**61**	< 40 U	< 40 U	< 40 U	< 200 U	**870**
F Zone																					
MW-01F	09/13/2018	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 250 U	**3100**
MW-05F	09/13/2018	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 500 U	**2700**
MW-06F	09/13/2018	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**52**	< 20 U	< 20 U	< 20 U	< 100 U	**1900**

Note:

All units in ug/l.

QUALIFIERS

GC/MS VOA

J: Indicates an estimated value.

NS: Not Sampled

T: MS and/or MSD Recovery is outside acceptance limits.

U: Analyzed for but not detected

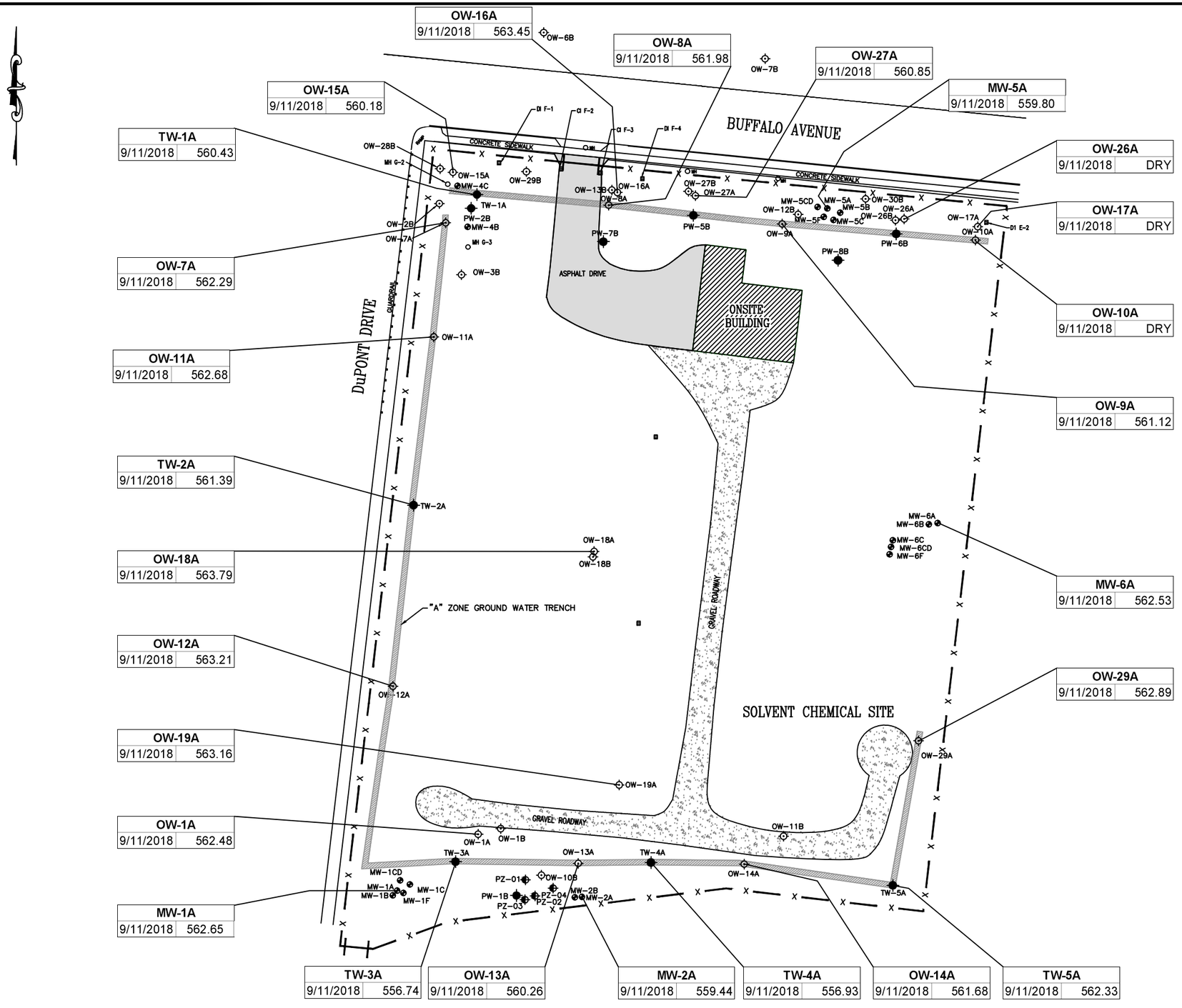
waters, 2017.

N/A - No criteria available.

Values in **bold** indicate the analyte was detected.

Values shown in bold and shaded type exceed the listed criteria.

FIGURES



LEGEND

OW-9A	WELL ID
DATE OF MEASUREMENT: 9/11/2018 561.12	PIEZOMETRIC SURFACE ELEVATIONS (FT.) (NM = NOT MEASURED)

NOTE
1. GROUNDWATER ELEVATIONS REFERENCED TO BENCHMARK J20, NIAGARA FALLS CITY DATA.

TRC
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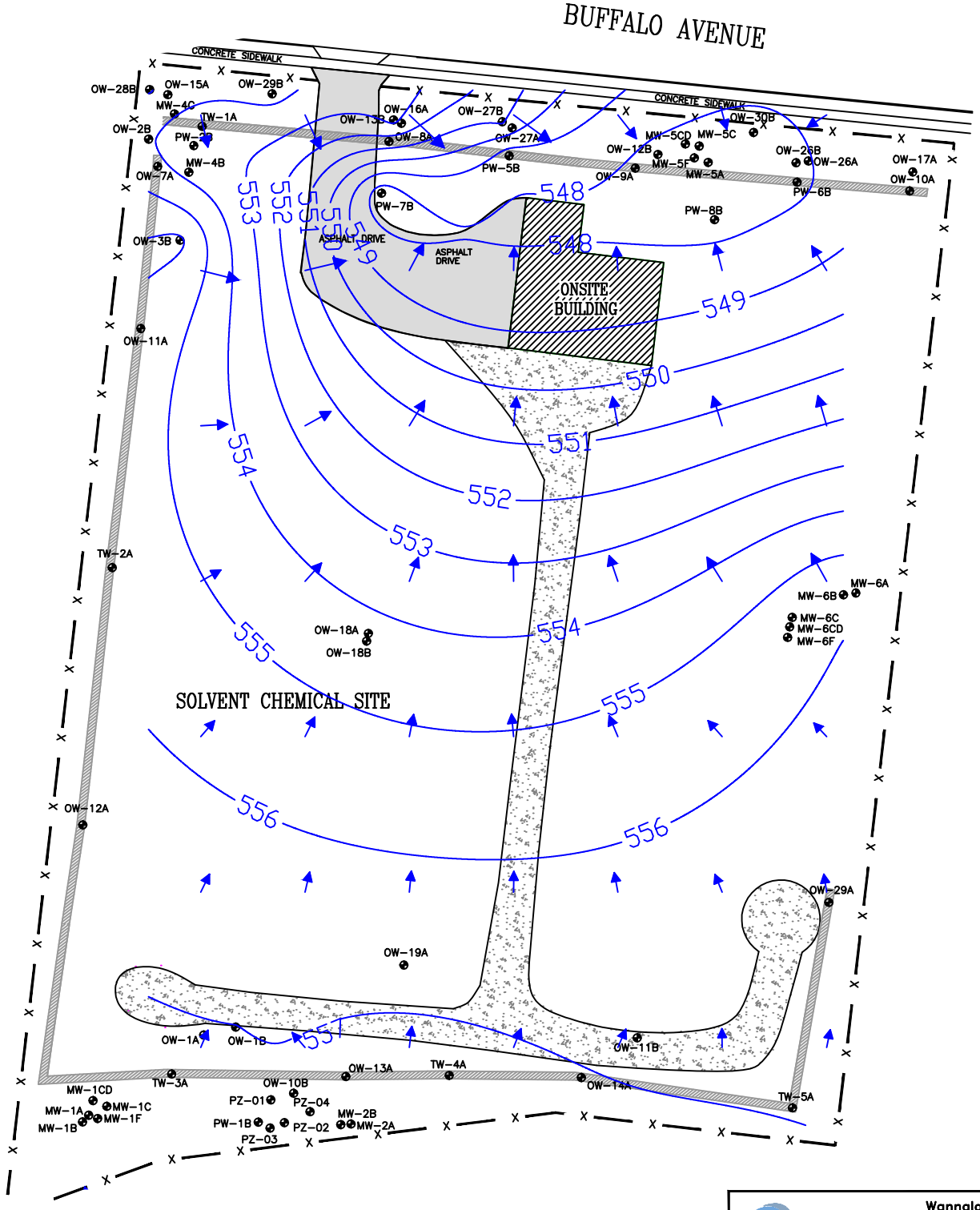
650 Suffolk Street
Lowell, MA 01854
(978) 970-5600

SOLVENT CHEMICAL
NIAGARA FALLS, NEW YORK

FIGURE 1
OVERBURDEN WATER LEVELS
SOLVENT SITE
SEPTEMBER 11, 2018

Date: SEPT. 2018 | Project No. 105146



LEGEND:

556 GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

CHAIN LINK FENCE

PW,OW,MW SOLVENT PUMPING OR MONITORING WELL

SCALE IN FEET

0 80' 160'

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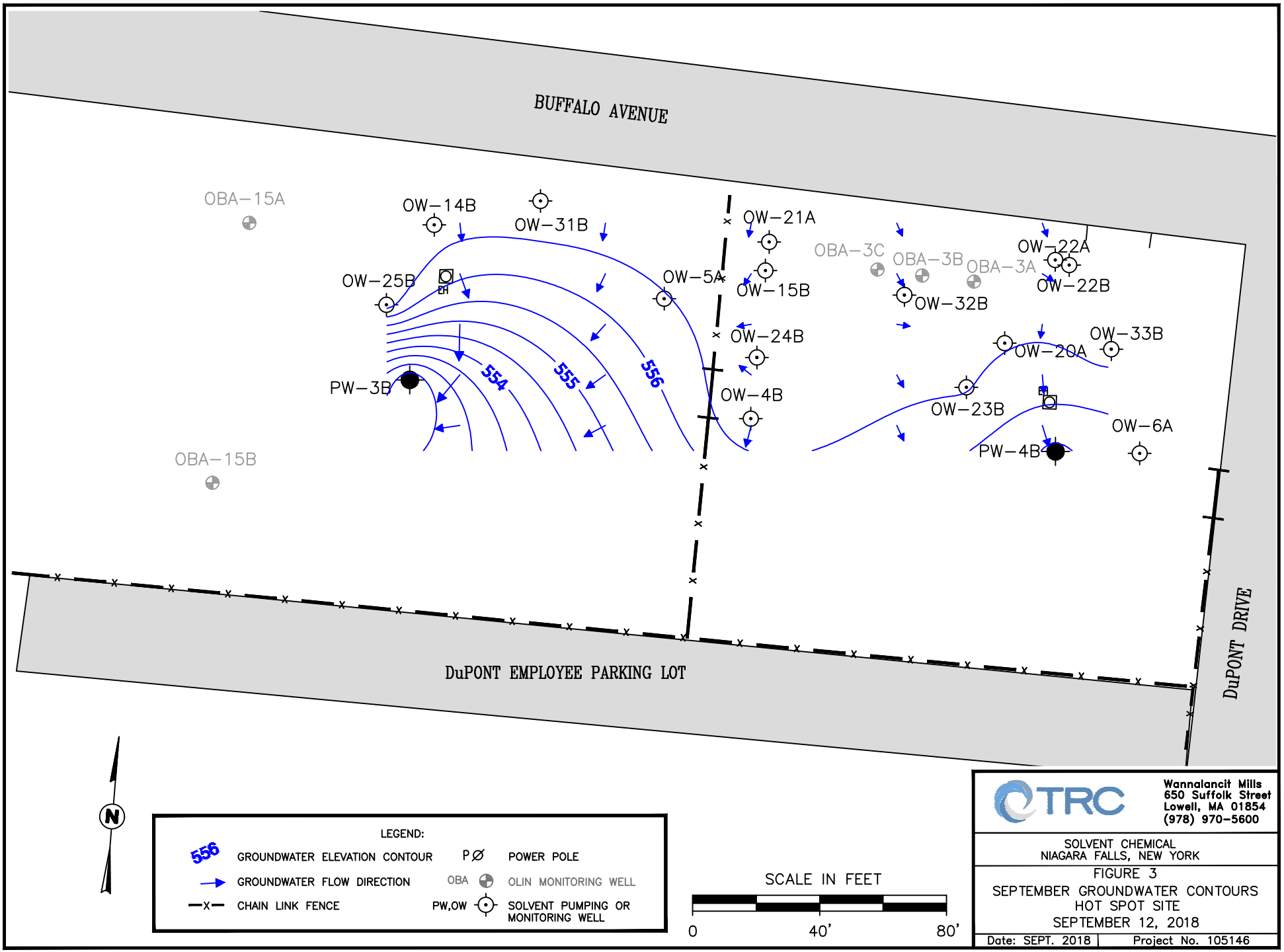
SOLVENT CHEMICAL
NIAGARA FALLS, NEW YORK

FIGURE 2
SEPTEMBER GROUNDWATER CONTOURS
SOLVENT SITE
SEPTEMBER 11, 2018

Date: SEPT. 2018 | Project No. 105146

FILE: J:\Projects\27397 - Solvent Chemical\Quarterly, Semi-Annual and Annual Reports\2018_Semi-Annual_2\Figures\Fig 2 and 3_GW Contours Updated 11292018.dwg



TRC
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650 Suffolk Street
Lowell, MA 01854
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FIGURE 3
SEPTEMBER GROUNDWATER CONTOURS
HOT SPOT SITE
SEPTEMBER 12, 2018

Date: SEPT. 2018 | Project No. 105146

FILE: z:\Projects\27397 – Solvent Chemical\Quarterly, Semi-Annual and Annual Reports\2018_Semi-Annual_2\Figures\Fig 2 and 3_GW Contours Updated 11292018.dwg

CONTAMINANT ABBREVIATIONS

MC	Methylene chloride
o - CLT	o-Chlorotoluene
p - CLT	p-Chlorotoluene
PCE	Tetrachloroethene
cis-DCE	cis-1,2-Dichloroethene
TCE	Trichloroethene
trans-DCE	trans-1,2-Dichloroethene
1,2,3-TCB	1,2,3-Trichlorobenzene
AC	Acetone
CHL	Chloroform
1,1,1,2-TCA	1,1,1,2-Tetrachloroethane
1,1,1-TRI	1,1,1-Trichloroethane
1,1,2,2-TCA	1,1,2,2-Tetrachloroethane
1,1,2-TRI	1,1,2-Trichloroethane
1,1-DCA	1,1-Dichloroethane
1,1-DCE	1,1-Dichloroethene
1,2-DCA	1,2-Dichloroethane
1,2-DCP	1,2-Dichloropropane
HEX	Hexachlorobutadiene
VC	Vinyl chloride
EB	Ethylbenzene
m/p-XYL	m/p-Xylenes
TOL	Toluene
CT	Carbon Tetrachloride
BROM	Bromobenzene
DICHLOR	Dichlorodifluoromethane
o-XYL	o-xylene
1,2,4-TMB	1,2,4-Trimethylbenzene
1,3,5-TEB	1,3,5-Trimethylbenzene
p-CYM	p-Cymene
NAP	Naphthalene
BUT	2-Butanone
CB	Chlorobenzene
CD	Carbon Disulfide
1,2-DCB	1,2-Dichlorobenzene
1,3-DCB	1,3-Dichlorobenzene
1,4-DCB	1,4-Dichlorobenzene
1,2,4-TCB	1,2,4-Trichlorobenzene
2-HEX	2-Hexanone
CHLMET	Chloromethane
BDCM	Bromodichloromethane
BRF	Bromoform
CDBM	Chlorodibromomethane

SEE FIGURE 4-B FOR CONTINUATION OF SITE

KEY

WELL ID
TOTAL COC CONCENTRATION

OW-18A			
Total COCs:		39,690	in ug/l
Benzene	620	1,2-DCB	11000 T
CB	10,000	1,3-DCB	1,900
1,2,4-TCB	170 J	1,4-DCB	16000 T
Remaining Detected Analytes			
BDL			

A-ZONE WELL — B-ZONE WELL — C-ZONE WELL — CD-ZONE WELL — F-ZONE WELL

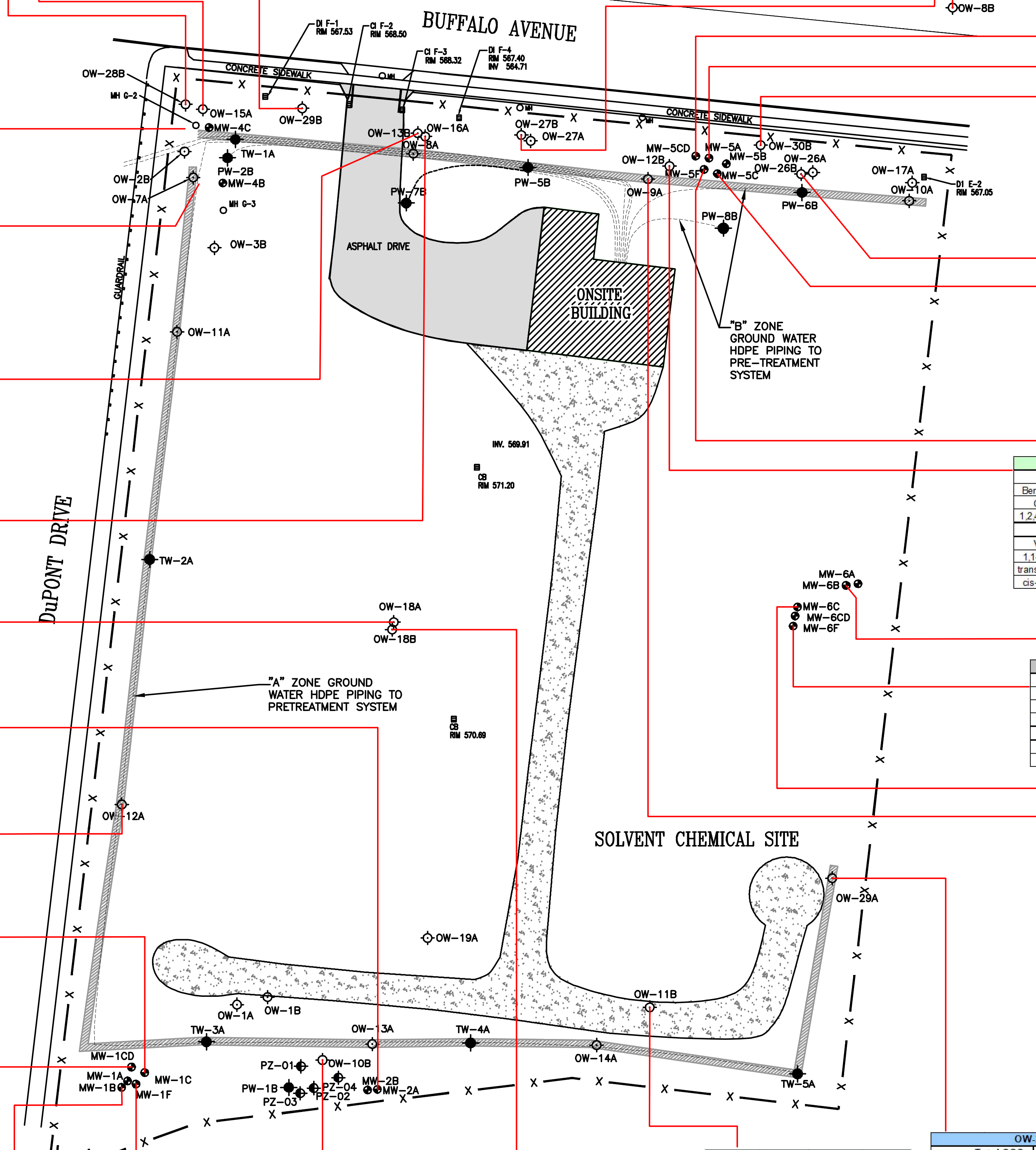
ALL UNITS IN UG/L.
QUALIFIERS
GC/MS VOA
J – INDICATES AN ESTIMATED VALUE.
E – RESULT EXCEEDED CALIBRATION RANGE.
NS – NOT SAMPLED
T – MS AND/OR MSD RECOVERY IS OUTSIDE ACCEPTANCE LIMITS.
BDL – BELOW DETECTION LIMIT.

NOTES

BASE MAP WAS PREPARED BY NIAGARA BOUNDARY DATED 8/30/01.

LEGEND

MH G-2 — SITE STORM SEWER MANHOLE
MH — CITY UTILITY MANHOLE
OW-3A — OBSERVATION WELL
MW-4A — MONITORING WELL
PW-3B / TW-3A — PRODUCTION WELL/TRENCH WELL
PZ-01 — PIEZOMETER
A-ZONE INTERCEPTOR TRENCH
— x — FENCE
GATE



OW-15A			
Total COCs:		1,900	in ug/l
Benzene	BDL	1,2-DCB	1,100
CB	140	1,3-DCB	190
1,2,4-TCB	290	1,4-DCB	180
Remaining Detected Analytes			
BDL			

OW-29B			
Total COCs:		11,150	in ug/l
Benzene	510	1,2-DCB	2,900
CB	3,300	1,3-DCB	840
1,2,4-TCB	1,200	1,4-DCB	2,400
Remaining Detected Analytes			
1,1,2,2-TCA	470	1,2,3-TCB	120 J
trans-DCE	280	cis-DCE	13,000
PCE	2,600	VC	1500
TCE	3,200		

OW-6B			
Total COCs:		3,970	in ug/l
Benzene	110	1,2-DCB	800
CB	690	1,3-DCB	430
1,2,4-TCB	1,100	1,4-DCB	840
Remaining Detected Analytes			
1,1,2,2-TCA	180	trans-DCE	120
cis-DCE	5,400	TCE	1,900
VC	790	1,2,3-TCB	28 J
1,1-DCE	38 J	PCE	700

OW-7B			
Total COCs:		BDL	in ug/l
Benzene	BDL	1,2-DCB	BDL
CB	BDL	1,3-DCB	BDL
1,2,4-TCB	BDL	1,4-DCB	BDL
Remaining Detected Analytes			
1,1,2,2-TCA	6.1	1,1,2-TRI	0.47 J
1,1-DCA	1.1	CHL	1.0
cis-DCE	41	PCE	7.4
trans-DCE	3.6	TCE	23

OW-27B			
Total COCs:		5,440	in ug/l
Benzene	190	1,2-DCB	1,500
CB	1,000	1,3-DCB	770
1,2,4-TCB	180	1,4-DCB	1,800
Remaining Detected Analytes			
VC	460	cis-DCE	5,800
PCE	120	TCE	690
1,1,2,2-TCA	100	trans-DCE	160

OW-8B			
Total COCs:		BDL	in ug/l
Benzene	BDL	1,2-DCB	BDL
CB	BDL	1,3-DCB	BDL
1,2,4-TCB	BDL	1,4-DCB	BDL
Remaining Detected Analytes			
1,1-DCA	2.7	1,1-DCE	2.0
cis-DCE	38	TCE	91.0
trans-DCE	2.0		

MW-5CD			
Total COCs:		91	in ug/l
Benzene	33 J	1,2-DCB	58
CB	BDL	1,3-DCB	BDL
1,2,4-TCB	BDL	1,4-DCB	BDL
Remaining Detected Analytes			
cis-DCE	1,500	VC	870
trans-DCE	61		

OW-28B			
Total COCs:		677	in ug/l
Benzene	57	1,2-DCB	100
CB	190	1,3-DCB	120
1,2,4-TCB	60	1,4-DCB	150
Remaining Detected Analytes			
1,1,2,2-TCA	360	trans-DCE	110
cis-DCE	4,900	PCE	1,600
1,1,2-TRI	17 J	1,1-DCE	23 J
TCE	4,400	VC	510

MW-4C			
Total COCs:		10,480	in ug/l
Benzene	4,700 T	1,2-DCB	850 T
CB	4,500 T	1,3-DCB	BDL
1,2,4-TCB	BDL	1,4-DCB	430 T
Remaining Detected Analytes			
trans-DCE	430	cis-DCE	26,000 T
VC	2,100 T		

MW-4B			
Total COCs:		133	in ug/l
Benzene	45 J	1,2-DCB	BDL
CB	88 J	1,3-DCB	BDL
1,2,4-TCB	BDL	1,4-DCB	BDL
Remaining Detected Analytes			
1,1,2,2-TCA	610	CHL	170
cis-DCE	3,300	TCE	8,000
PCE	3,100		

OW-13B			
Total COCs:		24,970	in ug/l
Benzene	870	1,2-DCB	6,200
CB	5,600	1,3-DCB	1,300
1,2,4-TCB	6,700	1,4-DCB	4,300
Remaining Detected Analytes			
1,2,3-TCB	380	cis-DCE	11,000
VC	1200	1,1,2,2-TCA	450
TCE	3100	PCE	1,200
trans-DCE	240		

OW-16A			
Total COCs:		36	in ug/l
Benzene	BDL	1,2-DCB	31
CB	BDL	1,3-DCB	BDL
1,2,4-TCB	BDL	1,4-DCB	5
Remaining Detected Analytes			
BDL			

OW-18A			
Total COCs:		39,690	in ug/l
Benzene	620	1,2-DCB	11,000 T
CB	10,000	1,3-DCB	1,900
1,2,4-TCB	170 J	1,4-DCB	16,000 T
Remaining Detected Analytes			
BDL			

MW-2A			
Total COCs:		8,250	in ug/l
Benzene	120	1,2-DCB	1,800
CB	2,200	1,3-DCB	1,000
1,2,4-TCB	130	1,4-DCB	3,000
Remaining Detected Analytes			
1,2,3-TCB	61		

OW-12A			
Total COCs:		12,860	in ug/l
Benzene	200	1,2-DCB	3,700
CB	6,100	1,3-DCB	560
1,2,4-TCB	BDL	1,4-DCB	2,300
Remaining Detected Analytes			
BDL			

MW-1C			
Total COCs:		1,143	in ug/l
Benzene	1,100	1,2-DCB	BDL
CB	43 J	1,3-DCB	BDL
1,2,4-TCB	BDL	1,4-DCB	BDL
Remaining Detected Analytes			
cis-DCE	4,000	trans-DCE	200
VC	1,500		

MW-1CD			
Total COCs:		82,200	in ug/l
Benzene	5,300	1,2-DCB	14,000
CB	51,000	1,3-DCB	1,900
1,2,4-TCB	BDL	1,4-DCB	10,000
Remaining Detected Analytes			
cis-DCE	8,500	VC	1,900

MW-1B			
Total COCs:		111,330	in ug/l
Benzene	1,200	1,2-DCB	4,300
CB	55,000	1,3-DCB	2,900
1,2,4-TCB	930	1,4-DCB	14,000
Remaining Detected Analytes			
1,2,3-TCB	330		

MW-1F			
Total COCs:		BDL	in ug/l
Benzene	BDL	1,2-DCB	BDL
CB	BDL	1,3-DCB	BDL
1,2,4-TCB	BDL	1,4-DCB	BDL
Remaining Detected Analytes			
VC	3,100		

OW-10B			
Total COCs:		59,050	in ug/l
Benzene	2,500	1,2-DCB	10,000
CB	30,000	1,3-DCB	3,200
1,2,4-TCB	350 J	1,4-DCB	13,000
Remaining Detected Analytes			
BDL			

OW-18B			
Total COCs:		NS	in ug/l
Benzene	NS	1,2-DCB	NS
CB	NS	1,3-DCB	NS
1,2,4-TCB	NS	1,4-DCB	NS
Remaining Detected Analytes			
NS			

OW-11B			
Total COCs:		74,800	in ug/l
Benzene	7,900	1,2-DCB	25,000
CB	12,000	1,3-DCB	6,900
1,2,4-TCB	3,000	1,4-DCB	20,000
Remaining Detected Analytes			
1,2,3-TCB	980	M/P-XYL	290 J

OW-29A			
Total COCs:		34,110	in ug/l
Benzene	BDL	1,2-DCB	12,000
CB	11,000	1,3-DCB	2,800
1,2,4-TCB	810	1,4-DCB	7,500
Remaining Detected Analytes			
1,2,3-TCB	240		

MW-5A			
Total COCs:		BDL	in ug/l
Benzene	BDL	1,2-DCB	BDL
CB	BDL	1,3-DCB	BDL
1,2,4-TCB	BDL	1,4-DCB	BDL
Remaining Detected Analytes			
PCE	31	TCE	1.1

OW-30B			
Total COCs:		235	in ug/l
Benzene	4.6	1,2-DCB	24
CB	100	1,3-DCB	65
1,2,4-TCB	BDL	1,4-DCB	41
Remaining Detected Analytes			
TCE	16	cis-DCE	7.3
PCE	15	VC	7.4
1,1-DCA	4		

OW-26B			
Total COCs:		BDL	in ug/l
Benzene	BDL	1,2-DCB	BDL
CB	BDL	1,3-DCB	BDL
1,2,4-TCB	BDL	1,4-DCB	BDL
Remaining Detected Analytes			
TCE	15	PCE	300

MW-6C			
Total COCs:		NS	in ug/l
Benzene	NS	1,2-DCB	NS
CB	NS	1,3-DCB	NS
1,2,4-TCB	NS	1,4-DCB	NS
Remaining Detected Analytes			
NS			

MW-5F			
Total COCs:		1,820	in ug/l
Benzene	140	1,2-DCB	700
CB	690	1,3-DCB	BDL
1,2,4-TCB	BDL	1,4-DCB	290
Remaining Detected Analytes			
cis-DCE	210	VC	2,700

OW-12B			
Total COCs:		91	in ug/l
Benzene	4.7	1,2-DCB	11
CB	42	1,3-DCB	6.8
1,2,4-TCB	BDL	1,4-DCB	14
Remaining Detected Analytes			
VC	2.2	1,1,2,2-TCA	0.99 J
1,1-DCA	1.5	PCE	2.4
trans-DCE	3.6	TCE	3.9
cis-DCE	43		

MW-6B			
Total COCs:		19,050	in ug/l
Benzene	480	1,2-DCB	7,300
CB	3,900	1,3-DCB	2,200
1,2,4-TCB	370	1,4-DCB	4,800
Remaining Detected Analytes			
cis-DCE	81 J	1,2,3-TCB	67 J

MW-6F			
Total COCs:		BDL	in ug/l
Benzene	BDL	1,2-DCB	BDL
CB	BDL	1,3-DCB	BDL
1,2,4-TCB	BDL	1,4-DCB	BDL
Remaining Detected Analytes			
cis-DCE	1,300	trans-DCE	52
VC	1,900	AC	62 J

MW-5C			
Total COCs:		2,900	in ug/l
Benzene	150	1,2-DCB	130
CB	1,900	1,3-DCB	240
1,2,4-TCB	BDL	1,4-DCB	480
Remaining Detected Analytes			
VC	27		

OW-9A			
Total COCs:		450	in ug/l
Benzene	BDL	1,2-DCB	450
CB	BDL	1,3-DCB	BDL
1,2,4-TCB	BDL	1,4-DCB	BDL
Remaining Detected Analytes			
cis-DCE	480	TCE	340
PCE	4,700		

TRC
Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
(978) 970-5600

SOLVENT CHEMICAL
NIAGARA FALLS, NEW YORK

FIGURE 4A
SEPTEMBER 11–13, 2018
GROUNDWATER DETECTED CONTAMINANTS
SOLVENT CHEMICAL SITE

Date: OCTOBER 2018 — Project No. 105146

FILE: \\ntapa-lowell\Environmental\Projects\Projects\27397 - Solvent Chemical\Quarterly, Semi-Annual and Annual Reports\2018_Semi-Annual_2\Figures\DWG\Fig 4A_AZONE-BZONE-GW-1.dwg

CONTAMINANT ABBREVIATIONS

MC	Methylene chloride
o - CLT	o-Chlorotoluene
p - CLT	p-Chlorotoluene
PCE	Tetrachloroethene
cis-DCE	cis-1,2-Dichloroethene
TCE	Trichloroethene
trans-DCE	trans-1,2-Dichloroethene
1,2,3-TCB	1,2,3-Trichlorobenzene
AC	Acetone
CHL	Chloroform
1,1,1,2-TCA	1,1,1,2-Tetrachloroethane
1,1,1-TRI	1,1,1-Trichloroethane
1,1,2,2-TCA	1,1,2,2-Tetrachloroethane
1,1,2-TRI	1,1,2-Trichloroethane
1,1-DCA	1,1-Dichloroethane
1,1-DCE	1,1-Dichloroethene
1,2-DCA	1,2-Dichloroethane
1,2-DCP	1,2-Dichloropropane
HEX	Hexachlorobutadiene
VC	Vinyl chloride
EB	Ethylbenzene
m/p-XYL	m/p-Xylenes
TOL	Toluene
CT	Carbon Tetrachloride
BROM	Bromobenzene
DICHLOR	Dichlorodifluoromethane
o-XYL	o-xylene
1,2,4-TMB	1,2,4-Trimethylbenzene
1,3,5-TEB	1,3,5-Trimethylbenzene
p-CYM	p-Cymene
NAP	Naphthalene
BUT	2-Butanone
CB	Chlorobenzene
CD	Carbon Disulfide
1,2-DCB	1,2-Dichlorobenzene
1,3-DCB	1,3-Dichlorobenzene
1,4-DCB	1,4-Dichlorobenzene
1,2,4-TCB	1,2,4-Trichlorobenzene
2-HEX	2-Hexanone
CHLMET	Chloromethane
BDCM	Bromodichloromethane
BRF	Bromoform
CDBM	Chlorodibromomethane

KEY

WELL ID
TOTAL COC CONCENTRATION

OW-14B			
Total COCs:	13,660		in ug/l
Benzene	BDL	1,2-DCB	3,400
CB	2,100	1,3-DCB	1,800
1,2,4-TCB	260	1,4-DCB	6,100
Remaining Detected Analytes			
1,2,3-TCB	58 J		

A-ZONE WELL B-ZONE WELL

ALL UNITS IN UG/L.
QUALIFIERS
GC/MS VOA
J – INDICATES AN ESTIMATED VALUE.
E – RESULT EXCEEDED CALIBRATION RANGE.
NS – NOT SAMPLED
T – MS AND/OR MSD RECOVERY IS OUTSIDE ACCEPTANCE LIMITS.
BDL – BELOW DETECTION LIMIT.

NOTES

BASE MAP WAS PREPARED BY NIAGARA BOUNDARY DATED 8/30/01.

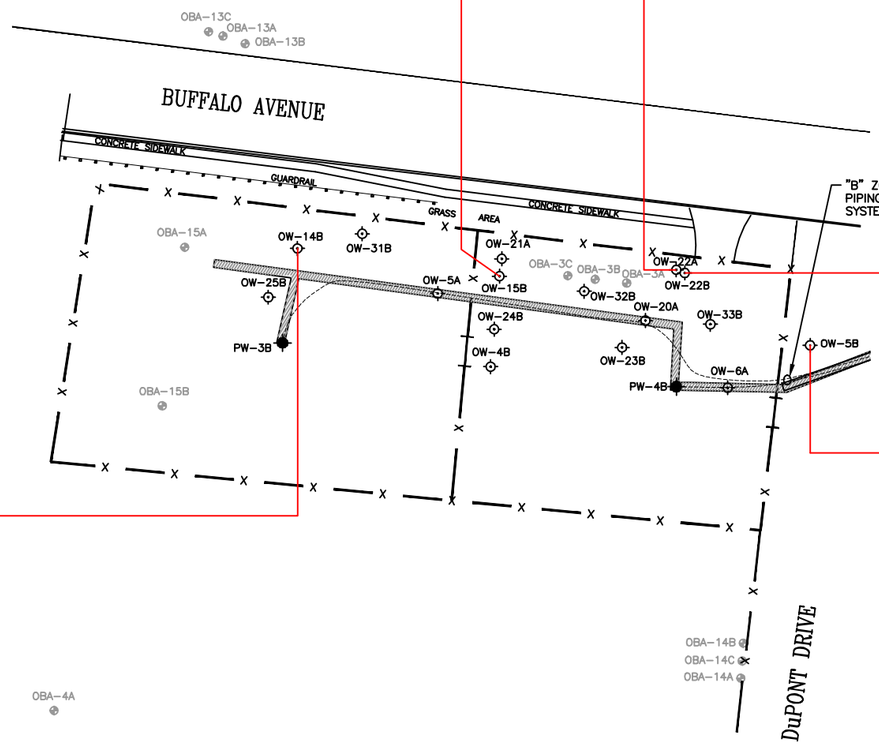
LEGEND

- MH G-2 — SITE STORM SEWER MANHOLE
- MH — CITY UTILITY MANHOLE
- OW-3A — OBSERVATION WELL
- MW-4A — MONITORING WELL
- PW-3B / TW-3A — PRODUCTION WELL/TRENCH WELL
- PZ-01 — PIEZOMETER
- OBA-14B — OLIN CHEMICAL MONITORING WELL
- A-ZONE INTERCEPTOR TRENCH
- FENCE
- GATE

OW-15B			
Total COCs:	1,140		in ug/l
Benzene	71	1,2-DCB	230
CB	320	1,3-DCB	180
1,2,4-TCB	89	1,4-DCB	250
Remaining Detected Analytes			
1,1,2,2-TCA	580	1,1,2-TRI	17 J
1,2,3-TCB	31 J	CHL	200
1,1-DCE	25 J	cis-DCE	3,100
PCE	2,300	trans-DCE	52
TCE	7,500	VC	320

OW-22A			
Total COCs:	BDL		in ug/l
Benzene	BDL	1,2-DCB	BDL
CB	BDL	1,3-DCB	BDL
1,2,4-TCB	BDL	1,4-DCB	BDL
Remaining Detected Analytes			
CHL	42 J		

OW-14B			
Total COCs:	13,660		in ug/l
Benzene	BDL	1,2-DCB	3,400
CB	2,100	1,3-DCB	1,800
1,2,4-TCB	260	1,4-DCB	6,100
Remaining Detected Analytes			
1,2,3-TCB	58 J		



OW-22B			
Total COCs:	112		in ug/l
Benzene	BDL	1,2-DCB	BDL
CB	23	1,3-DCB	34
1,2,4-TCB	22	1,4-DCB	33
Remaining Detected Analytes			
1,1,2,2-TCA	120	CHL	16 J
cis-DCE	840	trans-DCE	20.0
PCE	600	TCE	1600 T
1,2,3-TCB	8.4 J		

OW-5B			
Total COCs:	826		in ug/l
Benzene	81 J	1,2-DCB	140
CB	220	1,3-DCB	130
1,2,4-TCB	65 J	1,4-DCB	190
Remaining Detected Analytes			
1,1,2,2-TCA	520	PCE	3,700
cis-DCE	2,700	TCE	8,900
VC	230	trans-DCE	96
1,1-DCE	42 J		

SEE FIGURE 4-A FOR CONTINUATION OF SITE

TRC
Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
(978) 970-5600

SOLVENT CHEMICAL
NIAGARA FALLS, NEW YORK

FIGURE 4B

SEPTEMBER 12, 2018
GROUNDWATER DETECTED CONTAMINANTS
HOT SPOT

Date: OCTOBER 2018 | Project No. 105146

APPENDIX A

Monthly Flow Tables

DAILY FLOWS
MONITORING STATION MS-1
SHERWOOD FOREST PROPERTIES, LTD
3163 BUFFALO AVENUE, NIAGARA FALLS, NY
SIU PERMIT NO. 55
FOR APRIL 2018

	Totalizer Reading	Daily Flow
Date Time	(Gallons)	(MGD)
4/1/2018 8:00	90511000	
4/2/2018 8:00	90596200	0.0852
4/3/2018 8:00	90681300	0.0851
4/4/2018 8:00	90766900	0.0856
4/5/2018 8:00	90782800	0.0159
4/6/2018 8:00	90869800	0.0870
4/7/2018 8:00	90956700	0.0869
4/8/2018 8:00	91043200	0.0865
4/9/2018 8:00	91129200	0.0860
4/10/2018 8:00	91214400	0.0852
4/11/2018 8:00	91298700	0.0843
4/12/2018 8:00	91372700	0.0740
4/13/2018 8:00	91456300	0.0836
4/14/2018 8:00	91539300	0.0830
4/15/2018 8:00	91621600	0.0823
4/16/2018 8:00	91707800	0.0862
4/17/2018 8:00	91803800	0.0960
4/18/2018 8:00	91873800	0.0700
4/19/2018 8:00	91935200	0.0614
4/20/2018 8:00	92007800	0.0726
4/21/2018 8:00	92067600	0.0598
4/22/2018 8:00	92125700	0.0581
4/23/2018 8:00	92183200	0.0575
4/24/2018 8:00	92253800	0.0706
4/25/2018 8:00	92310000	0.0562
4/26/2018 8:00	92364300	0.0543
4/27/2018 8:00	92440000	0.0757
4/28/2018 8:00	92515500	0.0755
4/29/2018 8:00	92590400	0.0749
4/30/2018 8:00	92664800	0.0744

Total Flow Discharged for Month 2.1538 million gallons

Average Daily Flow 0.07 million gallons

Note:
1) The flow meter is calibrated annually during the maintenance shutdown. The last calibration was conducted on October 18, 2017 by Cold Spring Environmental.

DAILY FLOWS
MONITORING STATION MS-1
SHERWOOD FOREST PROPERTIES, LTD
3163 BUFFALO AVENUE, NIAGARA FALLS, NY
SIU PERMIT NO. 55
FOR AUGUST 2018

	Totalizer Reading	Daily Flow
Date Time	(Gallons)	(MGD)
8/1/2018 8:00	98527300	
8/2/2018 8:00	98571500	0.0442
8/3/2018 8:00	98614700	0.0432
8/4/2018 8:00	98657000	0.0423
8/5/2018 8:00	98698400	0.0414
8/6/2018 8:00	98739300	0.0409
8/7/2018 8:00	98780200	0.0409
8/8/2018 8:00	98793100	0.0129
8/9/2018 8:00	98846900	0.0538
8/10/2018 8:00	98913900	0.0670
8/11/2018 8:00	98986500	0.0726
8/12/2018 8:00	99058700	0.0722
8/13/2018 8:00	99131000	0.0723
8/14/2018 8:00	99203100	0.0721
8/15/2018 8:00	99274800	0.0717
8/16/2018 8:00	99346900	0.0721
8/17/2018 8:00	99419600	0.0727
8/18/2018 8:00	99492400	0.0728
8/19/2018 8:00	99501200	0.0088
8/20/2018 8:00	99501900	0.0007
8/21/2018 8:00	99575500	0.0736
8/22/2018 8:00	99648400	0.0729
8/23/2018 8:00	99720800	0.0724
8/24/2018 8:00	99793000	0.0722
8/25/2018 8:00	99864500	0.0715
8/26/2018 8:00	99936100	0.0716
8/27/2018 8:00	100007600	0.0715
8/28/2018 8:00	100079100	0.0715
8/29/2018 8:00	100150600	0.0715
8/30/2018 8:00	100222500	0.0719
8/31/2018 8:00	100294100	0.0716

Total Flow Discharged for Month 1.7668 million gallons

Average Daily Flow 0.06 million gallons

Note:
1) The flow meter is calibrated annually during the maintenance shutdown. The last calibration was conducted on October 18, 2017 by Cold Spring Environmental.

DAILY FLOWS
MONITORING STATION MS-1
SHERWOOD FOREST PROPERTIES, LTD
3163 BUFFALO AVENUE, NIAGARA FALLS, NY
SIU PERMIT NO. 55
FOR JULY 2018

	Totalizer Reading	Daily Flow
Date Time	(Gallons)	(MGD)
7/1/2018 8:00	96789800	
7/2/2018 8:00	96860000	0.0702
7/3/2018 8:00	96930600	0.0706
7/4/2018 8:00	97000900	0.0703
7/5/2018 8:00	97071400	0.0705
7/6/2018 8:00	97142100	0.0707
7/7/2018 8:00	97213000	0.0709
7/8/2018 8:00	97284800	0.0718
7/9/2018 8:00	97356900	0.0721
7/10/2018 8:00	97428800	0.0719
7/11/2018 8:00	97499400	0.0706
7/12/2018 8:00	97569900	0.0705
7/13/2018 8:00	97618000	0.0481
7/14/2018 8:00	97683800	0.0658
7/15/2018 8:00	97754000	0.0702
7/16/2018 8:00	97824800	0.0708
7/17/2018 8:00	97886500	0.0617
7/18/2018 8:00	97956700	0.0702
7/19/2018 8:00	97988800	0.0321
7/20/2018 8:00	98038700	0.0499
7/21/2018 8:00	98083600	0.0449
7/22/2018 8:00	98129100	0.0455
7/23/2018 8:00	98143400	0.0143
7/24/2018 8:00	98188700	0.0453
7/25/2018 8:00	98233600	0.0449
7/26/2018 8:00	98268800	0.0352
7/27/2018 8:00	98315300	0.0465
7/28/2018 8:00	98359200	0.0439
7/29/2018 8:00	98404800	0.0456
7/30/2018 8:00	98450100	0.0453
7/31/2018 8:00	98493300	0.0432

Total Flow Discharged for Month 1.7035 million gallons

Average Daily Flow 0.06 million gallons

Note:
1) The flow meter is calibrated annually during the maintenance shutdown. The last calibration was conducted on October 18, 2017 by Cold Spring Environmental.

DAILY FLOWS
MONITORING STATION MS-1
SHERWOOD FOREST PROPERTIES, LTD
3163 BUFFALO AVENUE, NIAGARA FALLS, NY
SIU PERMIT NO. 55
FOR JUNE 2018

	Totalizer Reading	Daily Flow
Date Time	(Gallons)	(MGD)
6/1/2018 8:00	94828200	
6/2/2018 8:00	94898300	0.0701
6/3/2018 8:00	94968500	0.0702
6/4/2018 8:00	95038700	0.0702
6/5/2018 8:00	95111300	0.0726
6/6/2018 8:00	95182300	0.0710
6/7/2018 8:00	95253100	0.0708
6/8/2018 8:00	95302600	0.0495
6/9/2018 8:00	95373600	0.0710
6/10/2018 8:00	95439500	0.0659
6/11/2018 8:00	95439500	0.0000
6/12/2018 8:00	95496900	0.0574
6/13/2018 8:00	95568400	0.0715
6/14/2018 8:00	95639600	0.0712
6/15/2018 8:00	95710400	0.0708
6/16/2018 8:00	95780600	0.0702
6/17/2018 8:00	95850400	0.0698
6/18/2018 8:00	95919900	0.0695
6/19/2018 8:00	95990300	0.0704
6/20/2018 8:00	96059600	0.0693
6/21/2018 8:00	96129100	0.0695
6/22/2018 8:00	96193300	0.0642
6/23/2018 8:00	96263100	0.0698
6/24/2018 8:00	96332800	0.0697
6/25/2018 8:00	96402200	0.0694
6/26/2018 8:00	96472300	0.0701
6/27/2018 8:00	96521000	0.0487
6/28/2018 8:00	96578200	0.0572
6/29/2018 8:00	96648900	0.0707
6/30/2018 8:00	96719400	0.0705

Total Flow Discharged for Month 1.8912 million gallons

Average Daily Flow 0.07 million gallons

Note:
1) The flow meter is calibrated annually during the maintenance shutdown. The last calibration was conducted on October 18, 2017 by Cold Spring Environmental.

DAILY FLOWS
MONITORING STATION MS-1
SHERWOOD FOREST PROPERTIES, LTD
3163 BUFFALO AVENUE, NIAGARA FALLS, NY
SIU PERMIT NO. 55
FOR MAY 2018

	Totalizer Reading	Daily Flow
Date Time	(Gallons)	(MGD)
5/1/2018 8:00	92739100	
5/2/2018 8:00	92793400	0.0543
5/3/2018 8:00	92859700	0.0663
5/4/2018 8:00	92933900	0.0742
5/5/2018 8:00	93007600	0.0737
5/6/2018 8:00	93081200	0.0736
5/7/2018 8:00	93154500	0.0733
5/8/2018 8:00	93227000	0.0725
5/9/2018 8:00	93298800	0.0718
5/10/2018 8:00	93371300	0.0725
5/11/2018 8:00	93442500	0.0712
5/12/2018 8:00	93513800	0.0713
5/13/2018 8:00	93584200	0.0704
5/14/2018 8:00	93654500	0.0703
5/15/2018 8:00	93726100	0.0716
5/16/2018 8:00	93796400	0.0703
5/17/2018 8:00	93866800	0.0704
5/18/2018 8:00	93936700	0.0699
5/19/2018 8:00	94006400	0.0697
5/20/2018 8:00	94076000	0.0696
5/21/2018 8:00	94144900	0.0689
5/22/2018 8:00	94215100	0.0702
5/23/2018 8:00	94284100	0.0690
5/24/2018 8:00	94344700	0.0606
5/25/2018 8:00	94401800	0.0571
5/26/2018 8:00	94476300	0.0745
5/27/2018 8:00	94550000	0.0737
5/28/2018 8:00	94621900	0.0719
5/29/2018 8:00	94694500	0.0726
5/30/2018 8:00	94763800	0.0693
5/31/2018 8:00	94766300	0.0025

Total Flow Discharged for Month 2.0272 million gallons

Average Daily Flow 0.07 million gallons

Note:
1) The flow meter is calibrated annually during the maintenance shutdown. The last calibration was conducted on October 18, 2017 by Cold Spring Environmental.

DAILY FLOWS
MONITORING STATION MS-1
SHERWOOD FOREST PROPERTIES, LTD
3163 BUFFALO AVENUE, NIAGARA FALLS, NY
SIU PERMIT NO. 55
FOR SEPTEMBER 2018

	Totalizer Reading	Daily Flow
Date Time	(Gallons)	(MGD)
9/1/2018 8:00	100366100	
9/2/2018 8:00	100438500	0.0724
9/3/2018 8:00	100511100	0.0726
9/4/2018 8:00	100579100	0.0680
9/5/2018 8:00	100652300	0.0732
9/6/2018 8:00	100725400	0.0731
9/7/2018 8:00	100795300	0.0699
9/8/2018 8:00	100848200	0.0529
9/9/2018 8:00	100921600	0.0734
9/10/2018 8:00	100995100	0.0735
9/11/2018 8:00	101068300	0.0732
9/12/2018 8:00	101139500	0.0712
9/13/2018 8:00	101211600	0.0721
9/14/2018 8:00	101283500	0.0719
9/15/2018 8:00	101355000	0.0715
9/16/2018 8:00	101426200	0.0712
9/17/2018 8:00	101497300	0.0711
9/18/2018 8:00	101568300	0.0710
9/19/2018 8:00	101639000	0.0707
9/20/2018 8:00	101710100	0.0711
9/21/2018 8:00	101780500	0.0704
9/22/2018 8:00	101850700	0.0702
9/23/2018 8:00	101920300	0.0696
9/24/2018 8:00	101990100	0.0698
9/25/2018 8:00	102059800	0.0697
9/26/2018 8:00	102068200	0.0084
9/27/2018 8:00	102068200	0.0000
9/28/2018 8:00	102068200	0.0000
9/29/2018 8:00	102068200	0.0000
9/30/2018 8:00	102068200	0.0000

Total Flow Discharged for Month 1.7021 million gallons

Average Daily Flow 0.06 million gallons

Note:
1) The flow meter is calibrated annually during the maintenance shutdown. The last calibration was conducted on October 18, 2017 by Cold Spring Environmental.
2) The annual maintenance shutdown was performed from September 25 to October 2, 2018.

APPENDIX B

POTW 2nd Semi-Annual 2018 Self-Monitoring Report

NIAGARA FALLS WATER BOARD WASTEWATER FACILITIES ENFORCEMENT DIVISION

SELF-MONITORING REPORT
SIGNIFICANT INDUSTRIAL USERS

PERMIT NO. 55

SHERWOOD FOREST PROPERTIES, LTD

The 2nd Semi-Annual Report

of two for 2018

Pursuant to federal pretreatment reporting requirements and the Niagara Falls Water Board Regulations Part 1960, Significant Industrial Users shall submit periodic self-monitoring and compliance reports. Such reports shall be submitted using this form, according to the following schedule:

Semi-Annual: 1st is due by February 28th and the 2nd is due by August 31st

Each section of this report form shall be filled out for those parameters listed in Section "G" of the company's Wastewater Discharge Permit. The analysis results must be reported in both concentration and mass. In addition, the calculated annual average load (lbs/day) for each pollutant shall also be reported.

The samples shall be collected at the monitoring points identified in the user permit. Identification of those points in this report should be as listed on page two (2) of the User Permit.

SELF-MONITORING REPORT
Significant Industrial Users (SIUs)

PAGE 2

PART II of the report is the Compliance Monitoring section. The user is obligated to determine if the analysis results indicates compliance. All violations noted should be brought to the Niagara Falls Water Board – Wastewater Facilities attention immediately upon noting and should also be reported in this section. The analysis result should be compared against all applicable federal, state and local standards and limitations. If no violations are noted then **"NO VIOLATIONS"** should appear on the report.

Pursuant to 40 CFR Part 403.12g of the Federal Standards, all violations noted must be followed up by a sample recollect/analysis and the results submitted to the Niagara Falls Water Board within thirty (30) days of first becoming aware of the violation.

Pursuant to 40 CFR Part 403.12g all Periodic Self-Monitoring Reports must be signed by a "responsible company official" certifying the following statement:

I, certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: 

Title: __Project Manager_____

Date: ___8/31/18_____

PART I

ANALYTICAL RESULTS

SIU PERMIT NO. 55 SHERWOOD FOREST PROPERTIES, LTD

Monitoring Station #1

DATE SAMPLED: _8/16-17/2018_	RESULTS ug/ℓ	/ ug/ℓ	RESULTS lbs/day	/ lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
24-HOUR FLOW IN MGD: 0.073						
BENZENE		22		0.0134		0.014
CARBON TETRACHLORIDE		<10		0.0		0.0
CHLORODIBROMOMETHANE						
MONOCHLOROBENZENE		130		0.0792		0.133
DICHLOROBROMOMETHANE						
CHLOROFORM		98		0.0597		0.068
1,1 – DICHLOROETHYLENE		<17		0.0		0.0
1,2 – DICHLOROETHYLENE		<12		0.0		0.0
BROMOFORM						
ETHYLBENZENE						
1,1,2,2 – TETRACHLOROETHANE		500		0.3046		0.307
TETRACHLOROETHYLENE		190		0.1157		0.181
TOLUENE		<9.1		0.0		0.0
1,1,1 – TRICHLOROETHANE		<7.7		0.0		0.0
1,1,2 – TRICHLOROETHANE		14		0.0085		0.0081
TRICHLOROETHYLENE		1,100		0.6701		0.744
METHYLENE CHLORIDE		<16		0.0		0.0
MONOCHLOROTOLUENES						
MONOCHLOROBENZOTRIFLURIDE						
VINYL CHLORIDE		<15		0.0		0.0
TETRAHYDRAFURAN						
XYLENE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NO. 55 SHERWOOD FOREST PROPERTIES, LTD

Monitoring Station #1

DATE SAMPLED: _8/16-17/2018_	RESULTS ug/ℓ	/ ug/ℓ	RESULTS lbs/day	/ lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
24-HOUR FLOW IN MGD: 0.073						
DIMETHYLPHTHALATE						
BUTYL BENZYL PHTHALATE						
Di-N-BUTHY PHTHALATE						
Di-N-OCTYL PHTHALATE						
DIETHYL PHTHALATE						
NITROSODIPHENYLAMINE						
DICHLOROBENZENES						
DICHLOROTOLUENE						
ACENAPHTHENE						
FLUORANTHENE						
CHRYSENE						
NAPHTHALENE						
BENZO (a) ANTHRACENE						
PYRENE						
TRICHLOROBENZENE		<0.78		0.0		0.0
TRICHLOROTOLUENE						
HEXACHLOROBUTADIENE		<0.95		0.0		0.0
TETRACHLOROBENZENE						
HEXACHLOROCYCLOPENTADIENE						
HEXCHLOROBENZENE						
DICHLOROBENZOTRIFLUORIDE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NO. 55 SHERWOOD FOREST PROPERTIES, LTD

Monitoring Station #1

DATE SAMPLED: _8/16-17/2018__	RESULTS ug/ℓ / ug/ℓ		RESULTS lbs/day / lbs/day		ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
24-HOUR FLOW IN MGD: 0.073						
PHENANTHRENE						
MONOCHLOROPHENOL						
DICHLOROPHENOL						
MONOCHLOROCRESOL						
TRICHLOROPHENOL		<0.95		0.0000		0.001
PENTACHLOROPHENOL						
HEXACHLOROCYCLOHEXANES		8.9		0.0054		0.006
-HEXACHLOROCYCLOHEXANE, alpha		2		0.0012		0.002
-HEXACHLOROCYCLOHEXANE, beta		4		0.0024		0.002
-HEXACHLOROCYCLOHEXANE, gamma		1.2		0.0007		0.001
-HEXACHLOROCYCLOHEXANE, delta		1.7		0.0010		0.001
PCB's						
ENDOSULFAN I + ENDOSULFAN II + ENDOSULFAN SULFATE						
MIREX						
DECHLORANE PLUS						
HEPTACHLOR + HEPTACHLOR EPOXIDE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NO. 55 SHERWOOD FOREST PROPERTIES, LTD

Monitoring Station #1

DATE SAMPLED: 8/16-17/2018	RESULTS ug/ℓ	/ ug/ℓ	RESULTS lbs/day	/ lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
24-HOUR FLOW IN MGD: 0.073						
1,2,4 – TRICHLOROBENZENE		<0.78		0.0		0.0
1,2 – DICHLOROETHANE		<12		0.0		0.0
1,1,1 – TRICHLOROETHANE						
HEXACHLOROETHANE		<0.57		0.0		0.0
1,1 – DICHLOROETHANE						
1,1,2 – TRICHLOROETHANE						
CHLOROETHANE						
1,2 – DICHLOROBENZENE		200		0.1218		0.125
1,3 – DICHLOROBENZENE		64		0.0390		0.045
1,4 – DICHLOROBENZENE		180		0.1097		0.119
1,1 DICHLOROETHYLENE						
1,2 – TRANS-DICHLOROETHYLENE						
1,3 – DICHLOROPROPYLENE						
METHYL CHLORIDE						
NITROBENZENE						
2 – NITROPHENOL						
4 – NITROPHENOL						
4,6 DINITRO-O-CRESOL						
BIS [2 – ETHYHEXYL] PHTHALATE						
ANTHRACENE						
DIETHYL PHTHALATE						
FLUORENE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NO. 55 SHERWOOD FOREST PROPERTIES, LTD

Monitoring Station #1

DATE SAMPLED: _8/16-17/2018_	RESULTS ug/ℓ	/ ug/ℓ	RESULTS lbs/day	/ lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
24-HOUR FLOW IN MGD: 0.073						
1,2 - DICHLOROPROPANE						
VINYL CHLORIDE						
ACENAPHTHENE						
BENZENE						
CARBON TETRACHLORIDE						
CHLOROBENZENE						
HEXACHLOROBENZENE						
CHLOROFORM						
ETHYLBENZENE						
FLUORANTHENE						
METHYLENE CHLORIDE						
HEXACHLOROBUTADIEN						
NAPHTHALENE DI – N – BUTHYL PHTHALATE						
DIMETHYL PHTHALATE						
PHENANTHRENE						
PYRENE						
TRACHLOROETHYLENE						
TOLUENE						
TRICHLOROETHYLENE						
TOTAL CYANIDE		100		0.0609		0.066
TOTAL LEAD						
TOTAL ZINC						

PART I

ANALYTICAL RESULTS

SIU PERMIT NO. 55 SHERWOOD FOREST PROPERTIES, LTD

Monitoring Station #1

DATE SAMPLED: ___/___/_____	RESULTS ug/ℓ	/ ug/ℓ	RESULTS lbs/day	/ lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
24-HOUR FLOW IN MGD						
TOTAL SUSPENDED SOLIDS						
SOLUABLE ORGANIC CARBON						
TOTAL PHOSPHOROUS						
TOTAL PHENOL						
OIL and GREASE						
CADMIUM						
CHROMIUM						
COPPER						
LEAD						
MERCURY						
NICKEL						
ZINC						
ARSENIC						
BERYLLIUM						
BARIUM						
TOTAL CYANIDE						
pH (STANDARD UNITS)						
RESIDUAL CHLORINE						
TOTAL SODIUM CHLORIDE						
TOTAL AMMONIA						
DIETHYLENE GLYCOL						

PART II

COMPLIANCE MONITORING

SIU PERMIT NO. 55 SHERWOOD FOREST PROPERTIES, LTD

Monitoring Station #1

NO VIOLATIONS

VIOLATION PARAMETER	DATE	FLOW [MGD]	SAMPLE POINT LOCATION	ACTUAL* DISCHARGE	PERMIT LIMIT	TYPE** LIMIT VIOLATED

NOTE:

* - Actual discharge – list actual analytical results and appropriate units.

** - Type Limit Violated – List Type:

A.A. = Annual Average

D.M. = Daily Maximum

L.L. = Local Limits (Regulation 1960.5)

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228
Phone: 716.691.2600 Fax: 716.691.7991

Chain of Custody Record

285794

TestAmerica
THE LEADER IN ENVIRONMENTAL
TestAmerica L

480-140538 COC

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: MIKE PLUMB	Site Contact: JOHN GOLBA	Date: 8/17/18	COC No:
Company Name: TRC ENVIRONMENTAL	Tel/Fax: 978-656-3589	Lab Contact: MELISSA DEY	Carrier:	of
Address: 650 SUFFOLK ST.	Analysis Turnaround Time			Sampler:
City/State/Zip: LOWELL, MA 01854	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 978-656-3589	TAT if different from Below: _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: NIAGARA FALLS SOLVENT SITE	X 1 week			
Site:	~~X~~ 2 days			Job / SDG No.:
PO# NY05-384	☐ 1 day			

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (Aqueous Water)	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	ICE	624	625	608	TOTAL CYANIDE	Sample Specific Notes:
1	EFFLUENT (2-40 MIL VOA)	8/16/18	10:00 AM		✓				✓	✓				ALL CONTAINERS
	EFFLUENT (2-40 MIL VOA)	8/16/18	3:00 PM		✓				✓	✓				STORED IN ON SITE
	EFFLUENT (2-40 MIL VOA)	8/16/18	8:30 PM		✓				✓	✓				REFRIGERATOR
	EFFLUENT (2-40 MIL VOA	8/17/18	6:30 AM		✓				✓	✓				
														FRIDGE TEMP 3°C
2	EFFLUENT (2-1 LITER AMBER)	8/16/18 8/17/18	8:00 AM 8:00 AM		✓				✓		✓			
3	EFFLUENT (2-1 LITER AMBER)	8/16/18 8/17/18	8:00 AM 8:00 AM		✓				✓			✓		
4	EFFLUENT (1-250 MIL PLASTIC)	8/16/18 8/17/18	8:00 AM 8:00 AM		✓				✓				✓	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B X Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client X Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
TEST AND SEND TO MR. MIKE PLUMB

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 2.0 Corr'd: _____ | Therm ID No.: #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
JOHN A. GOLBA	TRC ENV.	8/17/18 0845		TAP	8-17-18 0845
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

8/31/2018

APPENDIX C

Operation and Maintenance Forms

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17841

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
4/23/18			TRC ENV	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 4/23													
2. J. GOLBA	F	2											
3. 4/24													
4. J. GOLBA	F	2											
5. 4/25													
6. J. GOLBA	F	8											
7. J. GARA	J	8											
8. 4/26													
9. J. GOLBA	F	2											
10. 4/27													
11. J. GOLBA	F	2											
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	16		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
1	ROUSTABOUT	1		OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE O&M

4/25 REPLACED AND CLEANED PW-2B WELL & PUMP.

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE 4/27/18 DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17842

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
4/30/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 4/30													
2. J. GOLBA	F	2											
3. 5/1													
4. J. GOLBA	F	8											
5. J. GARA	J	8											
6. 5/2													
7. J. GOLBA	F	4											
8. J. GARA	J	4											
9. 5/3													
10. J. GOLBA	F	2											
11. 5/4													
12. J. GOLBA	F	2											
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	18		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE O&M
5/1 - 5/2 MONTHLY TASKS & REPAIRED WELL 6C.

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE 5/4/18 DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17161

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
9/10/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 9/10													
2. J. GOLBA	F	2											
3. 9/11													
4. J. GOLBA	F	2											
5. 9/12													
6. J. GOLBA	F	2											
7. 9/13													
8. J. GOLBA	F	2											
9. 9/14													
10. J. GOLBA	F	2											
11.													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	10		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

HOME DEPOT #10528
(BOILER PARTS)

WORK LOG

- SITE O&M
- CITY WATER SAMPLE ON 9/11

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE 9/14/18

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17162

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
9/17/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 9/17													
2. J. GOCBA	F	2											
3. 9/18													
4. J. GOCBA	F	2											
5. 9/19													
6. J. GOCBA	F	2											
7. 9/20													
8. J. GOCBA	F	2											
9. 9/21													
10. J. GOCBA	F	2											
11.													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	10		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE OFW.

SUB CONTRACTORS

John L. Hollo 9/21/18
CONTRACT SUPERVISOR SIGNATURE DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17832

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
3/26/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 3/26													
2. J. GULBA	F	2											
3. 3/27													
4. J. GULBA	F	2											
5. 3/28													
6. J. GULBA	F	8											
7. J. GARA	J	8											
8. 3/29													
9. J. GULBA	F	2											
10. 3/30													
11. J. GULBA	F	2											
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	16		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE O&M

3/28 MONTHLY TASKS.

SUB CONTRACTORS

John D Gulba 3/29/18
CONTRACT SUPERVISOR SIGNATURE DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17831

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
4/2/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 4/2													
2. J. GULBA	F	2											
3. 4/3													
4. J. GULBA	F	2											
5. 4/4													
6. J. GULBA	F	2											
7. 4/5													
8. J. GULBA	F	2											
9. 4/6													
10. J. GULBA	F	2											
11.													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	10		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

HOME DEPOT #2975 $48.55

WORK LOG

SITE OFF.

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — 4/6/18 — DATE

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17829

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
4/9/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 4/9													
2. J. GALBA	F	2											
3. 4/10													
4. J. GALBA	F	2											
5. 4/11													
6. J. GALBA	F	7											
7. J. GARA	J	7											
8. 4/12													
9. J. GALBA	F	2											
10. 4/13													
11. J. GALBA	F	2											
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	13		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
1	ROUSTABOUT	1		OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

DAILY O&M

4/10 INSTALLED THE NEW PUMP INSIDE WELL 3B ON THE OLIN SITE.

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — 4/13/18 DATE

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17712

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
4/16/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME TL	STRAIGHT TIME HRS	STRAIGHT TIME RATE	STRAIGHT TIME AMOUNT	TH OVERTIME HRS	TH OVERTIME RATE	TH OVERTIME AMOUNT	DB OVERTIME HRS	DB OVERTIME RATE	DB OVERTIME AMOUNT	MEALS QTY.	MEALS RATE	MEALS AMOUNT
1. 4/16													
2. J. GOLBA	F	4											
3. 4/17													
4. J. GOLBA	F	2											
5. 4/18													
6. J. GOLBA	F	2											
7. 4/19													
8. J. GOLBA	F	2											
9. 4/20													
10. J. GOLBA	F	2											
11.													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	12		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
1	OTHER BACKFLOW	1		OTHER	
	OTHER TESTER			OTHER	

MATERIAL

WORK LOG

DAILY SITE O&M

4/16 CLEANED & PERFORMED THE YEARLY BACKFLOW TESTING FOR THE NIAGARA FALLS WATER DEPT.

SUB CONTRACTORS

John D. [illegible] 4/20/18
CONTRACT SUPERVISOR SIGNATURE DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17893

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
5/7/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 5/7													
2. J. GULSA	F	2											
3. 5/8													
4. J. GULSA	F	2											
5. 5/9													
6. J. GULSA	F	2											
7. 5/10													
8. J. GULSA	F	2											
9. 5/11													
10. J. GULSA	F	2											
11.													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	10		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

DAILY O&M

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — 5/11/18 — DATE

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17894

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
5/14/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 5/14													
2. J. GOLBA	F	2											
3. 5/15													
4. J. GOLBA	F	2											
5. 5/16													
6. J. GOLBA	F	2											
7. 5/17													
8. J. GOLBA	F	2											
9. 5/18													
10. J. GOLBA	F	2											
11.													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	10		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

DAILY O & M

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE 5/18/18

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17911

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
5/21/18			TRC ENV.	SOLVENT S/TE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 5/21													
2. J. GOLBA	F	2											
3. 5/22													
4. J. GOLBA	F	2											
5. 5/23													
6. J. GOLBA	F	8											
7. J. GARA	F	8											
8. 5/24													
9. J. GOLBA	F	8											
10. J. GARA	F	8											
11. 5/25													
12. J. GOLBA	F	2											
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK		22	4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
2	ROUSTABOUT	2		OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE O&M
5/23-5/24 REPAIRED & CLEANED SB & 7B WELL PUMPS & CLEANED THE STEAM PUMP WITH A LOT of WATER & REPAIRED THE 401 PUMP 2" PIPING

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE 5/25/18 DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17912

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
5/28/18			TRC ENV.	SOWENT SITE

NAME	STRAIGHT TIME TL	STRAIGHT TIME HRS	STRAIGHT TIME RATE	STRAIGHT TIME AMOUNT	TH OVERTIME HRS	TH OVERTIME RATE	TH OVERTIME AMOUNT	DB OVERTIME HRS	DB OVERTIME RATE	DB OVERTIME AMOUNT	MEALS QTY.	MEALS RATE	MEALS AMOUNT
1. 5/28													
2. J. GOLBA	F	2											
3. 5/29													
4. J. GOLBA	F	2											
5. 5/30													
6. J. GOLBA	F	8											
7. J. AMERETTI	J	8											
8. 5/31													
9. J. GOLBA	F	8											
10. J. AMERETTI	J	8											
11. 6/1													
12. J. GOLBA	F	2											
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	22		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

LAKES #1 PE#57634

WORK LOG

SITE O&M.

PERFORMED THE MONTHLY TASKS & STARTED REPAIRS ON STEAM PIPING, TANKS, 2" SCH. 80 PVC PIPE, CHECK VALVES & METERS

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17914

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
6/4/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 6/4													
2. J. GOLBA	F	2											
3. 6/5													
4. J. GOLBA	F	2											
5. 6/6													
6. J. GOLBA	F	2											
7. J. GARA	J	4											
8. 6/7													
9. J. GOLBA	F	4											
10. J. GARA	J	4											
11. 6/8													
12. J. GARA	F	3											
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	15		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

LOCK CITY # 117420

WORK LOG

SITE OEM
6/6 WENT & PICKED UP THE 2B METER PARTS AND INSTALLED IT.
6/7 WORKED ON PUMP 2B & INSTALLED ACID TREAT IN 2B WELL
6/8 INSTALLED NEW 2B COVER SWITCH

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE

FIELD INSPECTOR SIGNATURE — 6/8/18 — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17913

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
6/11/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 6/11													
2. J. GALBA	F	8											
3. J. GARA	V	8											
4. 6/12													
5. J. GALBA	F	8											
6. 6/13													
7. J. GALBA	F	2											
8. 6/14													
9. J. GARA	F	2											
10. 6/15													
11. J. GALBA	F	2											
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	16		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
1	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE O&M
6/11 REMOVED, CLEANED, REPAIRED 2P PUMP & CLEAN THE WELL & SEPERATER & THE LEVEL SWITCH.

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17928

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
6/18/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 6/18													
2. J. GOLBA	F	2											
3. 6/19													
4. J. GOLBA	F	2											
5. 6/20													
6. J. GOLBA	F	2											
7. 6/21													
8. J. GOLBA	F	8											
9. J. GARA	J	8											
10. 6/22													
11. J. GOLBA	F	2											
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	16		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
1	ROUSTABOUT			OTHER	1
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE OEM
6/21 REPAIRED & INSTALLED A NEW PUMP IN 6B AND HAD TO REPAIR THE PIPING COMING UP FROM THE PUMP.

SUB CONTRACTORS

John Golba 6/22/18
CONTRACT SUPERVISOR SIGNATURE DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17929

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
6/25/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 6/25													
2. J. GOLBA	F	2											
3. 6/26													
4. J. GOLBA	F	2											
5. 6/27													
6. J. GOLBA	F	8											
7. J. AMORETTI	J	8											
8. 6/28													
9. J. GOLBA	F	8											
10. J. AMORETTI	J	8											
11. 6/29													
12. J. GOLBA	F	2											
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	20		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE OEM

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE 6/29/18 DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17930

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
7/2/18			TRC ENV.	SAWAT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 7/2													
2. J. GOLBA	F	2											
3. 7/3													
4. J. GOLBA	F	2											
5. 7/4													
6. J. GOLBA	F	2											
7. 7/5													
8. J. GOLBA	F	2											
9. 7/6													
10. J. GOLBA	F	2											
11.													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	10		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE OFF

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — 7/6/18 DATE

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17931

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
7/9/10			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 7/9													
2. J. GOLBA	F	2											
3. 7/10													
4. J. GOLBA	F	2											
5. 7/11													
6. J. GOLBA	F	6											
7. J. GARA	J	6											
8. 7/12													
9. J. GOLBA	F	8											
10. J. GARA	J	8											
11. 7/13													
12. J. GARA	F	3											
13. N. SHULTZ	J	3											

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	2.5		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE OEM
CITY WATER TOOK SAMPLE ON 7/9
7/11 TO 7/13 WORKED ON 1A, 2A & 3A [redacted] PUMPS & LEVEL SWITCH'S. ALL NOT WORKING & VERY DIRTY

SUB CONTRACTORS

AND THE AIR PIPE & TANK VALVES HAD TO BE CLEANED. THE DIRT & MUD IS GETTING INSIDE ALL THE TIME NOW

CONTRACT SUPERVISOR SIGNATURE — DATE 7/13/10

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17717

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
7/16/18			TRC ENV.	SOLVENT S/T

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 7/16													
2. J. GALBA	F	4											
3. J. GARA	J	4											
4. 7/17													
5. J. GALBA	F	2											
6. 7/18													
7. J. GALBA	F	2											
8. D. NAUS	J	2											
9. 7/19													
10. J. GALBA	F	3											
11. D. NAUS	J	1											
12. 7/20													
13. J. GALBA	F	2											

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	13		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE O & M
7/16 COMPLETED 4A
7/18 MEASURED A-ZONE WATER
CHECK AZONE ELECTRICAL
7/19 SYSTEM DOWN, CLEANED
TNE LEVEL SWITCHES ON MAK
& CLACK ON ELECTRICAL PROBLEM

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE 7/20/18

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17932

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
7/23/18			TRC, ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 7/23													
2. J. GOLBA	F	3											
3. 7/24													
4. J. GOLBA	F	2											
5. 7/25													
6. J. GOLBA	F	8											
7. J. GARA	J	8											
8. 7/26													
9. J. GOLBA	F	2											
10. 7/27													
11. J. GOLBA	F	4											
12. D. NAUS	J	1											
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	19		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
1	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE O&M
7/23 SYSTEM DOWN & MEASURING WELL WATER 2B, 3B, 8B
7/25 PULLED OUT & REPAIRED 2B PUMP, METERS & TANK VALVES
7/26 CITY WATER GUYS HERE.
7/27 WORKING ON 2B PUMP & ELECTRICAL.

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE 7/27/18

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17968

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
7/30/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 7/30													
2. J. GALBA	F	2											
3. 7/31													
4. J. GALBA	F	2											
5. 8/1													
6. J. GALBA	F	8											
7. J. AMORETTI	J	8											
8. 8/2													
9. J. GALBA	F	2											
10. 8/3													
11. J. GALBA	F	2											
12. D. VACS	E	2											
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	16		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE O&M
8/1 PERFORMED THE MONTHLY TASKS
8/3 ME & DAVE VACS WORKING ON 2B ELECTRICAL PROBLEM.

SUB CONTRACTORS

John S. Galba 8/3/18
CONTRACT SUPERVISOR SIGNATURE DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17969

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
8/6/12			TRC ENV	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 8/6													
2. J. GORBA	F	2											
3. D. NAUS	E	1											
4. 8/7													
5. J. GORBA	F	8											
6. J. GARA	J	8											
7. 8/8													
8. J. GARA	F	3											
9. J. GORBA	F	2											
10. 8/9													
11. J. GARA	E	5											
12. J. LEHMAN	J	5											
13. J. GORBA 8/10	F	2											

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	20		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
1	ROUSTABOUT	1		OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE O&M
8/7 REWORKED 5B PUMP & MOTOR & 2B LEVAL SWITCH.
8/8 WORKED ON 2B CONECTIONS WITH CHRIS RUDZINSKI
8/9 REPLACED 2B PUMP & MOTOR & CHANGED THE LEVER INDICATOR ON 1A

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE 8/10

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17951

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
8/13/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 8/13													
2. J. GOLBA	F	2											
3. 8/14													
4. J. GOLBA	F	2											
5. 8/15													
6. J. GOLBA	F	5											
7. 8/16													
8. J. GOLBA	F	6			1								
9. 8/17													
10. J. GOLBA	F	4											
11.													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	19		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE O&M

8/15 WORKED FOR THE CITY WATER GETTING SAMPLES 10 AM, 4:30 PM, 6 AM & 10 AM

8/16 WORKED ON THE TRC SAMPLES AND PICKING UP & DELIVERING IT TO TEST AMERICA IN AMHERST.

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17952

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
8/20/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 8/20													
2. J. GOLBA	F	2											
3. 8/21													
4. J. GOLBA	F	2											
5. 8/22													
6. J. GOLBA	F	2											
7. 8/23													
8. J. GOLBA	F	3											
9. 8/24													
10. J. GOLBA	F	2											
11.													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	11		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE O&M

8/23 INSTALLED THE POB'S INTO THE THREE F-ZONE WELLS. AND CITY WATER CAME FOR WATER SAMPLE.

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17159

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
8/27/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 8/27													
2. J. GOLBA	F	2											
3. 8/28													
4. J. GOLBA	F	2											
5. 8/29													
6. J. GOLBA	F	2											
7. 8/30													
8. J. GOLBA	F	2											
9. 8/31													
10. J. GOLBA	F	2											
11.													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	10		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE OEM

SUB CONTRACTORS

John L. Golba 8/31/18
CONTRACT SUPERVISOR SIGNATURE DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17160

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
9/3/18			TRC ENV.	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 9/3													
2. J. GELMA	F	2											
3. 9/4													
4. J. GELMA	F	2											
5. 9/5													
6. J. GELMA	F	2											
7. 9/6													
8. J. GELMA	F	8											
9. J. LEHMANN	J	8											
10. 9/7													
11. J. GELMA	F	2											
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	16		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SITE OF M
9/6 PERFORMED THE
MONTHLY TASKS FOR
AUGUST.

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE 9/7/18

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17163

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
9/24/18			TRC	SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 9/24													
2. J. GOLBA	F	2											
3. 9/25													
4. J. GOLBA	F	4											
5. J. GARA	F	8											
6. J. LEHMAN	J	8											
7. 9/26													
8. J. GOLBA	F	4											
9. J. GARH	F	8											
10. J. LEHMAN	J	8											
11. J. AMORETTI	J	8											
12. N. SHUCTZ	J	8											
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	18		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
1	OTHER SCAFFOLD			OTHER	
	OTHER (2 WEEKS)			OTHER	

MATERIAL

WORK LOG

- DID O&M ON MONDAY
- STARTED THE YEARLY TWO WEEK SHUTDOWN REPAIRS ON TUES.
- 9/26 WORKING ON TANKS AND TWO MEN INSTALLING THE SCAFFOLDS UP TO THE CEILING.

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE 9/26/18

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17164

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
9/27/18			TRC ENV.	SOLVENT SITE

9/27 NAME	STRAIGHT TIME TL	HRS	RATE	AMOUNT	TH OVERTIME HRS	RATE	AMOUNT	DB OVERTIME HRS	RATE	AMOUNT	18 MEALS QTY.	RATE	AMOUNT
1. T. GOLBA	F	4											
2. J. GARA	F	8											
3. J. LAHMAN	J	8											
4. 9/28													
5. J. GOLBA	F	8											
6. J. LAHMAN	J	8											
7. 9/29													
8. J. GOLBA	F	8											
9. J. GARA	J	8											W
10.													
11.													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	24		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER			EXTRUSION GUN	
	PRESTOLITE TORCH			4400 GENERATOR	
	CUTTING TORCH			6300 GENERATOR	
	HELI ARC			SAFETY HARNESS	
	TFE FLAIR TOOL			RETRIEVAL DEVICE	
	PIPE MACHINE			HILTI HAMMER DRILL	
	CHAIN FALLS			AIR COMPRESSOR	
	COME ALONG			GAS TRASH PUMP	
	PORTO BAND SAW			PLASTIC WELD GUN	
	CORE BORE MACHINE			14" CUTOFF SAW	
	BREATHING AIR			CHAIN PIPE CUTTER	
	HYDRASTIC TEST PUMP			LASER GUN	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

NIAGARA SUPPLY #L-2210
SCHAEFER #5153/800
HOME DEPOT # 75538
AIR COMPRESSOR SERVICE # 1077
BOILER SUPPLIES # 8832

WORK LOG

TWO WEEK SHUTDOWN
TEXTED ALL PICTURES OF THE WORK
I ORDERED AND PICKED UP ALL THE PARTS WE NEEDED.

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE DATE

FIELD INSPECTOR SIGNATURE DATE

HEALTH AND SAFTEY AND EMERGENCY ACTION PLAN INSPECTION LOG
SOLVENT CHEMICAL SITE
NIAGARA FALLS, NEW YORK

TRC

Lauren Hopp + Harrison Corbett
Inspector (Printed)

9/13/18
Date

Inspection Item	Y(yes)/N(no)/ NI(not inspected)[1]	Action Required? Y(yes)/N(no)[2]	SUMMARY OF ACTION TAKEN (date completed)[3]
Main Gate: Is the physical address of the site posted on the Main Gate?	Y		
Is the Fire Department Alert Tag (Alert No. 2738) present on the Main Gate?	Y		
Entry Doors 1, 2 & 3: Are the signs "Danger Unauthorized Personnel Keep Out" in-place and legible?	Y		
Entry Doors 2 & 3: Are the signs "Caution Hearing Protection Required" in-place and legible?	Y		
Is the security/alarm control panel operational and in-use?	Y		
Is the current version of the Health and Safety and Emergency Action Plan Posted in the Treatment Building?	Y		
Is the wall mounted tag-out holder present and sufficiently equipped?			
Are the fire extinguishers present as illustrated on the attached Site Plan and readily accessible?	Y		
Are the fire extinguishers fully charged?	Y		
Are spill kits present as illustrated on the attached Site Plan and readily accessible?	Y		
Are spill kits fully equipped?	Y		
Is the first aid kit present as illustrated on the attached Site Plan and readily accessible?	Y		
Is the first aid kit fully equipped?	Y		
Is the eyewash station fully equipped and within it use lifespan?	N	Y	No eyewash spray present
Is the Emergency Shower sign present and legible?	N	Y	No shower fitting
Is the Emergency Shower area readily accessible from the acid drum storage area?	Y		
Emergency Shower: Is there corrosion, leaks, or pipe damage? If yes, do not perform flow test (see 2).	N		

HEALTH AND SAFTEY AND EMERGENCY ACTION PLAN INSPECTION LOG
SOLVENT CHEMICAL SITE
NIAGARA FALLS, NEW YORK

DESCRIPTION	*Y(yes)/N(no)/ NI(not inspected)* [1]	*ACTION REQUIRED? Y(yes)/N(no)* [2]	*SUMMARY OF ACTION TAKEN (date completed)* [3]
Emergency Shower Test: Disable floor sump alarm. Does the hands free stay-open valve activate in one-second or less? Does the shower deliver at least 3 gpm? Stop test. Discharge water as needed. Enable floor sump alarm.	NI		
Are acid drums closed and stored within secondary containment?	Y		
Is the acid neutralizer pail (5 gal.) present and fully equipped?	NI Y		
Is the floor label "Authorized Personnel Only" at the clean zone border present and legible?	Y		
Is the satellite storage drum (XP Building) labeled for contents and dated with an accumulation start date?	Y		
Is the lid to the satellite storage drum securely closed?	Y N	Y	No lid present, needs aild, currently open
Is the 600 gallon hazardous waste tank labeled for contents and dated with an accumulation start date?	Y		
Are the markings "Confined Space" present and legible on all covers of the extraction well sumps?	Y		
OTHER ITEMS:			

Notes:

Inspector Signature

1. Provide reason item was not inspected i.e. snow cover, ice, no access, etc.
2. Notify Mike Plumb if answer is yes - (978) 656-3589
3. Locate any damage on the attached Site Plan
4. Fax completed inspection form to Attn: Mike Plumb - (978) 453-1995.

QUARTERLY SITE INSPECTION LOG
SOLVENT CHEMICAL SITE
NIAGARA FALLS, NEW YORK

Date: 9/13/18 Inspector: Lauren Hoff

DESCRIPTION	*Y(yes)/N(no)/ NI(not inspected)* [1]	*ACTION REQUIRED? Y(yes)/N(no)* [2]	*TYPE AND LOCATION OF ACTION/REPAIR* [3]	*DATE ACTION/REPAIR COMPLETED*
Front gate closed and locked?	Y			
Is there corrosion/damage to front gate/lock?	N			
Is there damage to the perimeter fence?	N			
Back gate closed and locked?	Y			
Is there corrosion/damage to back gate/lock?	N			
Any bare areas (absent of vegetation) on Site?	N			
Any eroded areas visually evident and in need of repair?	N			
Any damage to trench well enclosures?	N			
Any damage to gravel access road (i.e. excessive potholes or washed out areas)?	N			
Any damage to monitoring/observation wells?	Y	Y	some wells need lids repaired	
Any damage to pumping well manholes?	N			
Any damage to electrical handholes?	N			
Is there any damage to Building or exterior lighting?	N			
OTHER ITEMS:				

Notes:

1. Provide reason item was not inspected i.e. snow cover, ice, no access, etc.
2. Notify Mike Plumb if answer is yes - (978) 656-3589
3. Locate any damage on the attached Site Plan
4. Fax completed inspection form to Attn: Mike Plumb - (978) 453-1995.

BUILDING STRUCTURE

QUARTERLY SITE INSPECTION LOG
SOLVENT CHEMICAL SITE
NIAGARA FALLS, NEW YORK

Date: 9/13/18 Inspector: Lauren V. Beppa

DESCRIPTION	*Y(yes)/N(no)/ NI(not inspected)* [1]	*ACTION REQUIRED? Y(yes)/N(no)* [2]	*TYPE AND LOCATION OF ACTION/REPAIR* [3]	*DATE ACTION/REPAIR COMPLETED*
Exterior				
Any damage to the building exterior?	N			
Western mandoor locked?	Y			
Southern mandoor locked?	Y			
Garage doors locked?	Y			
Any damage to exterior lighting on building?	N			
Any damage to entrance/parking lot lighting?	N			
Any exterior light bulbs burnt out?	N			
Any damage to paved driveway?	N			
Any damage to the enclosure on the NW side of building?	N			
Any damage to the Condenser on the NW side of building?	N			

BUILDING STRUCTURE

QUARTERLY SITE INSPECTION LOG
SOLVENT CHEMICAL SITE
NIAGARA FALLS, NEW YORK

DESCRIPTION	*Y(yes)/N(no)/ NI(not inspected)* [1]	*ACTION REQUIRED? Y(yes)/N(no)* [2]	*TYPE AND LOCATION OF ACTION/REPAIR* [3]	*DATE ACTION/REPAIR COMPLETED*
Interior				
Any damage to the building interior?	N			
Any interior light bulbs burnt out?	N			
Any water in the sumps?	Y			
Any water on the floor?[4]	N			
Any signs of wear of the epoxy coating on the floor?[4]	N			

Notes:

1. Provide reason item was not inspected i.e. snow cover, ice, no access, etc.
2. Notify Mike Plumb if answer is yes - (978) 656-3589
3. Locate any damage on the attached Site Plan
4. Note location and areal extend on the attached building floor plan
4. Fax completed inspection form to Attn: Mike Plumb - (978) 453-1995.

SITE LANDSCAPE

QUARTERLY SITE INSPECTION LOG
SOLVENT CHEMICAL SITE
NIAGARA FALLS, NEW YORK

Date: 9/13/18 Inspector: Lauren V. Hopp

DESCRIPTION	*Y(yes)/N(no)/ NI(not inspected)* [1]	*ACTION REQUIRED? Y(yes)/N(no)* [2]	*TYPE AND LOCATION OF ACTION/REPAIR* [3]	*DATE ACTION/REPAIR COMPLETED*
Any bare areas (absent of vegetation) on Site?	N			
Any eroded areas visually evident and in need of repair?	N			
Any damage to trench well enclosures?	N			
Any damage to gravel access road (i.e. excessive potholes or washed out areas)?	N			
Any damage to monitoring/observation wells?	Y	Y	Some wells need lids repaired	
Any damage to pumping well manholes?	N			

SITE LANDSCAPE

QUARTERLY SITE INSPECTION LOG
SOLVENT CHEMICAL SITE
NIAGARA FALLS, NEW YORK

DESCRIPTION	*Y(yes)/N(no)/ NI(not inspected)* [1]	*ACTION REQUIRED? Y(yes)/N(no)* [2]	*TYPE AND LOCATION OF ACTION/REPAIR* [3]	*DATE ACTION/REPAIR COMPLETED*
Any damage to electrical handholes?	N/			

Notes:

1. Provide reason item was not inspected i.e. snow cover, ice, no access, etc.
2. Notify Mike Plumb if answer is yes - (978) 656-3589
3. Locate any damage on the attached Site Plan
4. Estimate areal extent and depth of water; indicate area on attached Site Plan
5. Fax completed inspection form to Attn: Mike Plumb - (978) 453-1995.

QUARTERLY STORMWATER MANAGEMENT STRUCTURE INSPECTION LOG
SOLVENT CHEMICAL SITE
NIAGARA FALLS, NEW YORK

Date: 9/13/18 Inspector: Lauren V. Rapp

DESCRIPTION	*Y(yes)/N(no)/ NI(not inspected)* [1]	*ACTION REQUIRED? Y(yes)/N(no)* [2]	*TYPE AND LOCATION OF ACTION/REPAIR* [3]	*DATE ACTION/REPAIR COMPLETED*
Any damage to combined inlet (CI) F-2 or F-3?	N			
Is geotextile blocked at CI F-2 or CI-F-3?	N			
Any damage to drop inlets (DI) F-1 or F-4?	N			
Is geotextile blocked at DI F-1 or F-4?	N			
Any damage to DI E-2?	N			
Is geotextile blocked at DI E-2?	N			
Any damage to drop inlets (DI) north or south (located between access road and Stockpile 3)?	N			
Is geotextile blocked at DI north or south?	N			
Any damage to manhole (MH) G-2 or G-3?	N			
Any ponded water onsite? If yes, any evidence of mosquito larvae?[6]	N			

Notes:

1. Provide reason item was not inspected i.e. snow cover, ice, no access, etc.
2. Notify Mike Plumb if answer is yes - (978) 656-3589
3. Locate any damage on the attached Site Plan
4. Estimate areal extent and depth of water; indicate area on attached Site Plan
5. Fax completed inspection form to Attn: Mike Plumb - (978) 453-1995.
6. Area will be rechecked in two weeks

SOLVENT CHEMICAL - NAPL CHECK

	Location	Date	Time	DNAPL Evident?	Depth to Groundwater (ft)	Depth to Product (ft)	Product Thickness (feet)	Total Depth (feet)	Notes:
Day 1									
	OW-10A	9/11/2018	10:33	No	Dry	N/A	N/A	8.13	
	OW-17A	9/11/2018	10:34	No	Dry	N/A	N/A	10.19	
	OW-26A	9/11/2018	10:37	No	Dry	N/A	N/A	13.13	
1	**OW-26B**	9/11/2018	10:45	No	23.78	N/A	N/A	24.40	PDB not fully submerged in water
	PW-6B	9/11/2018	10:30	No	26.16	N/A	N/A	28.13	
	PW-8B	9/11/2018	10:26	No	24.76	N/A	N/A	31.98	
2	**OW-30B**	9/11/2018	10:57	No	20.36	N/A	N/A	22.42	PDB not fully submerged in water
3	**MW-5A**	9/11/2018	11:11	No	10.76	N/A	N/A	11.71	
	MW-5B	9/11/2018	11:01	No	Dry	N/A	N/A	21.97	
4	**MW-5C**	9/11/2018	11:05	No	25.97	N/A	N/A	34.90	
5	**MW-5CD**	9/11/2018	11:15	No	24.85	N/A	N/A	53.57	
6	**MW-5F**	9/11/2018	10:46	No	14.92	N/A	N/A	100.71	
7	**OW-12B**	9/11/2018	11:24	No	24.08	N/A	N/A	25.09	Filled 2 VOAs
8	**OW-9A**	9/11/2018	11:29	No	13.01	N/A	N/A	15.52	Filled 2 VOAs
	OW-27A	9/11/2018	11:39	No	9.49	N/A	N/A	12.65	
9	**OW-27B**	9/11/2018	11:41	No	18.73	N/A	N/A	23.52	
10	**OW-16A**	9/11/2018	11:48	No	10.39	N/A	N/A	13.34	
11	**OW-13B**	9/11/2018	11:54	No	18.46	N/A	N/A	27.82	
	OW-8A	9/11/2018	11:58	Yes	10.84	10.84	0.01	13.73	Sheen on top of water

SOLVENT CHEMICAL - NAPL CHECK

	Location	Date	Time	DNAPL Evident?	Depth to Groundwater (ft)	Depth to Product (ft)	Product Thickness (feet)	Total Depth (feet)	Notes:
	PW-7B	9/11/2018	12:00	No	17.49	N/A	N/A	26.40	

SOLVENT CHEMICAL - NAPL CHECK

	Location	Date	Time	DNAPL Evident?	Depth to Groundwater (ft)	Depth to Product (ft)	Product Thickness (feet)	Total Depth (feet)	Notes:
12	**OW-29B**	9/11/2018	14:17	No	13.86	N/A	N/A	21.05	
13	**OW-15A**	9/11/2018	14:26	No	9.01	N/A	N/A	10.25	
14	**OW-28B**	9/11/2018	14:34	No	13.69	N/A	N/A	13.59	
15	**MW-4C**	9/11/2018	14:21	No	28.07	N/A	N/A	41.96	
	OW-2B	9/11/2018	14:08	No	19.87	N/A	N/A	29.50	
	OW-7A	9/11/2018	13:58	No	11.71	N/A	N/A	12.25	
	PW-2B	9/11/2018	14:02	No	18.58	N/A	N/A	21.50	
	TW-1A	9/11/2018	14:14	No	8.76	N/A	N/A	13.19	
16	**MW-4B**	9/11/2018	13:54	No	17.40	N/A	N/A	25.50	
	OW-3B	9/11/2018	13:50	No	16.45	N/A	N/A	24.99	
	MW-1A	9/11/2018	15:52	No	9.80	N/A	N/A	9.82	
17	**MW-1B**	9/11/2018	15:58	No	9.80	N/A	N/A	18.80	
18	**MW-1C**	9/11/2018	16:08	No	14.96	N/A	N/A	42.63	
19	**MW-1CD**	9/11/2018	15:48	No	16.06	N/A	N/A	56.60	
20	**MW-1F**	9/11/2018	9:12	No	13.98	N/A	N/A	95.31	Weight broke off tether
	TW-2A	9/11/2018	15:13	No	8.33	N/A	N/A	13.62	
	TW-3A	9/11/2018	16:12	No	14.42	N/A	N/A	16.49	
	TW-4A	9/11/2018	16:47	No	12.89	N/A	N/A	16.95	
	TW-5A	9/11/2018	17:07	No	7.00	N/A	N/A	10:56	

SOLVENT CHEMICAL - NAPL CHECK

	Location	Date	Time	DNAPL Evident?	Depth to Groundwater (ft)	Depth to Product (ft)	Product Thickness (feet)	Total Depth (feet)	Notes:
	PW-5B	9/11/2018	11:36	No	25.32	N/A	N/A	26.60	

SOLVENT CHEMICAL - NAPL CHECK

	Location	Date	Time	DNAPL Evident?	Depth to Groundwater (ft)	Depth to Product (ft)	Product Thickness (feet)	Total Depth (feet)	Notes:
	Day 2								
21	**OW-14B**	9/12/2018	12:50	No	14.19	N/A	N/A	20.29	
	OW-31B	9/12/2018	12:45	No	13.21	N/A	N/A	20.65	
	OW-25B	9/12/2018	12:52	No	14.08	N/A	N/A	21.04	
	PW-3B	9/12/2018	12:32	No	19.16	N/A	N/A	25.49	
	OW-5A	9/12/2018	12:35	No	Dry	N/A	N/A	12.37	
	OW-21A	9/12/2018	12:15	No	Dry	N/A	N/A	10.93	
22	**OW-15B**	9/12/2018	12:14	No	12.96	N/A	N/A	20.74	
	OW-24B	9/12/2018	12:11	No	13.59	N/A	N/A	22.19	
	OW-4B	9/12/2018	12:21	No	13.63	N/A	N/A	20.73	
	OW-32B	9/12/2018	12:07	No	13.31	N/A	N/A	20.84	
23	**OW-22A**	9/12/2018	11:28	No	12.52	N/A	N/A	13.01	PDB not fully submerged in water
24	**OW-22B**	9/12/2018	11:32	No	14.32	N/A	N/A	24.85	
	OW-20A	9/12/2018	12:03	No	Dry	N/A	N/A	12.82	
	OW-23B	9/12/2018	12:01	No	13.12	N/A	N/A	22.46	
	OW-33B	9/12/2018	11:44	No	12.87	N/A	N/A	21.30	
	PW-4B	9/12/2018	11:17	No	14.33	N/A	N/A	24.95	
	OW-6A	9/12/2018	11:13	No	10.46	N/A	N/A	12.39	
25	**OW-5B**	9/12/2018	11:10	No	12.04	N/A	N/A	21.00	

SOLVENT CHEMICAL - NAPL CHECK

	Location	Date	Time	DNAPL Evident?	Depth to Groundwater (ft)	Depth to Product (ft)	Product Thickness (feet)	Total Depth (feet)	Notes:
26	**OW-6B**	9/12/2018	13:08	No	12.34	N/A	N/A	25.24	
27	**OW-7B**	9/12/2018	13:15	No	26.76	N/A	N/A	27.06	PDB not fully submerged in water
28	**OW-8B**	9/12/2018	13:30	No	23.64	N/A	N/A	27.02	
29	**OW-12A**	9/11/2018	15:25	No	12.20	N/A	N/A	14.79	
	OW-1A	9/11/2018	16:15	No	7.98	N/A	N/A	9.77	
	OW-1B	9/11/2018	16:16	No	13.94	N/A	N/A	16.03	
	OW-13A	9/11/2018	16:22	No	14.69	N/A	N/A	15.49	
30	**OW-10B**	9/13/2018	16:34	No	15.54	N/A	N/A	24.90	
	PZ-01	9/11/2018	16:18	No	Dry	N/A	N/A	11.35	
	PZ-02	9/11/2018	16:29	No	Dry	N/A	N/A	11.1	
	PZ-03	9/11/2018	16:25	No	11.04	N/A	N/A	11.29	
	PZ-04	9/11/2018	16:31	No	Dry	N/A	N/A	10.34	
31	**MW-2A**	9/13/2018	16:40	No	12.72	N/A	N/A	13.45	

SOLVENT CHEMICAL - NAPL CHECK

	Location	Date	Time	DNAPL Evident?	Depth to Groundwater (ft)	Depth to Product (ft)	Product Thickness (feet)	Total Depth (feet)	Notes:
	Day 3								
	OW-19A	9/11/2018	16:50	No	9.73	N/A	N/A	14.69	
32	**OW-18A**	9/13/2018	16:54	No	12.08	N/A	N/A	19.60	
33	**OW-18B**	9/11/2018	16:56	No	N/A	N/A	N/A	N/A	Obstruction 18.61
	OW-14A	9/11/2018	16:58	No	13.53	N/A	N/A	14.86	
34	**OW-11B**	9/13/2018	17:02	No	15.15	N/A	N/A	23.46	
35	**OW-29A**	9/13/2018	17:12	No	10.25	N/A	N/A	12.79	
	MW-6A	9/11/2018	17:20	No	10.75	N/A	N/A	13.39	Tether stuck in well
36	**MW-6B**	9/13/2018	17:22	No	17.46	N/A	N/A	19.21	
	MW-6CD	9/11/2018	17:15	No	19.54	N/A	N/A	21.70	
37	**MW-6F**	9/13/2018	10:31	No	15.98	N/A	N/A	94.37	
38	**MW-6C**	9/11/2018	17:16	No	25.89	N/A	N/A	22.02	No PDB installed
	OW-11A	9/11/2018	16:53	Yes	12.58	15.12	0.63	15.75	
	MW-2B	9/11/2018	16:36	No	14.50	N/A	N/A	24.80	
	PW-1B	9/11/2018	16:24	No	15.05	N/A	N/A	26.11	

Notes:

12 **MW-6F** Well to be sampled

Olin well

Historical NAPL

All water levels are measured from the top of riser

APPENDIX D

PDB Sampling Logs

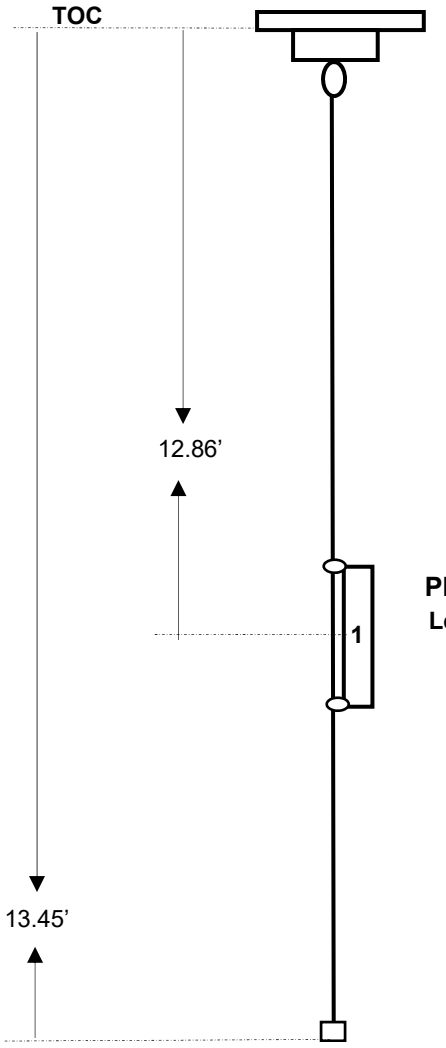
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: MW-2A

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/07/2018
Time: 08:45
DTW (ft): 6.62

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/ H. Corbett
Date: 09/13/2018
DTW (ft): 12.72



PDB
Length: 12"

Sample #: MW-2A
Sample Time: 09:32
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 13.45 ft.

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

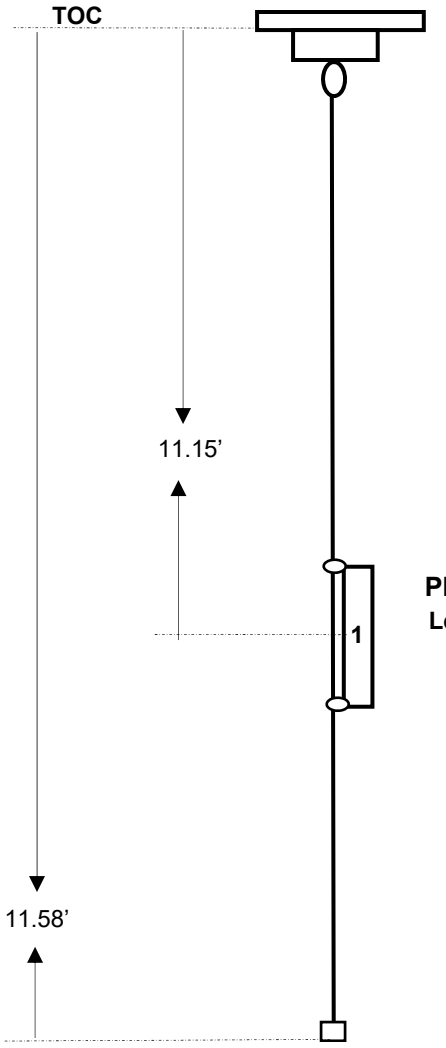
Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: MW-5A

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 3/06/2018
Time: 10:20
DTW (ft): 8.66

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 10.76



PDB
Length: 12"

Sample #: MW-5A
Sample Time: 11:11
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 11.70

Field Notes (Installation):

Field Notes (Sampling):

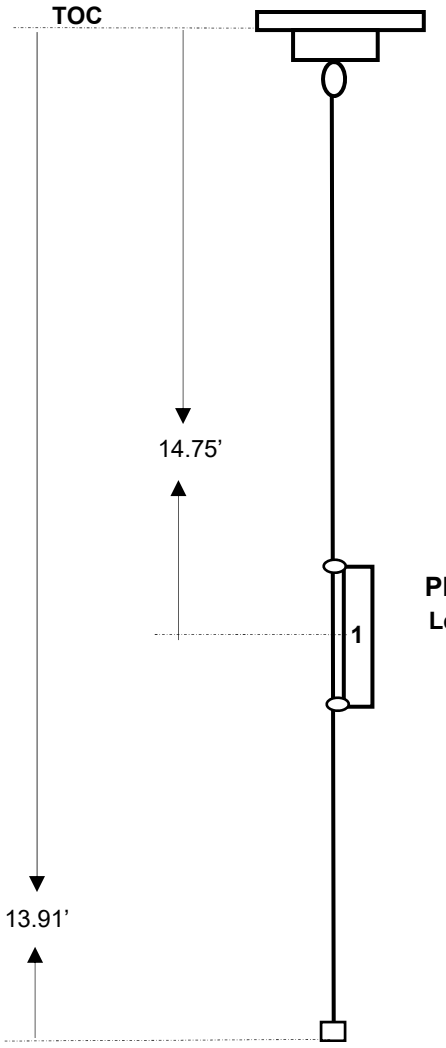
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-9A

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/06/2018
Time: 10:40
DTW (ft): 11.88

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 13.01



PDB Length: 12"

Sample #: OW-9A
Sample Time: 11:35
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 15.52 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

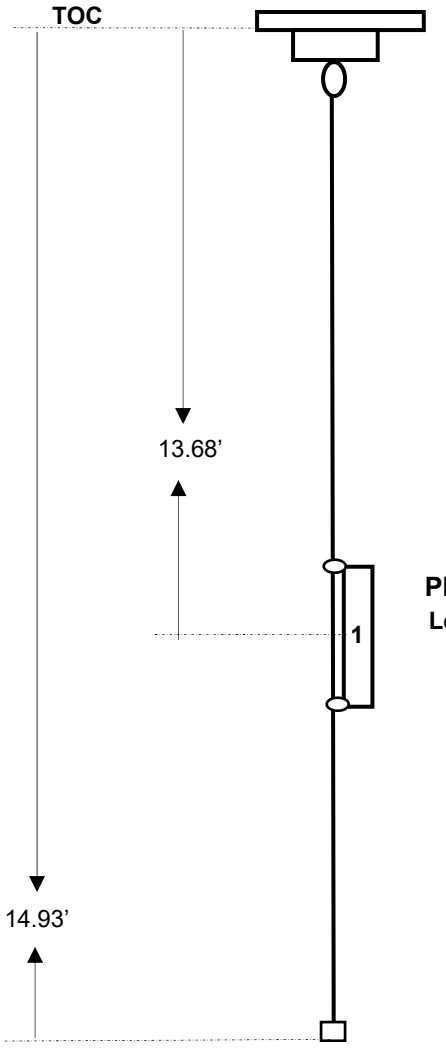
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-12A

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/06/2018
Time: 12:50
DTW (ft): 10.80

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 12.20



PDB Length: 12"

Sample #: OW-12A
Sample Time: 15:26
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 14.79 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

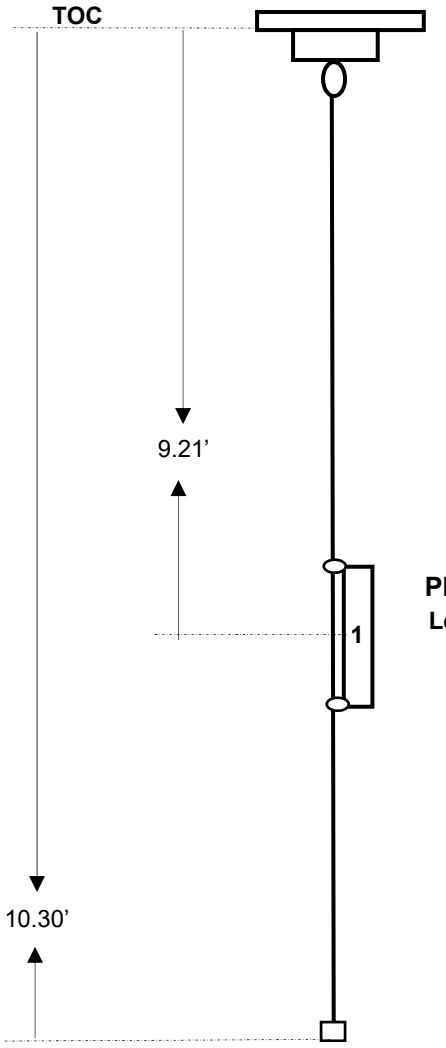
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-15A

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/06/2018
Time: 13:55
DTW (ft): 5.72

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 9.01



PDB Length: 12"

Sample #: OW-15A
Sample Time: 14:26
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 10.25 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

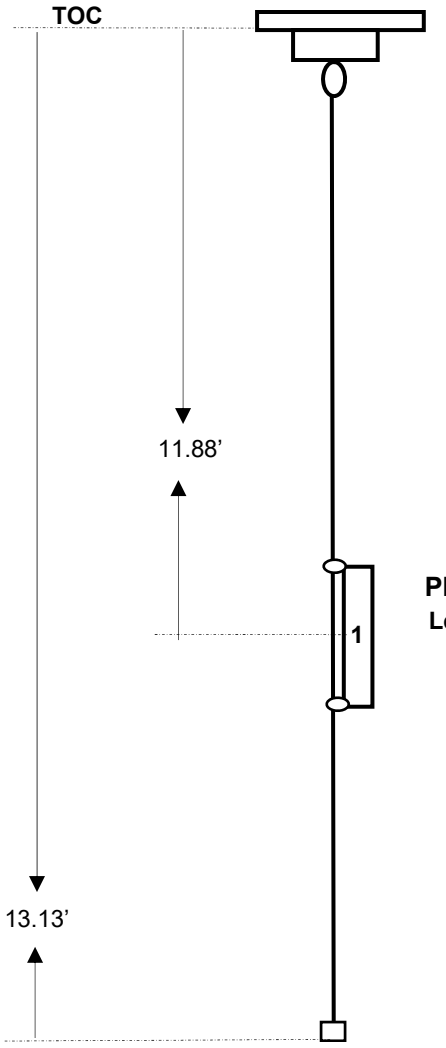
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-16A

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/06/2018
Time: 11:40
DTW (ft): 7.10

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 10.39



PDB Length: 12"

Sample #: OW-16A
Sample Time: 11:52
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 13.34 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

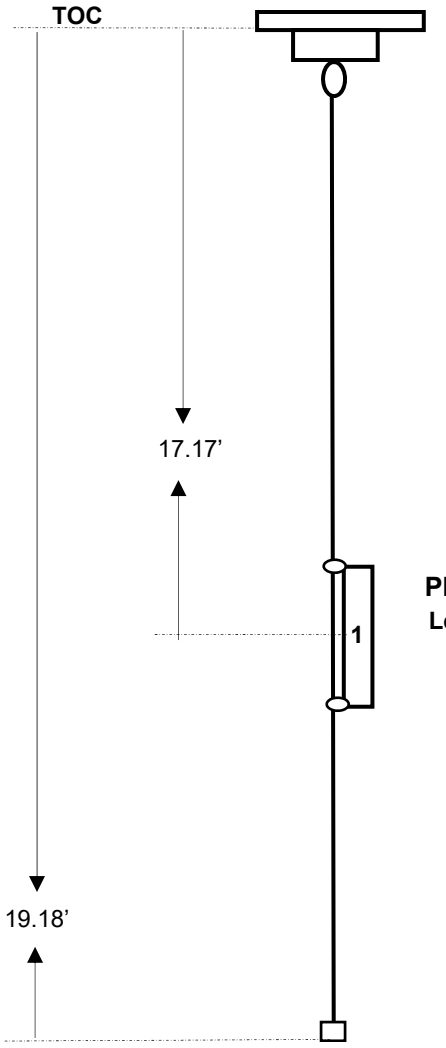
Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-18A

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/07/2018
Time: 09:05
DTW (ft): 9.53

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/13/2018
DTW (ft): 12.08



PDB Length: 24"

Collect MS/MSD 9 VOA vials

Sample #: OW-18A
Sample Time: 09:50
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 19.60 ft

Field Notes (Installation): .

Field Notes (Sampling):

Collect MS/MSD.

Rev: Sept. 2007

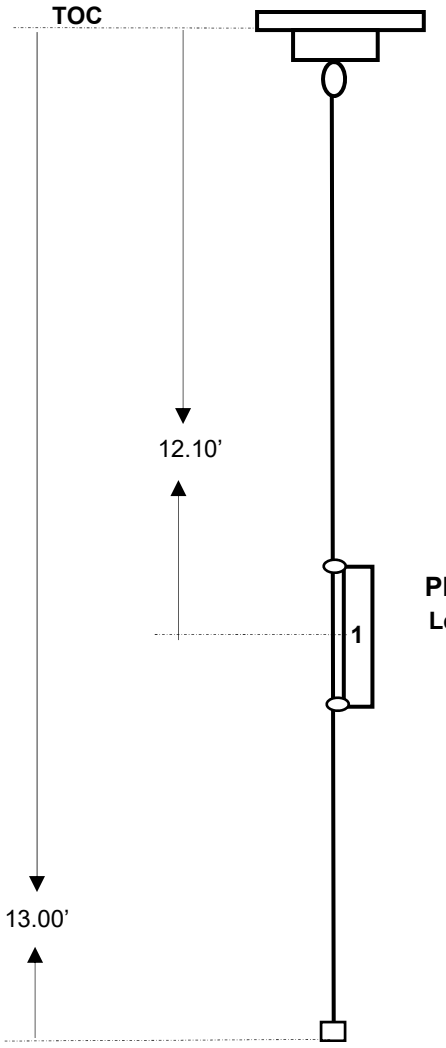
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-22A

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/08/2018
Time: 09:35
DTW (ft): 6.83

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/12/2018
DTW (ft): 12.52



PDB Length: 12"

Sample #: OW-22A
Sample Time: 11:28
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 13.01 ft

Field Notes (Installation):

Field Notes (Sampling):

PDB not fully submerged in water

Rev: Sept. 2007

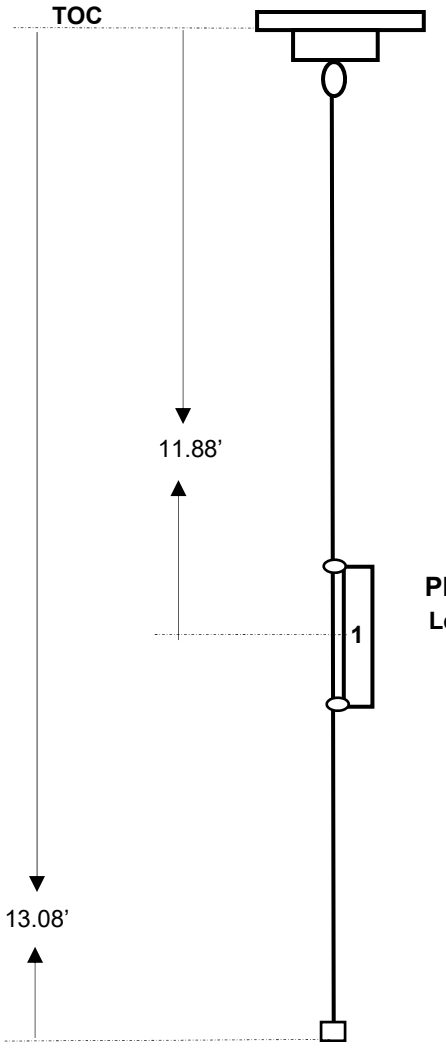
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-29A

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/07/2018
Time: 09:42
DTW (ft): 7.59

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/13/2018
DTW (ft): 10.25



PDB Length: 12"

Sample #: OW-29A
Sample Time: 10:18
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 12.79 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: MW-1B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett

Date: 03/06/2018

Time: 13:15

DTW (ft): 8.17

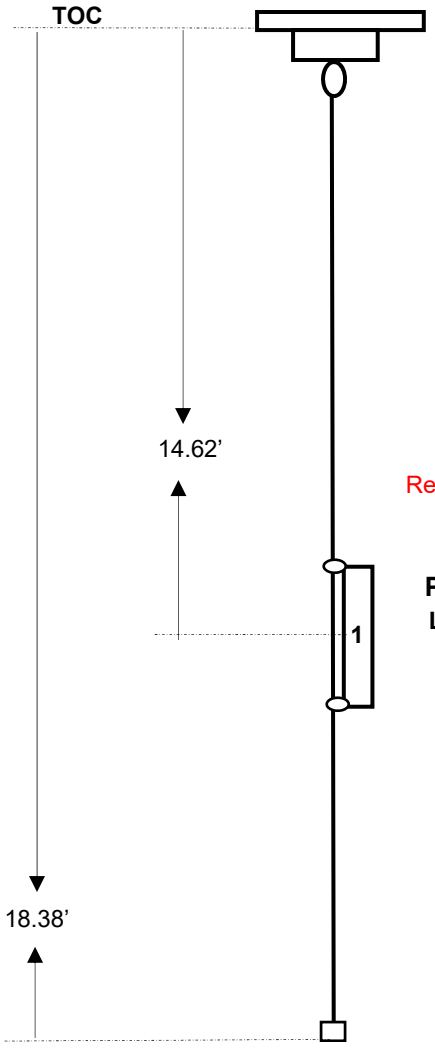
Sampling of PDBs:

Month: 09 **2018** **GW Sampling Round**

TRC Personnel: L. Hopp/H. Corbett

Date: 09/11/2018

DTW (ft): 9.80



Red PDB

PDB Length: 18"

Sample #: MW-1B

Sample Time: 15:58

Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 18.80 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

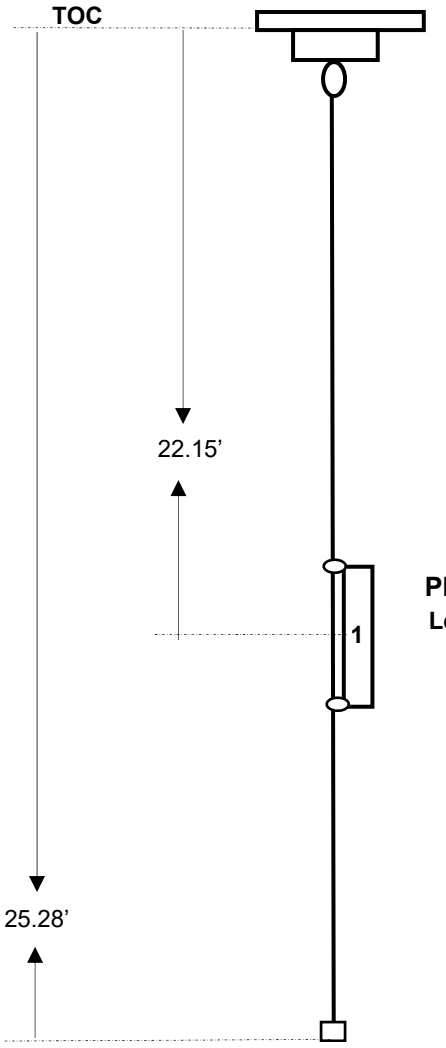
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: MW-4B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/06/2018
Time: 12:30
DTW (ft): 18.12

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 17.40



PDB Length: 18"

Sample #: MW-4B
Sample Time: 13:55
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 25.50 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

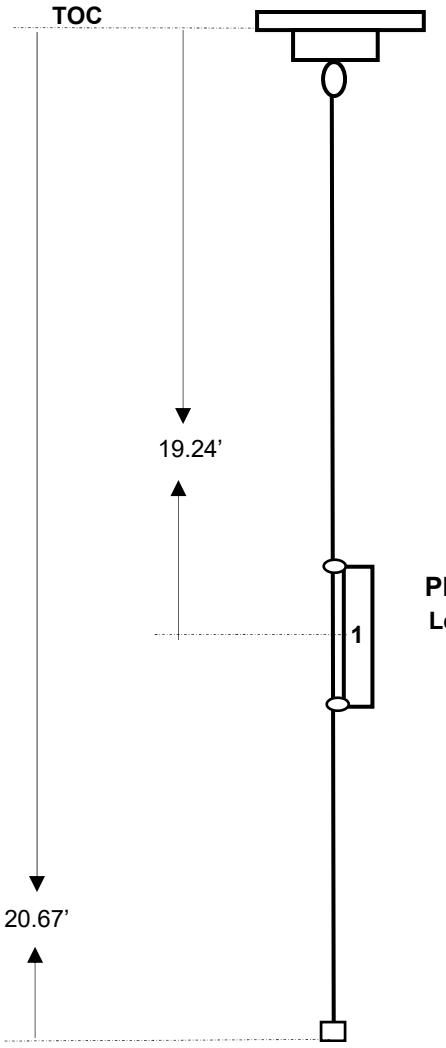
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: MW-6B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/07/2018
Time: 10:10
DTW (ft): 16.70

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/13/2018
DTW (ft): 17.46



PDB Length: 18"

Sample #: MW-6B
Sample Time: 10:25
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 19.21 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

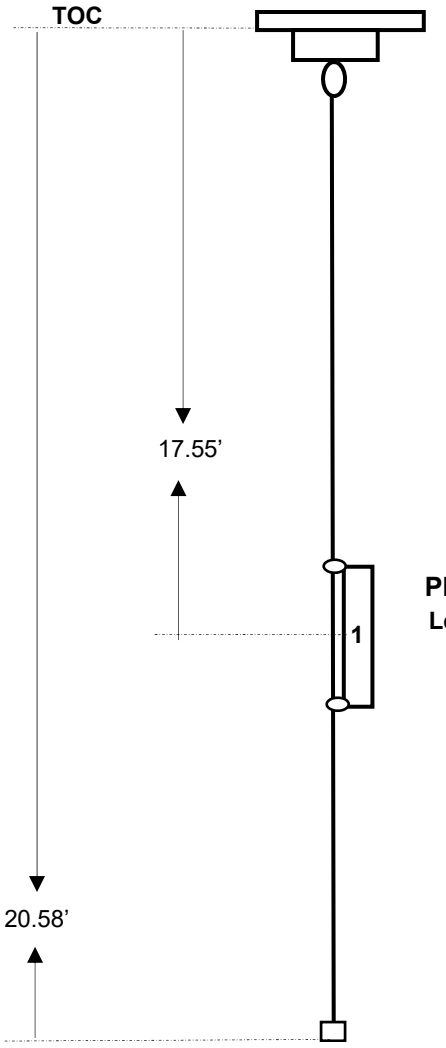
Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-5B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/08/2018
Time: 10:40
DTW (ft): 12.09

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/12/2018
DTW (ft): 12.04



PDB Length: 18"

Duplicate Sample: OW-115B

Sample #: OW-5B
Sample Time: 11:11
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 21.00 ft

Field Notes (Installation):

Field Notes (Sampling):

DUP Sample Time: 10:11

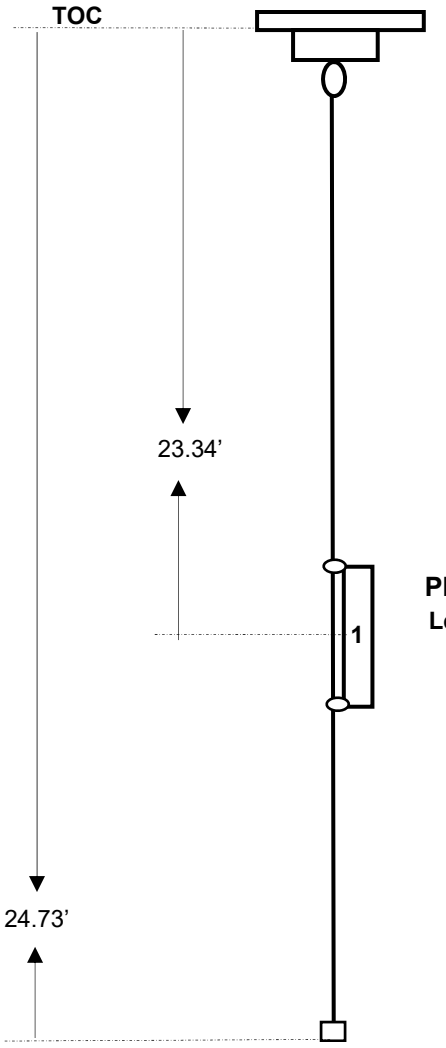
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-6B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/08/2018
Time: 12:40
DTW (ft): 20.35

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/12/2018
DTW (ft): 12.34



PDB Length: 18"

Sample #: OW-6B
Sample Time: 13:08
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 25.24 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

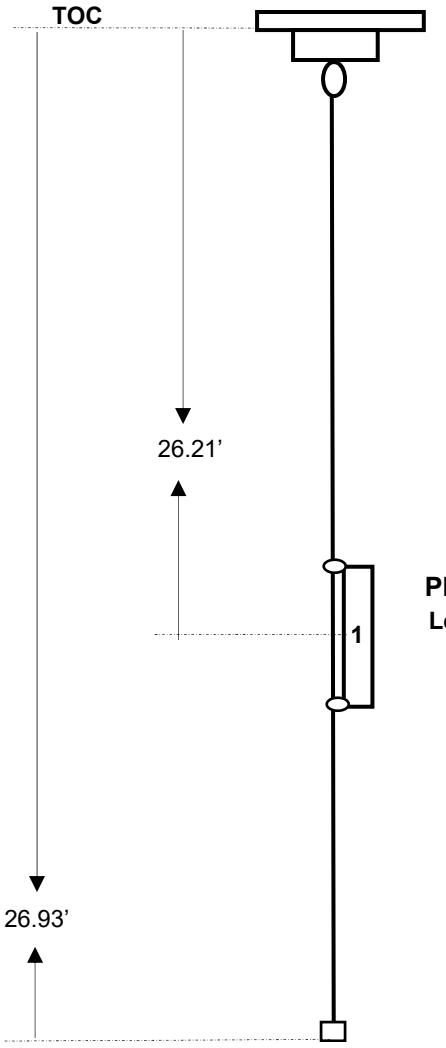
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-7B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/08/2018
Time: 12:45
DTW (ft): Dry

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/12/2018
DTW (ft): 26.76



PDB Length: 12"

Sample #: OW-7B
Sample Time: 13:15
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 27.07 ft

Field Notes (Installation):

Field Notes (Sampling):

PDB not fully submerged in water

Rev: Sept. 2007

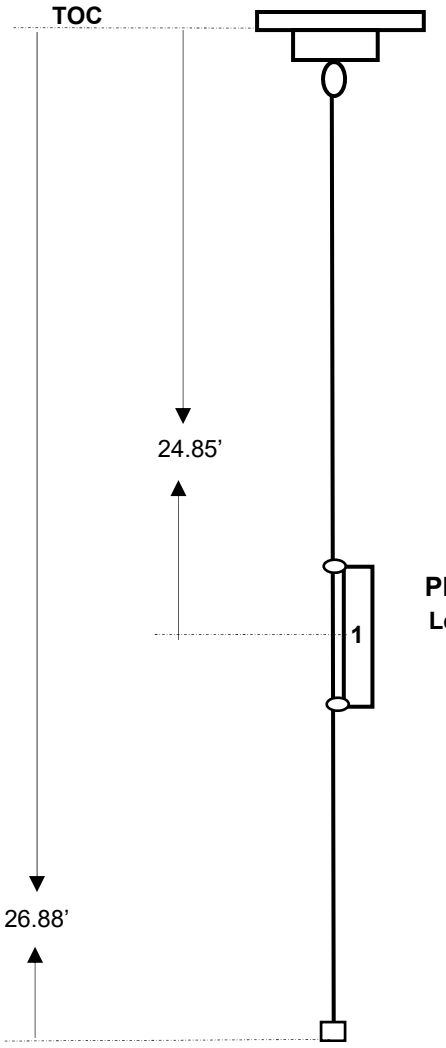
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-8B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/08/2018
Time: 12:50
DTW (ft): 23.58

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/12/2018
DTW (ft): 23.64



PDB Length: 18"

Sample #: OW-8B
Sample Time: 13:30
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 27.02 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-10B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett

Date: 03/08/2018

Time: 08:30

DTW (ft): 15.18

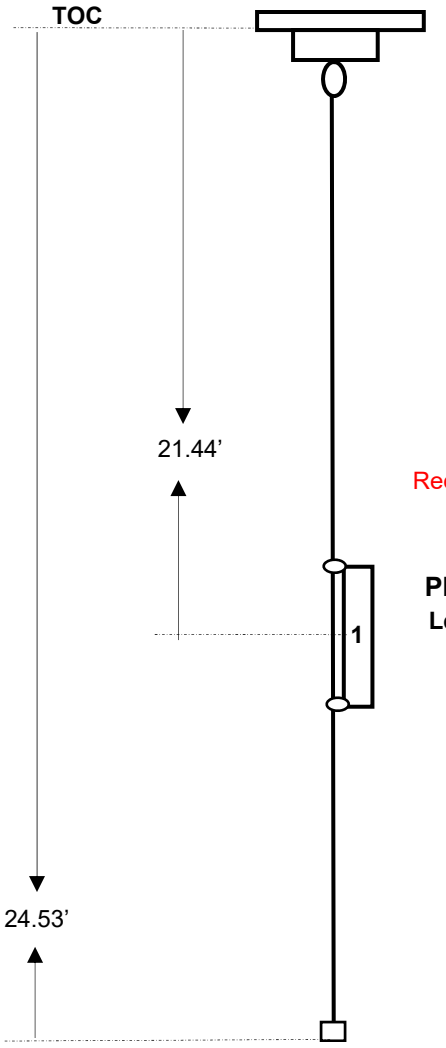
Sampling of PDBs:

Month: 09 **2018** **GW Sampling Round**

TRC Personnel: L. Hopp/H. Corbett

Date: 09/13/2018

DTW (ft): 15.54



Red PDB

PDB Length: 18"

Sample #: OW-10B

Sample Time: 09:25

Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 24.90 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

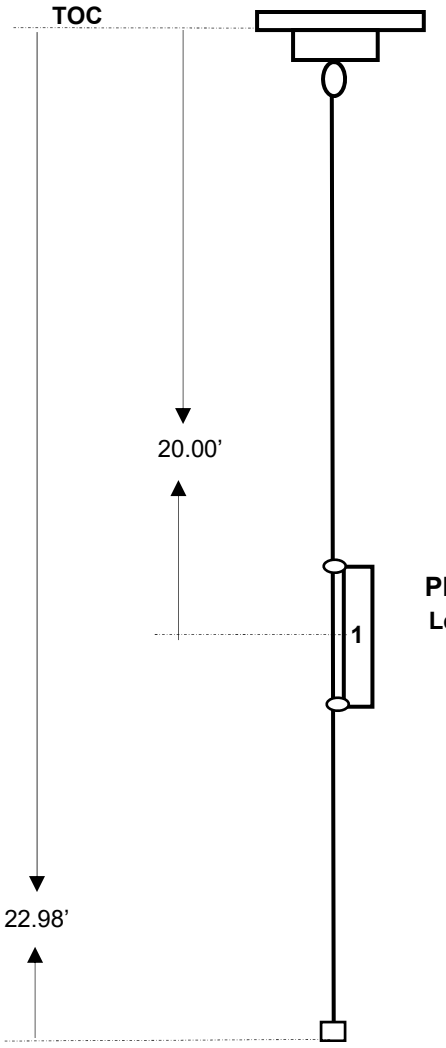
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-11B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/07/2018
Time: 09:35
DTW (ft): 15.19

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/13/2018
DTW (ft): 15.15



PDB Length: 18"

Duplicate Sample: OW-111B

Sample #: OW-11B
Sample Time: 10:05
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 23.46 ft

Field Notes (Installation):

Field Notes (Sampling):

DUP Sample Time is 09:05

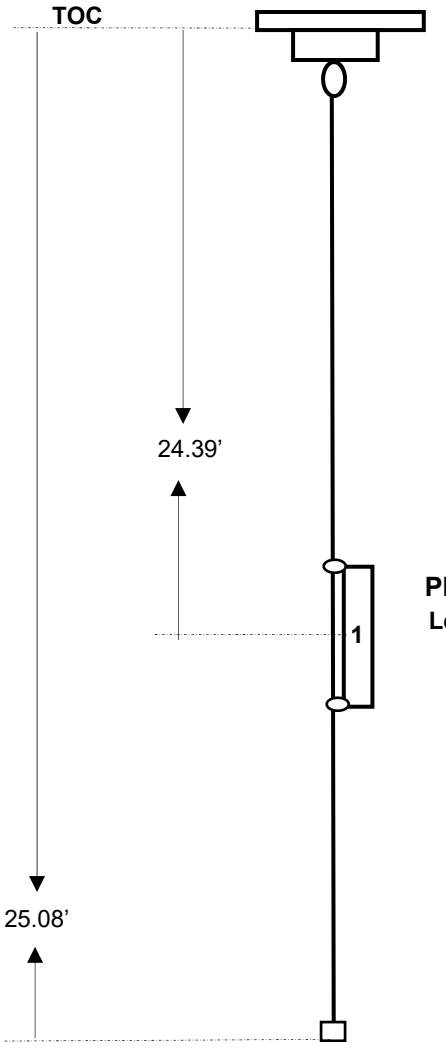
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-12B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/06/2018
Time: 10:35
DTW (ft): 24.21

Sampling of PDBs:

Month: 03 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 24.08



PDB Length: 12"

Sample #: OW-12B
Sample Time: 11:25
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 25.08 ft

Field Notes (Installation):

Field Notes (Sampling):

Only filled 2 VOAs

Rev: Sept. 2007

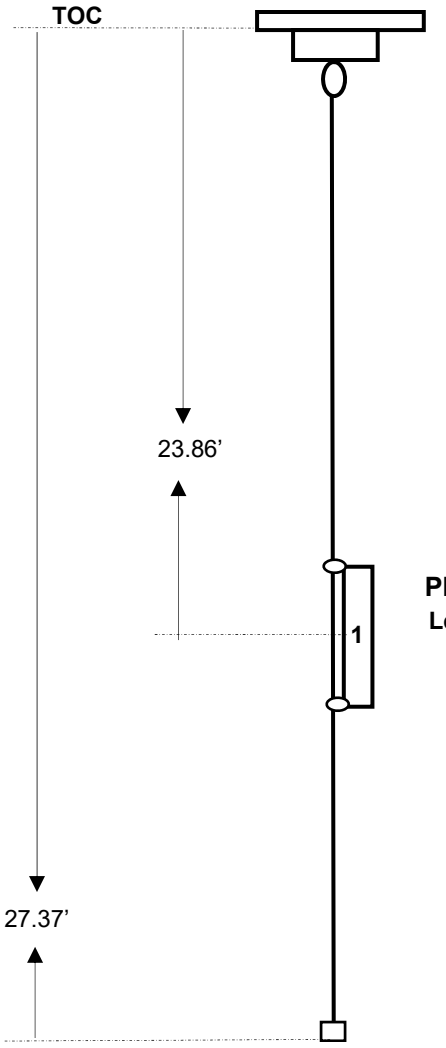
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-13B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/06/2018
Time: 11:15
DTW (ft): 18.48

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 18.46



PDB Length: 24"

Duplicate Sample OW-113B

Sample #: OW-13B
Sample Time: 12:00
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 27.82

Field Notes (Installation):

Field Notes (Sampling):

DUP Sample Time is 11:00

Rev: Sept. 2007

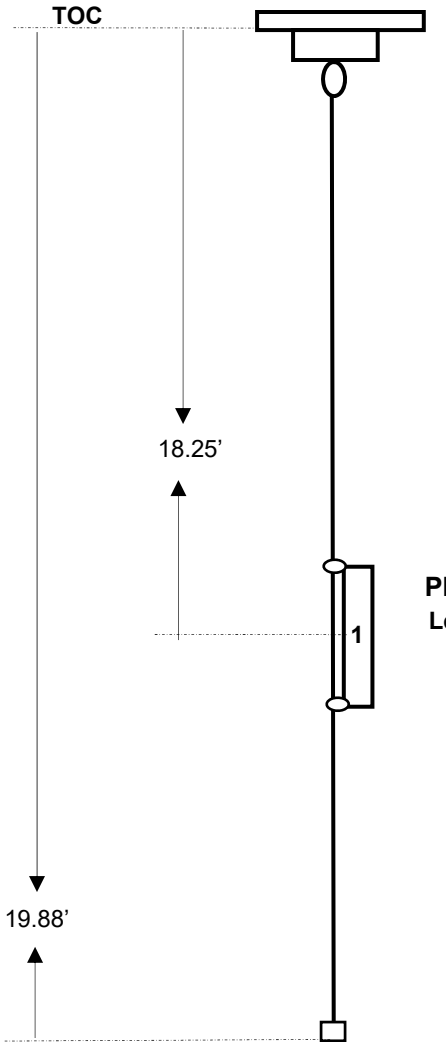
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-14B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/08/2018
Time: 09:25
DTW (ft): 14.21

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/12/2018
DTW (ft): 14.19



PDB Length: 18"

Sample #: OW-14B
Sample Time: 12:55
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 20.29 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

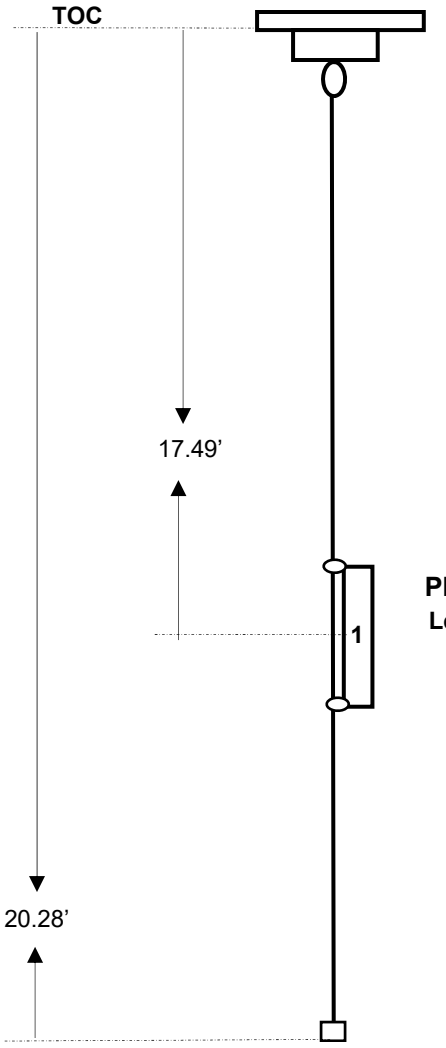
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-15B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/08/2018
Time: 10:10
DTW (ft): 13.01

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/12/2018
DTW (ft): 12.96



PDB Length: 18"

Sample #: OW-15B
Sample Time: 12:22
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 20.75 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-18B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett

Date: 03/07/2018

Time: 16:56

DTW (ft): Obstruction at 18.61

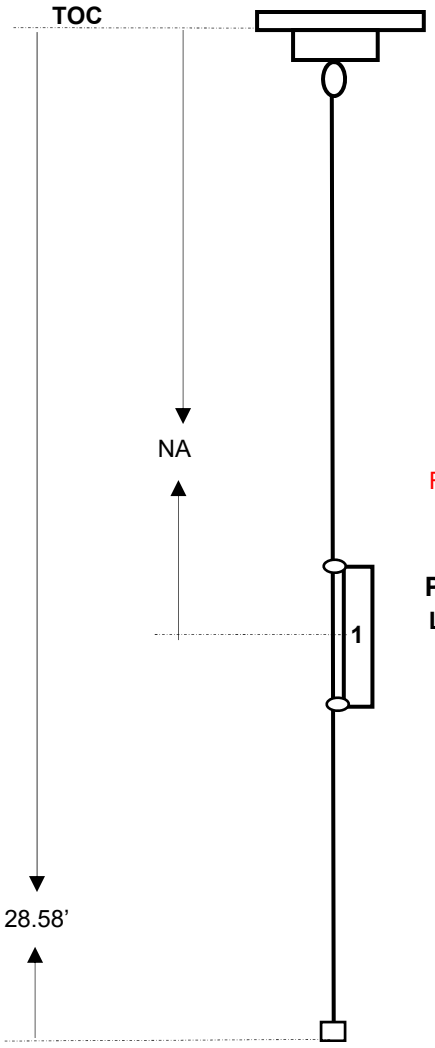
Sampling of PDBs:

Month: 09 **2018** **GW Sampling Round**

TRC Personnel: L. Hopp/H. Corbett

Date: 09/11/2018

DTW (ft): Not Applicable



Red PDB

PDB Length: 18"

Sample #: OW-18B

Sample Time: Not Applicable

Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: NA

Field Notes (Installation):

Field Notes (Sampling):

NS/ obstruction in well at 18.61'

Rev: Sept. 2007

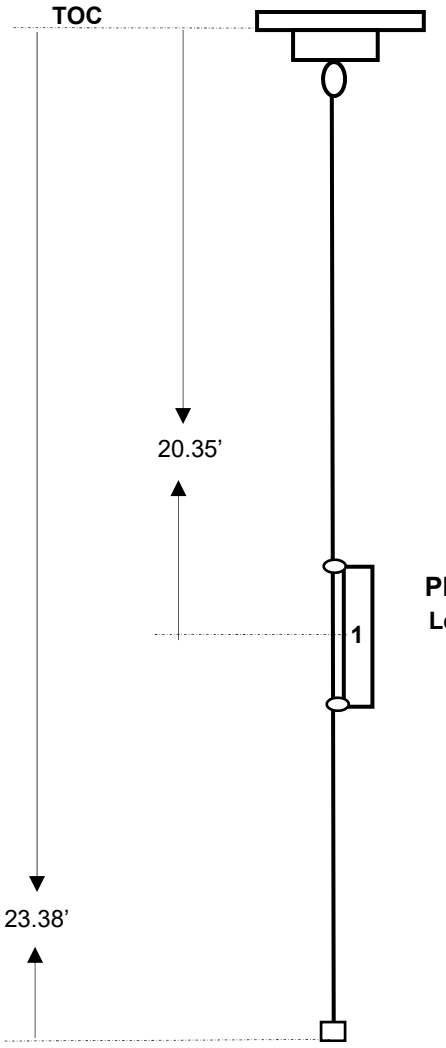
Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-22B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/08/2018
Time: 09:50
DTW (ft): 14.39

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/12/2018
DTW (ft): 14.32



PDB Length: 24"

Collect MS/MSD 9 VOA vials

Sample #: OW-22B
Sample Time: 11:32
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 23.82 ft

Field Notes (Installation):

Field Notes (Sampling):

Collect MS/MSD 9 VOA vials

Rev: Sept. 2007

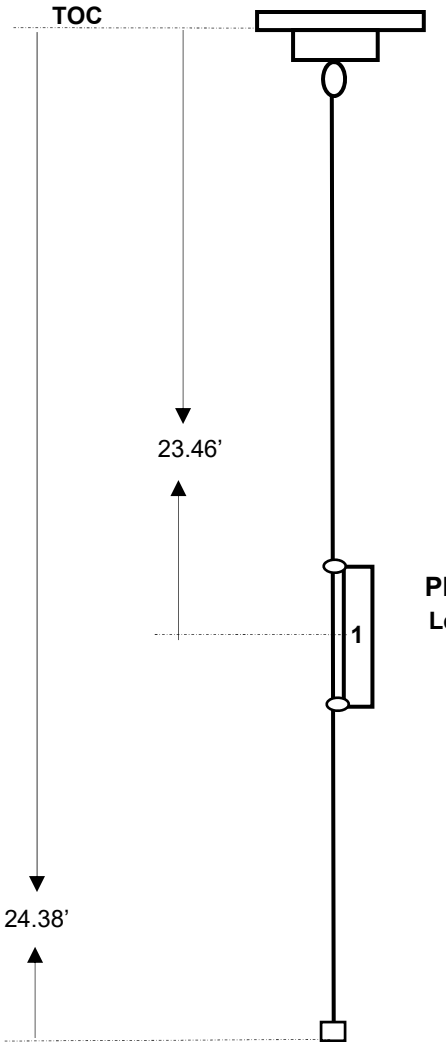
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-26B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/06/2018
Time: 10:00
DTW (ft): 23.82

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 23.78



PDB Length: 12"

Sample #: OW-26B
Sample Time: 10:45
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 24.40 ft

Field Notes (Installation):

Field Notes (Sampling):

PDB not fully submerged in water

Rev: Sept. 2007

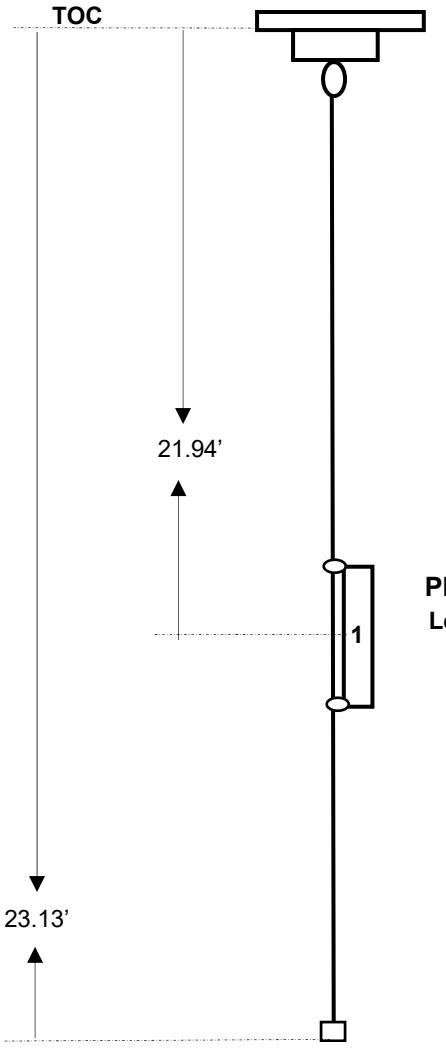
Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-27B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/06//2018
Time: 11:00
DTW (ft): 17.96

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 18.73



PDB Length: 12"

Sample #: OW-27B
Sample Time: 11:45
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 23.55 ft

Field Notes (Installation):

Field Notes (Sampling):

Damaged well cover

Rev: Sept. 2007

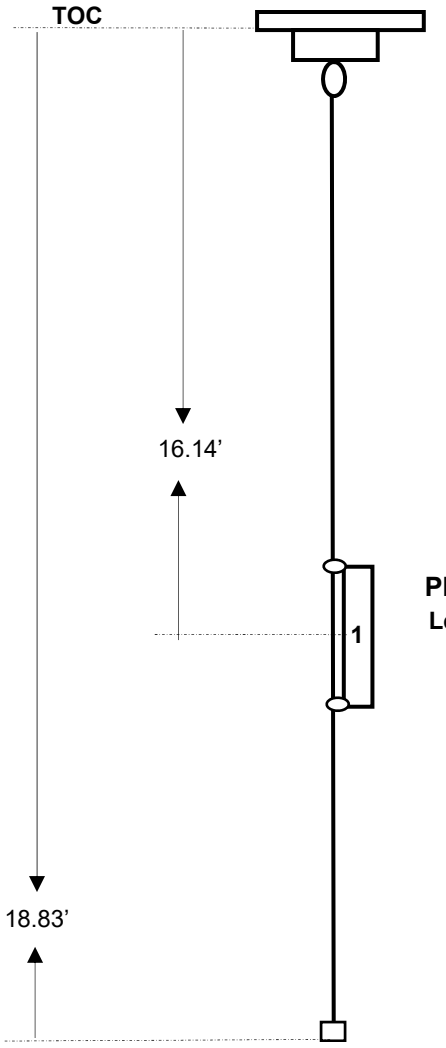
Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-28B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/06/2018
Time: 12:15
DTW (ft): 13.55

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 13.69



PDB Length: 18"

Sample #: OW-28B
Sample Time: 14:34
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 19.57 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

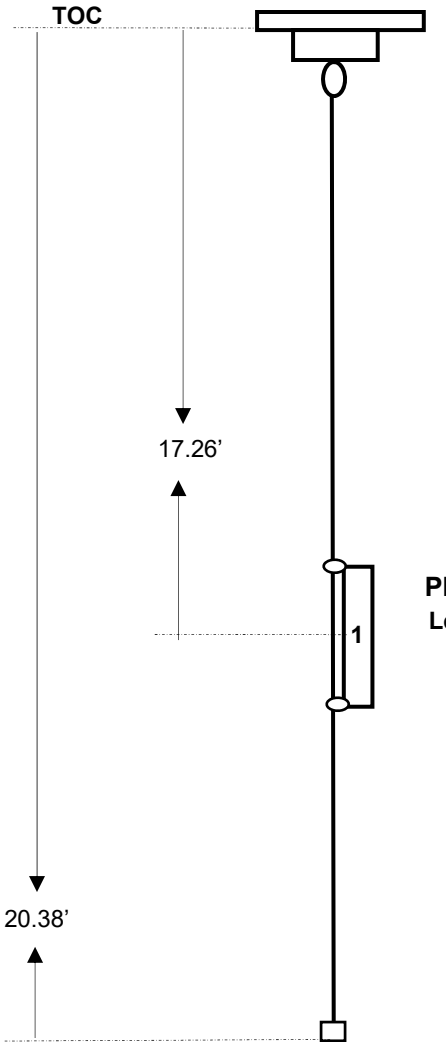
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-29B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/06/2018
Time: 12:08
DTW (ft): 13.63

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 13.86



PDB Length: 18"

Sample #: OW-29B
Sample Time: 14:20
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 21.07 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

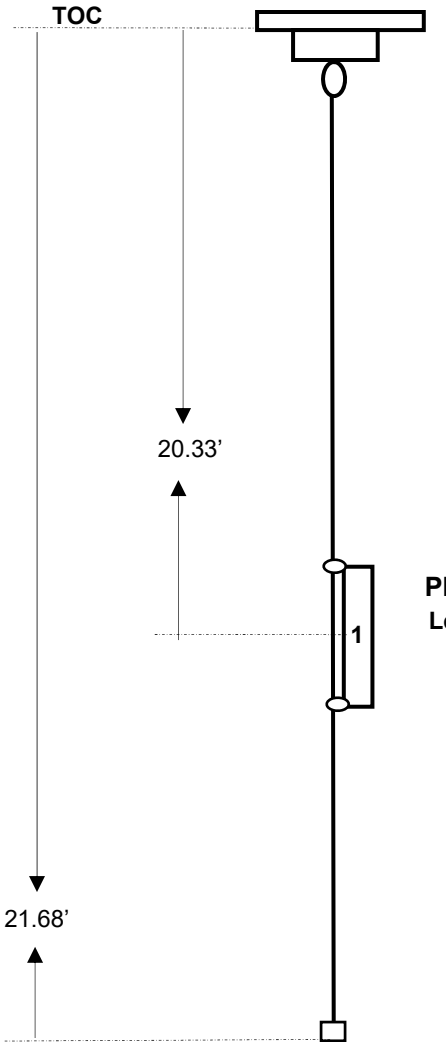
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-30B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/06/2018
Time: 10:08
DTW (ft): 20.05

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 20.36



PDB Length: 12"

Sample #: OW-30B
Sample Time: 10:57
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 22.50 ft

Field Notes (Installation):

Field Notes (Sampling):

PDB not fully submerged in well

Rev: Sept. 2007

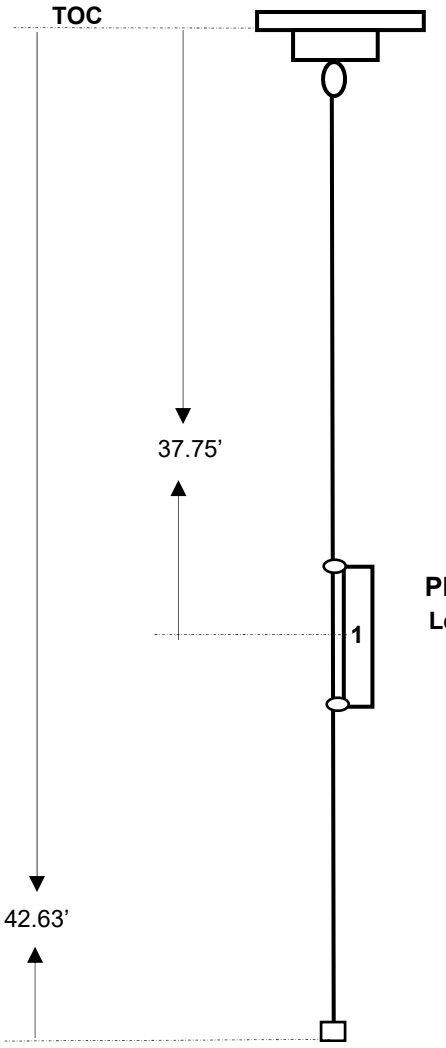
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: MW-1C

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/06/2018
Time: 13:13
DTW (ft): 16.94

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 14.96



PDB Length: 18"

Sample #: MW-1C
Sample Time: 16:08
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 42.63 ft

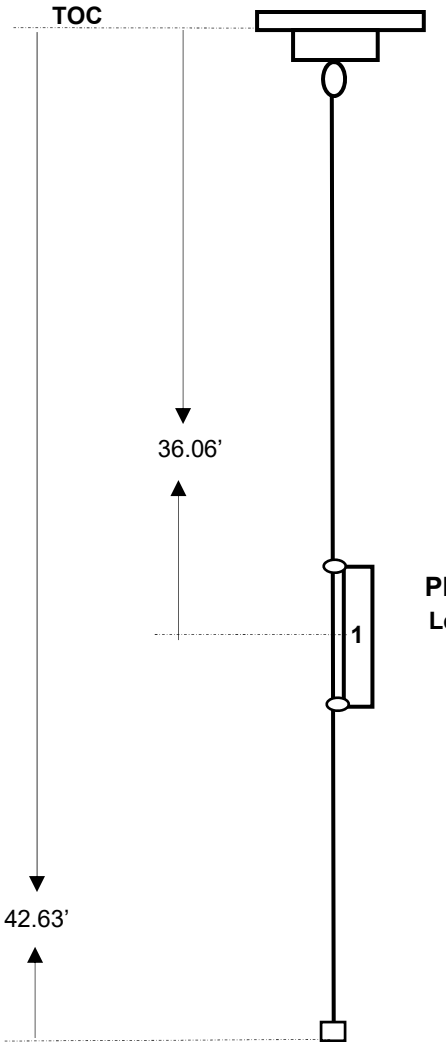
Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: MW-4C

Installation of PDBs:	Sampling of PDBs:
TRC Personnel: L. Hopp/ H. Corbett	**Month:** 09 **20**18 **GW Sampling Round**
Date: 03/06/2018	**TRC Personnel:** L. Hopp/H. Corbett
Time: 11:30	**Date:** 09/11/2018
DTW (ft): 28.14	**DTW (ft):** 28.07



PDB Length: 24"

Collect MS/MSD 9 VOA vials

Sample #: MW-4C

Sample Time: 14:25

Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 41.96 ft

Field Notes (Installation):

Field Notes (Sampling):

Collect MS/MSD 9 VOA vials

Rev: Sept. 2007

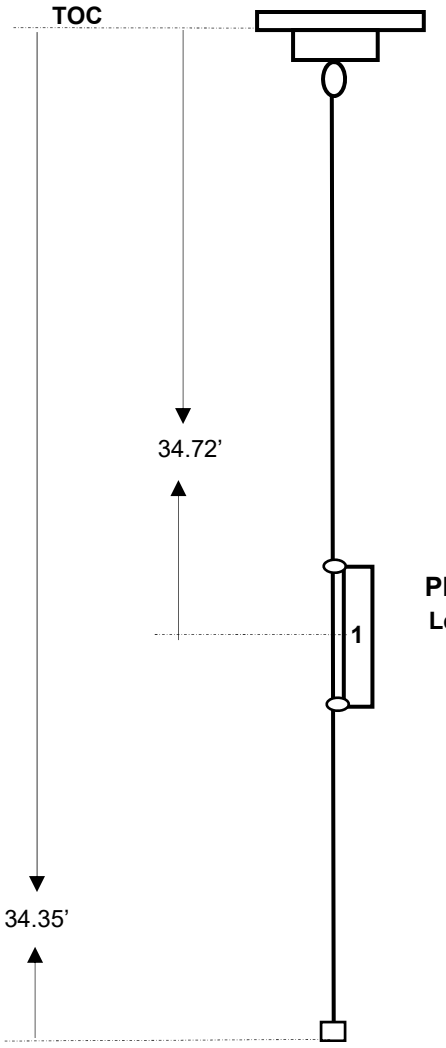
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: MW-5C

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/06/2018
Time: 10:27
DTW (ft): 24.80

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 25.97



PDB Length: 18"

Sample #: MW-5C
Sample Time: 11:05
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 34.90 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

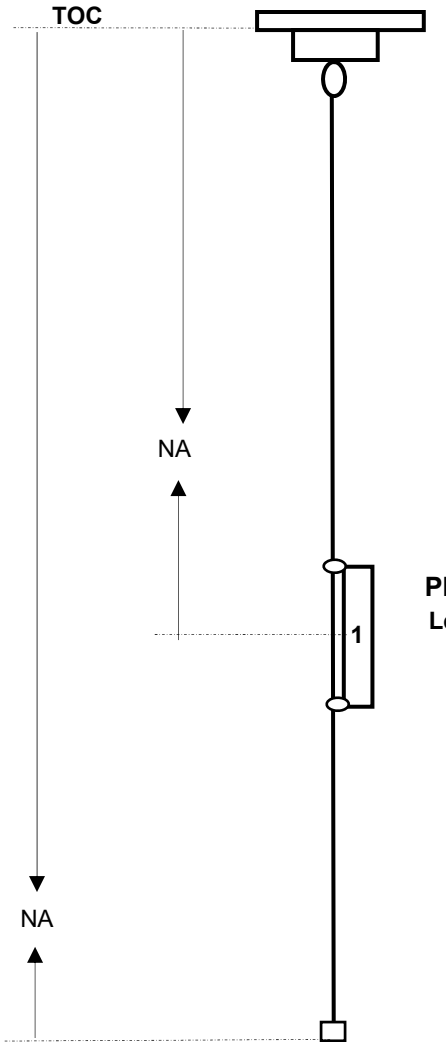
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: MW-6C

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/06/2018
Time:
DTW (ft): 26.78

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 25.89



PDB Length: NA

Sample #: MW-6C
Sample Time:
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 42.50 ft

Field Notes (Installation):

Field Notes (Sampling):

No tether, well bailed monthly. Bailer stuck in well.

Rev: Sept. 2007

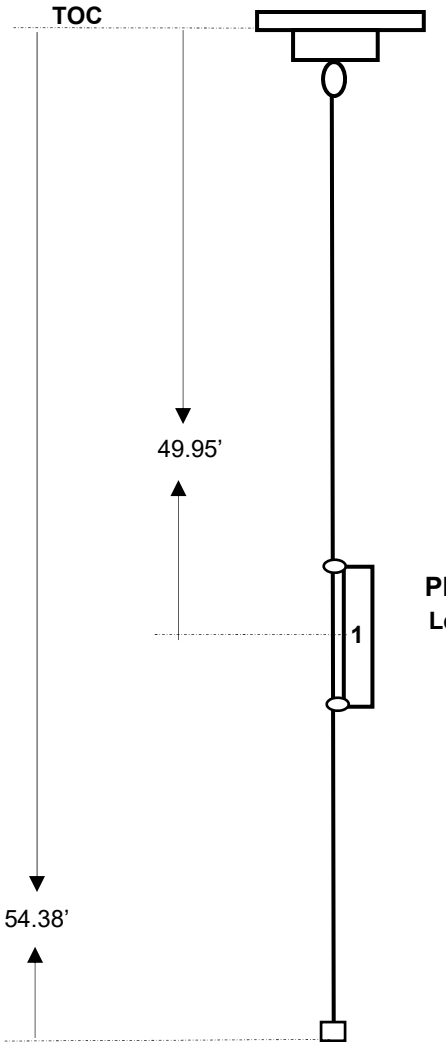
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: MW-1CD

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/06/2018
Time: 13:25
DTW (ft): 17.24

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 16.06



PDB Length: 18"

Sample #: MW-1CD
Sample Time: 15:48
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 56.60 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

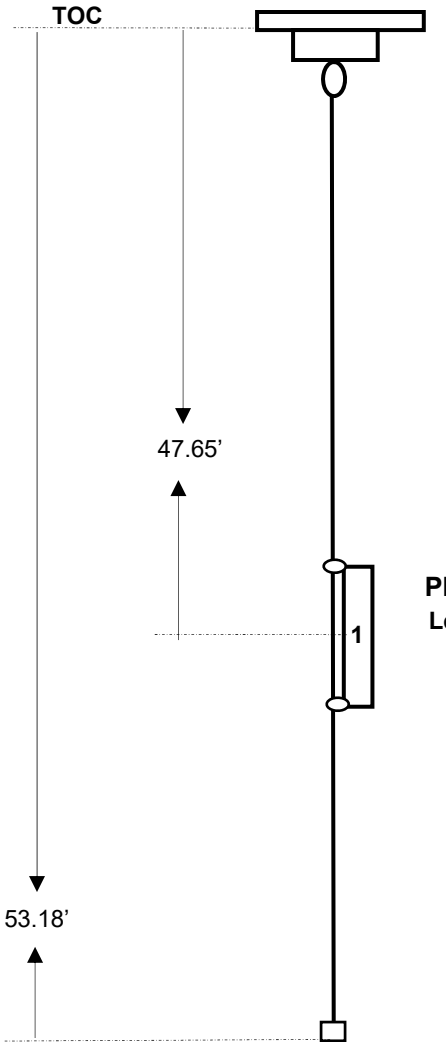
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: MW-5CD

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/06/2018
Time: 10:30
DTW (ft): 26.28

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/11/2018
DTW (ft): 24.85



PDB Length: 18"

Sample #: MW-5CD
Sample Time: 11:18
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 53.57 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

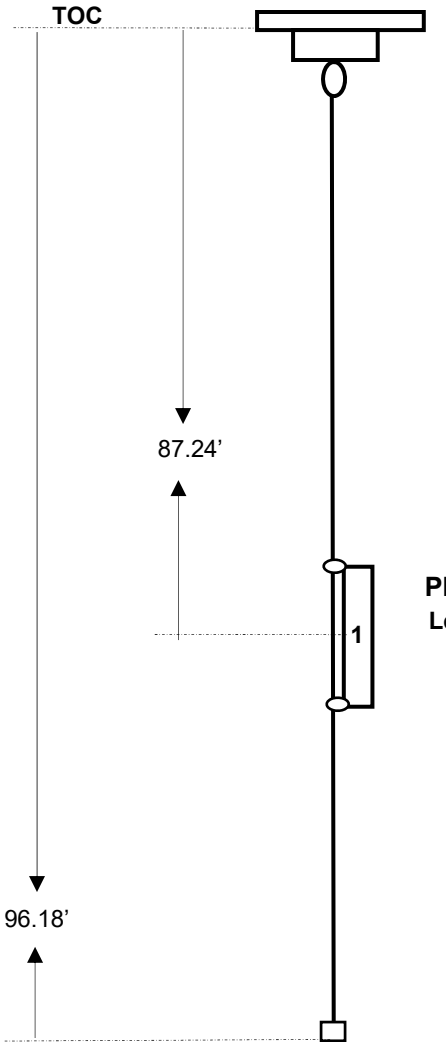
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: MW-1F

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/07/2018
Time: 07:55
DTW (ft): 15.99

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/13/2018
DTW (ft): 13.98



PDB Length: 18"

Sample #: MW-1F
Sample Time: 09:15
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 95.32 ft

Field Notes (Installation):

Field Notes (Sampling):

Weight tether broke off and fell down well

Rev: Sept. 2007

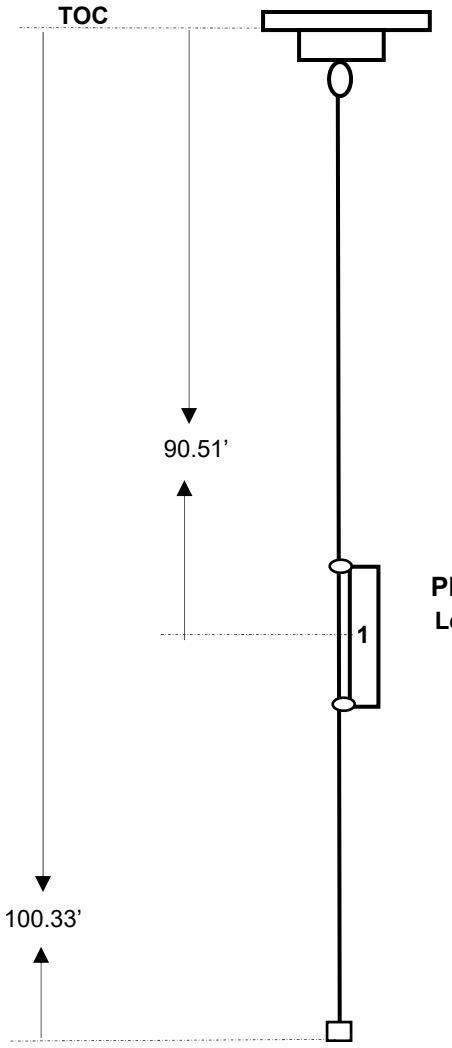
Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: MW-5F

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/07/2018
Time: 10:30
DTW (ft): 19.90

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/13/2018
DTW (ft): 14.92



PDB Length: 18"

Sample #: MW-5F
Sample Time: 10:46
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 100.71 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

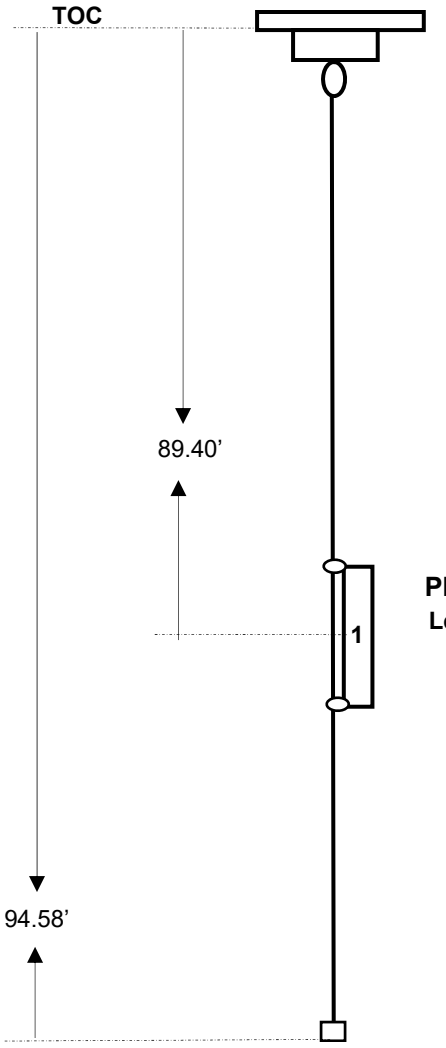
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: MW-6F

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 03/07/2018
Time: 10:15
DTW (ft): 20.61

Sampling of PDBs:

Month: 09 **20**18 **GW Sampling Round**
TRC Personnel: L. Hopp/H. Corbett
Date: 09/13/2018
DTW (ft): 15.98



PDB Length: 18"

Sample #: MW-6F
Sample Time: 10:32
Evidence of algae, iron or other coatings?:

Measured well depth during installation: DTB: 94.46 ft

Field Notes (Installation):

Field Notes (Sampling):

Rev: Sept. 2007

APPENDIX E

Laboratory Data Report

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-141571-1
Client Project/Site: Solvent Chemical Semi-annual Monitoring

For:
TRC Environmental Corporation
Wannalancit Mills
650 Suffolk Street
Lowell, Massachusetts 01854

Attn: Mr. Mike Plumb

Authorized for release by:
9/24/2018 5:54:53 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-141571-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-141571-1

Receipt
The samples were received on 9/11/2018 6:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 6.6° C.

GC/MS VOA
Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OW-12A (480-141571-2), MW-1CD (480-141571-3), OW-28B (480-141571-4), OW-15A (480-141571-5), MW-5CD (480-141571-6), OW-9A (480-141571-8), OW-27B (480-141571-9), MW-1C (480-141571-10), MW-1B (480-141571-11), MW-4C (480-141571-12[MS]), MW-4C (480-141571-12[MSD]), OW-29B (480-141571-13), MW-4B (480-141571-14), OW-113B (480-141571-15), OW-13B (480-141571-16) and OW-26B (480-141571-18). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-433927 recovered above the upper control limit for Chlorodibromomethane, 2,2-Dichloropropane, and 1,1,1,2-Tetrachloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: TB-01 (TRIP BLANK) (480-141571-1), OW-12A (480-141571-2), MW-1CD (480-141571-3), OW-28B (480-141571-4), OW-15A (480-141571-5), MW-5CD (480-141571-6), OW-9A (480-141571-8), OW-27B (480-141571-9), MW-1C (480-141571-10), MW-1B (480-141571-11), OW-29B (480-141571-13), MW-4B (480-141571-14), OW-113B (480-141571-15), OW-13B (480-141571-16), OW-16A (480-141571-17) and OW-26B (480-141571-18).

Method(s) 8260C: Due to the high concentration of cis-1,2-Dichloroethene and Chlorobenzene, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 480-433927 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS)met acceptance criteria.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-434118 recovered above the upper control limit for 2,2-Dichloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: OW-28B (480-141571-4), OW-12B (480-141571-7), OW-9A (480-141571-8), MW-1B (480-141571-11), MW-4C (480-141571-12), OW-113B (480-141571-15), OW-13B (480-141571-16), MW-5C (480-141571-20) and MW-5A (480-141571-21).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OW-28B (480-141571-4), OW-9A (480-141571-8), MW-1B (480-141571-11), MW-4C (480-141571-12), OW-113B (480-141571-15), OW-13B (480-141571-16), MW-5C (480-141571-20), (480-141571-B-4 MS) and (480-141571-B-4 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-434538 recovered above the upper control limit for Vinyl acetate, Carbon tetrachloride, 1,1-Dichloropropene, 1,1,1-Trichloroethane and 2,2-Dichloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: OW-30B (480-141571-19).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: OW-30B (480-141571-19). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatile sample was analyzed with significant headspace in the sample container(s): OW-30B (480-141571-19). Significant headspace is defined as a bubble greater than 6 mm in diameter.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: TB-01 (TRIP BLANK) — Lab Sample ID: 480-141571-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.41	J	1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: OW-12A — Lab Sample ID: 480-141571-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	3700		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene	560		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene	2300		200	170	ug/L	200		8260C	Total/NA
Benzene	200		200	82	ug/L	200		8260C	Total/NA
Chlorobenzene	6100		200	150	ug/L	200		8260C	Total/NA

Client Sample ID: MW-1CD — Lab Sample ID: 480-141571-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	14000		800	630	ug/L	800		8260C	Total/NA
1,3-Dichlorobenzene	1900		800	620	ug/L	800		8260C	Total/NA
1,4-Dichlorobenzene	10000		800	670	ug/L	800		8260C	Total/NA
Benzene	5300		800	330	ug/L	800		8260C	Total/NA
Chlorobenzene	51000		800	600	ug/L	800		8260C	Total/NA
cis-1,2-Dichloroethene	8500		800	650	ug/L	800		8260C	Total/NA
Vinyl chloride	1900		800	720	ug/L	800		8260C	Total/NA

Client Sample ID: OW-28B — Lab Sample ID: 480-141571-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	410		40	8.4	ug/L	40		8260C	Total/NA
1,1,2-Trichloroethane	17	J	40	9.2	ug/L	40		8260C	Total/NA
1,1-Dichloroethene	23	J	40	12	ug/L	40		8260C	Total/NA
1,2,4-Trichlorobenzene	60		40	16	ug/L	40		8260C	Total/NA
1,2-Dichlorobenzene	130		40	32	ug/L	40		8260C	Total/NA
1,3-Dichlorobenzene	120		40	31	ug/L	40		8260C	Total/NA
1,4-Dichlorobenzene	170		40	34	ug/L	40		8260C	Total/NA
Benzene	57		40	16	ug/L	40		8260C	Total/NA
Chlorobenzene	190		40	30	ug/L	40		8260C	Total/NA
cis-1,2-Dichloroethene	5300	E	40	32	ug/L	40		8260C	Total/NA
Tetrachloroethene	1800		40	14	ug/L	40		8260C	Total/NA
trans-1,2-Dichloroethene	110		40	36	ug/L	40		8260C	Total/NA
Trichloroethene	4800	E	40	18	ug/L	40		8260C	Total/NA
Vinyl chloride	600		40	36	ug/L	40		8260C	Total/NA
1,1,2,2-Tetrachloroethane - DL	360		100	21	ug/L	100		8260C	Total/NA
1,2,4-Trichlorobenzene - DL	46	J	100	41	ug/L	100		8260C	Total/NA
1,2-Dichlorobenzene - DL	100		100	79	ug/L	100		8260C	Total/NA
1,3-Dichlorobenzene - DL	96	J	100	78	ug/L	100		8260C	Total/NA
1,4-Dichlorobenzene - DL	150		100	84	ug/L	100		8260C	Total/NA
Benzene - DL	53	J	100	41	ug/L	100		8260C	Total/NA
Chlorobenzene - DL	190		100	75	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene - DL	4900		100	81	ug/L	100		8260C	Total/NA
Tetrachloroethene - DL	1600		100	36	ug/L	100		8260C	Total/NA
trans-1,2-Dichloroethene - DL	99	J	100	90	ug/L	100		8260C	Total/NA
Trichloroethene - DL	4400		100	46	ug/L	100		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OW-28B (Continued) — Lab Sample ID: 480-141571-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride - DL	510		100	90	ug/L	100		8260C	Total/NA

Client Sample ID: OW-15A — Lab Sample ID: 480-141571-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	290		20	8.2	ug/L	20		8260C	Total/NA
1,2-Dichlorobenzene	1100		20	16	ug/L	20		8260C	Total/NA
1,3-Dichlorobenzene	190		20	16	ug/L	20		8260C	Total/NA
1,4-Dichlorobenzene	180		20	17	ug/L	20		8260C	Total/NA
Chlorobenzene	140		20	15	ug/L	20		8260C	Total/NA

Client Sample ID: MW-5CD — Lab Sample ID: 480-141571-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	58		40	32	ug/L	40		8260C	Total/NA
Benzene	33	J	40	16	ug/L	40		8260C	Total/NA
cis-1,2-Dichloroethene	1500		40	32	ug/L	40		8260C	Total/NA
trans-1,2-Dichloroethene	61		40	36	ug/L	40		8260C	Total/NA
Vinyl chloride	870		40	36	ug/L	40		8260C	Total/NA

Client Sample ID: OW-12B — Lab Sample ID: 480-141571-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	0.99	J	1.0	0.21	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.5		1.0	0.38	ug/L	1		8260C	Total/NA
1,2-Dichlorobenzene	11		1.0	0.79	ug/L	1		8260C	Total/NA
1,3-Dichlorobenzene	6.8		1.0	0.78	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	14		1.0	0.84	ug/L	1		8260C	Total/NA
Benzene	4.7		1.0	0.41	ug/L	1		8260C	Total/NA
Chlorobenzene	42		1.0	0.75	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	43		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	2.4		1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	3.6		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	3.9		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	2.2		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OW-9A — Lab Sample ID: 480-141571-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	470		50	40	ug/L	50		8260C	Total/NA
cis-1,2-Dichloroethene	550		50	41	ug/L	50		8260C	Total/NA
Tetrachloroethene	6100	E	50	18	ug/L	50		8260C	Total/NA
Trichloroethene	420		50	23	ug/L	50		8260C	Total/NA
1,2-Dichlorobenzene - DL	450		100	79	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene - DL	480		100	81	ug/L	100		8260C	Total/NA
Tetrachloroethene - DL	4700		100	36	ug/L	100		8260C	Total/NA
Trichloroethene - DL	340		100	46	ug/L	100		8260C	Total/NA

Client Sample ID: OW-27B — Lab Sample ID: 480-141571-9

This Detection Summary does not include radiochemical test results.

Client Sample ID: OW-27B (Continued) — Lab Sample ID: 480-141571-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	100		100	21	ug/L	100		8260C	Total/NA
1,2,4-Trichlorobenzene	180		100	41	ug/L	100		8260C	Total/NA
1,2-Dichlorobenzene	1500		100	79	ug/L	100		8260C	Total/NA
1,3-Dichlorobenzene	770		100	78	ug/L	100		8260C	Total/NA
1,4-Dichlorobenzene	1800		100	84	ug/L	100		8260C	Total/NA
Benzene	190		100	41	ug/L	100		8260C	Total/NA
Chlorobenzene	1000		100	75	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene	5800		100	81	ug/L	100		8260C	Total/NA
Tetrachloroethene	120		100	36	ug/L	100		8260C	Total/NA
trans-1,2-Dichloroethene	160		100	90	ug/L	100		8260C	Total/NA
Trichloroethene	690		100	46	ug/L	100		8260C	Total/NA
Vinyl chloride	460		100	90	ug/L	100		8260C	Total/NA

Client Sample ID: MW-1C — Lab Sample ID: 480-141571-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1100		50	21	ug/L	50		8260C	Total/NA
Chlorobenzene	43	J	50	38	ug/L	50		8260C	Total/NA
cis-1,2-Dichloroethene	4000		50	41	ug/L	50		8260C	Total/NA
trans-1,2-Dichloroethene	200		50	45	ug/L	50		8260C	Total/NA
Vinyl chloride	1500		50	45	ug/L	50		8260C	Total/NA

Client Sample ID: MW-1B — Lab Sample ID: 480-141571-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	330		200	82	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene	930		200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene	7200		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene	6300		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene	31000	E	200	170	ug/L	200		8260C	Total/NA
Benzene	1200		200	82	ug/L	200		8260C	Total/NA
Chlorobenzene	71000	E	200	150	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene - DL	4300		2000	1600	ug/L	2000		8260C	Total/NA
1,3-Dichlorobenzene - DL	2900		2000	1600	ug/L	2000		8260C	Total/NA
1,4-Dichlorobenzene - DL	14000		2000	1700	ug/L	2000		8260C	Total/NA
Benzene - DL	950	J	2000	820	ug/L	2000		8260C	Total/NA
Chlorobenzene - DL	55000		2000	1500	ug/L	2000		8260C	Total/NA

Client Sample ID: MW-4C — Lab Sample ID: 480-141571-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	850	F1	400	320	ug/L	400		8260C	Total/NA
1,4-Dichlorobenzene	430	F1	400	340	ug/L	400		8260C	Total/NA
Benzene	4700	F1	400	160	ug/L	400		8260C	Total/NA
Chlorobenzene	4500	F1	400	300	ug/L	400		8260C	Total/NA
cis-1,2-Dichloroethene	26000	F1	400	320	ug/L	400		8260C	Total/NA
trans-1,2-Dichloroethene	430		400	360	ug/L	400		8260C	Total/NA
Vinyl chloride	2100	F1	400	360	ug/L	400		8260C	Total/NA

Client Sample ID: OW-29B — Lab Sample ID: 480-141571-13

This Detection Summary does not include radiochemical test results.

Client Sample ID: OW-29B (Continued) — Lab Sample ID: 480-141571-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	470		200	42	ug/L	200		8260C	Total/NA
1,2,3-Trichlorobenzene	120	J	200	82	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene	1200		200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene	2900		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene	840		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene	2400		200	170	ug/L	200		8260C	Total/NA
Benzene	510		200	82	ug/L	200		8260C	Total/NA
Chlorobenzene	3300		200	150	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene	13000		200	160	ug/L	200		8260C	Total/NA
Tetrachloroethene	2600		200	72	ug/L	200		8260C	Total/NA
trans-1,2-Dichloroethene	280		200	180	ug/L	200		8260C	Total/NA
Trichloroethene	3200		200	92	ug/L	200		8260C	Total/NA
Vinyl chloride	1500		200	180	ug/L	200		8260C	Total/NA

Client Sample ID: MW-4B — Lab Sample ID: 480-141571-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	610		100	21	ug/L	100		8260C	Total/NA
Benzene	45	J	100	41	ug/L	100		8260C	Total/NA
Chlorobenzene	88	J	100	75	ug/L	100		8260C	Total/NA
Chloroform	170		100	34	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene	3300		100	81	ug/L	100		8260C	Total/NA
Tetrachloroethene	3100		100	36	ug/L	100		8260C	Total/NA
Trichloroethene	8000		100	46	ug/L	100		8260C	Total/NA

Client Sample ID: OW-113B — Lab Sample ID: 480-141571-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	480		80	17	ug/L	80		8260C	Total/NA
1,2,3-Trichlorobenzene	370		80	33	ug/L	80		8260C	Total/NA
1,2,4-Trichlorobenzene	6800		80	33	ug/L	80		8260C	Total/NA
1,2-Dichlorobenzene	6300		80	63	ug/L	80		8260C	Total/NA
1,3-Dichlorobenzene	1400		80	62	ug/L	80		8260C	Total/NA
1,4-Dichlorobenzene	4500		80	67	ug/L	80		8260C	Total/NA
Benzene	940		80	33	ug/L	80		8260C	Total/NA
Chlorobenzene	5900		80	60	ug/L	80		8260C	Total/NA
cis-1,2-Dichloroethene	12000	E	80	65	ug/L	80		8260C	Total/NA
Tetrachloroethene	1400		80	29	ug/L	80		8260C	Total/NA
trans-1,2-Dichloroethene	240		80	72	ug/L	80		8260C	Total/NA
Trichloroethene	3400		80	37	ug/L	80		8260C	Total/NA
Vinyl chloride	1400		80	72	ug/L	80		8260C	Total/NA
1,1,2,2-Tetrachloroethane - DL	520		400	84	ug/L	400		8260C	Total/NA
1,2,3-Trichlorobenzene - DL	360	J	400	160	ug/L	400		8260C	Total/NA
1,2,4-Trichlorobenzene - DL	6600		400	160	ug/L	400		8260C	Total/NA
1,2-Dichlorobenzene - DL	6000		400	320	ug/L	400		8260C	Total/NA
1,3-Dichlorobenzene - DL	1300		400	310	ug/L	400		8260C	Total/NA
1,4-Dichlorobenzene - DL	4400		400	340	ug/L	400		8260C	Total/NA
Benzene - DL	850		400	160	ug/L	400		8260C	Total/NA
Chlorobenzene - DL	5600		400	300	ug/L	400		8260C	Total/NA
cis-1,2-Dichloroethene - DL	11000		400	320	ug/L	400		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OW-113B (Continued) — Lab Sample ID: 480-141571-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene - DL	1100		400	140	ug/L	400		8260C	Total/NA
Trichloroethene - DL	3200		400	180	ug/L	400		8260C	Total/NA
Vinyl chloride - DL	1200		400	360	ug/L	400		8260C	Total/NA

Client Sample ID: OW-13B — Lab Sample ID: 480-141571-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	470		80	17	ug/L	80		8260C	Total/NA
1,2,3-Trichlorobenzene	400		80	33	ug/L	80		8260C	Total/NA
1,2,4-Trichlorobenzene	6800		80	33	ug/L	80		8260C	Total/NA
1,2-Dichlorobenzene	6200		80	63	ug/L	80		8260C	Total/NA
1,3-Dichlorobenzene	1400		80	62	ug/L	80		8260C	Total/NA
1,4-Dichlorobenzene	4500		80	67	ug/L	80		8260C	Total/NA
Benzene	870		80	33	ug/L	80		8260C	Total/NA
Chlorobenzene	5800		80	60	ug/L	80		8260C	Total/NA
cis-1,2-Dichloroethene	11000	E	80	65	ug/L	80		8260C	Total/NA
Tetrachloroethene	1400		80	29	ug/L	80		8260C	Total/NA
trans-1,2-Dichloroethene	220		80	72	ug/L	80		8260C	Total/NA
Trichloroethene	3100		80	37	ug/L	80		8260C	Total/NA
Vinyl chloride	1300		80	72	ug/L	80		8260C	Total/NA
1,1,2,2-Tetrachloroethane - DL	450		200	42	ug/L	200		8260C	Total/NA
1,2,3-Trichlorobenzene - DL	380		200	82	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene - DL	6700		200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene - DL	6200		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene - DL	1300		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene - DL	4300		200	170	ug/L	200		8260C	Total/NA
Benzene - DL	870		200	82	ug/L	200		8260C	Total/NA
Chlorobenzene - DL	5600		200	150	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene - DL	11000		200	160	ug/L	200		8260C	Total/NA
Tetrachloroethene - DL	1200		200	72	ug/L	200		8260C	Total/NA
trans-1,2-Dichloroethene - DL	240		200	180	ug/L	200		8260C	Total/NA
Trichloroethene - DL	3100		200	92	ug/L	200		8260C	Total/NA
Vinyl chloride - DL	1200		200	180	ug/L	200		8260C	Total/NA

Client Sample ID: OW-16A — Lab Sample ID: 480-141571-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	31		1.0	0.79	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	5.0		1.0	0.84	ug/L	1		8260C	Total/NA

Client Sample ID: OW-26B — Lab Sample ID: 480-141571-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	300		10	3.6	ug/L	10		8260C	Total/NA
Trichloroethene	15		10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: OW-30B — Lab Sample ID: 480-141571-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.0		4.0	1.5	ug/L	4		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OW-30B (Continued) — Lab Sample ID: 480-141571-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	24		4.0	3.2	ug/L	4		8260C	Total/NA
1,3-Dichlorobenzene	65		4.0	3.1	ug/L	4		8260C	Total/NA
1,4-Dichlorobenzene	41		4.0	3.4	ug/L	4		8260C	Total/NA
Benzene	4.6		4.0	1.6	ug/L	4		8260C	Total/NA
Chlorobenzene	100		4.0	3.0	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	7.3		4.0	3.2	ug/L	4		8260C	Total/NA
Tetrachloroethene	15		4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	16		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	7.4		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: MW-5C — Lab Sample ID: 480-141571-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	130		20	16	ug/L	20		8260C	Total/NA
1,3-Dichlorobenzene	240		20	16	ug/L	20		8260C	Total/NA
1,4-Dichlorobenzene	480		20	17	ug/L	20		8260C	Total/NA
Benzene	150		20	8.2	ug/L	20		8260C	Total/NA
Chlorobenzene	1900		20	15	ug/L	20		8260C	Total/NA
Vinyl chloride	27		20	18	ug/L	20		8260C	Total/NA

Client Sample ID: MW-5A — Lab Sample ID: 480-141571-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	31		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	1.1		1.0	0.46	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: TB-01 (TRIP BLANK)
Date Collected: 09/11/18 00:00
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/12/18 10:28	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/12/18 10:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/12/18 10:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/12/18 10:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/12/18 10:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/12/18 10:28	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/12/18 10:28	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/12/18 10:28	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/12/18 10:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/12/18 10:28	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/12/18 10:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/12/18 10:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/12/18 10:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/12/18 10:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/12/18 10:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/12/18 10:28	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/12/18 10:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/12/18 10:28	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/12/18 10:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/12/18 10:28	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/12/18 10:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/12/18 10:28	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/12/18 10:28	1
2-Hexanone	ND		5.0	1.2	ug/L			09/12/18 10:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/12/18 10:28	1
Acetone	ND		10	3.0	ug/L			09/12/18 10:28	1
Benzene	ND		1.0	0.41	ug/L			09/12/18 10:28	1
Bromobenzene	ND		1.0	0.80	ug/L			09/12/18 10:28	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/12/18 10:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/12/18 10:28	1
Bromoform	ND		1.0	0.26	ug/L			09/12/18 10:28	1
Bromomethane	ND		1.0	0.69	ug/L			09/12/18 10:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/12/18 10:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/12/18 10:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/12/18 10:28	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/12/18 10:28	1
Chloroethane	ND		1.0	0.32	ug/L			09/12/18 10:28	1
Chloroform	**0.41**	**J**	1.0	0.34	ug/L			09/12/18 10:28	1
Chloromethane	ND		1.0	0.35	ug/L			09/12/18 10:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/12/18 10:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/12/18 10:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/12/18 10:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/12/18 10:28	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			09/12/18 10:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/12/18 10:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/12/18 10:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/12/18 10:28	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/12/18 10:28	1
Naphthalene	ND		1.0	0.43	ug/L			09/12/18 10:28	1

Client Sample ID: TB-01 (TRIP BLANK)

Lab Sample ID: 480-141571-1

Date Collected: 09/11/18 00:00
Matrix: Water
Date Received: 09/11/18 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.0	0.64	ug/L			09/12/18 10:28	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/12/18 10:28	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/12/18 10:28	1
o-Xylene	ND		1.0	0.76	ug/L			09/12/18 10:28	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/12/18 10:28	1
p-Cymene	ND		1.0	0.31	ug/L			09/12/18 10:28	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/12/18 10:28	1
Styrene	ND		1.0	0.73	ug/L			09/12/18 10:28	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/12/18 10:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/12/18 10:28	1
Toluene	ND		1.0	0.51	ug/L			09/12/18 10:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/12/18 10:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/12/18 10:28	1
Trichloroethene	ND		1.0	0.46	ug/L			09/12/18 10:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/12/18 10:28	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/12/18 10:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/12/18 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/12/18 10:28*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*09/12/18 10:28*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/12/18 10:28*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*09/12/18 10:28*	*1*

Client Sample ID: OW-12A

Lab Sample ID: 480-141571-2

Date Collected: 09/11/18 15:26
Matrix: Water
Date Received: 09/11/18 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200	70	ug/L			09/12/18 10:51	200
1,1,1-Trichloroethane	ND		200	160	ug/L			09/12/18 10:51	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			09/12/18 10:51	200
1,1,2-Trichloroethane	ND		200	46	ug/L			09/12/18 10:51	200
1,1-Dichloroethane	ND		200	76	ug/L			09/12/18 10:51	200
1,1-Dichloroethene	ND		200	58	ug/L			09/12/18 10:51	200
1,1-Dichloropropene	ND		200	140	ug/L			09/12/18 10:51	200
1,2,3-Trichlorobenzene	ND		200	82	ug/L			09/12/18 10:51	200
1,2,3-Trichloropropane	ND		200	180	ug/L			09/12/18 10:51	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			09/12/18 10:51	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			09/12/18 10:51	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			09/12/18 10:51	200
1,2-Dibromoethane	ND		200	150	ug/L			09/12/18 10:51	200
1,2-Dichlorobenzene	**3700**		200	160	ug/L			09/12/18 10:51	200
1,2-Dichloroethane	ND		200	42	ug/L			09/12/18 10:51	200
1,2-Dichloropropane	ND		200	140	ug/L			09/12/18 10:51	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			09/12/18 10:51	200
1,3-Dichlorobenzene	**560**		200	160	ug/L			09/12/18 10:51	200
1,3-Dichloropropane	ND		200	150	ug/L			09/12/18 10:51	200
1,4-Dichlorobenzene	**2300**		200	170	ug/L			09/12/18 10:51	200

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: OW-12A
Date Collected: 09/11/18 15:26
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		200	80	ug/L			09/12/18 10:51	200
2-Butanone (MEK)	ND		2000	260	ug/L			09/12/18 10:51	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			09/12/18 10:51	200
2-Hexanone	ND		1000	250	ug/L			09/12/18 10:51	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			09/12/18 10:51	200
Acetone	ND		2000	600	ug/L			09/12/18 10:51	200
Benzene	**200**		200	82	ug/L			09/12/18 10:51	200
Bromobenzene	ND		200	160	ug/L			09/12/18 10:51	200
Bromochloromethane	ND		200	170	ug/L			09/12/18 10:51	200
Bromodichloromethane	ND		200	78	ug/L			09/12/18 10:51	200
Bromoform	ND		200	52	ug/L			09/12/18 10:51	200
Bromomethane	ND		200	140	ug/L			09/12/18 10:51	200
Carbon disulfide	ND		200	38	ug/L			09/12/18 10:51	200
Carbon tetrachloride	ND		200	54	ug/L			09/12/18 10:51	200
Chlorobenzene	**6100**		200	150	ug/L			09/12/18 10:51	200
Chlorodibromomethane	ND		200	64	ug/L			09/12/18 10:51	200
Chloroethane	ND		200	64	ug/L			09/12/18 10:51	200
Chloroform	ND		200	68	ug/L			09/12/18 10:51	200
Chloromethane	ND		200	70	ug/L			09/12/18 10:51	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			09/12/18 10:51	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			09/12/18 10:51	200
Dichlorodifluoromethane	ND		200	140	ug/L			09/12/18 10:51	200
Ethylbenzene	ND		200	150	ug/L			09/12/18 10:51	200
Hexachlorobutadiene	ND		200	56	ug/L			09/12/18 10:51	200
Isopropylbenzene	ND		200	160	ug/L			09/12/18 10:51	200
Methyl tert-butyl ether	ND		200	32	ug/L			09/12/18 10:51	200
Methylene Chloride	ND		200	88	ug/L			09/12/18 10:51	200
m-Xylene & p-Xylene	ND		400	130	ug/L			09/12/18 10:51	200
Naphthalene	ND		200	86	ug/L			09/12/18 10:51	200
n-Butylbenzene	ND		200	130	ug/L			09/12/18 10:51	200
N-Propylbenzene	ND		200	140	ug/L			09/12/18 10:51	200
o-Chlorotoluene	ND		200	170	ug/L			09/12/18 10:51	200
o-Xylene	ND		200	150	ug/L			09/12/18 10:51	200
p-Chlorotoluene	ND		200	170	ug/L			09/12/18 10:51	200
p-Cymene	ND		200	62	ug/L			09/12/18 10:51	200
sec-Butylbenzene	ND		200	150	ug/L			09/12/18 10:51	200
Styrene	ND		200	150	ug/L			09/12/18 10:51	200
tert-Butylbenzene	ND		200	160	ug/L			09/12/18 10:51	200
Tetrachloroethene	ND		200	72	ug/L			09/12/18 10:51	200
Toluene	ND		200	100	ug/L			09/12/18 10:51	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			09/12/18 10:51	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			09/12/18 10:51	200
Trichloroethene	ND		200	92	ug/L			09/12/18 10:51	200
Trichlorofluoromethane	ND		200	180	ug/L			09/12/18 10:51	200
Vinyl acetate	ND		1000	170	ug/L			09/12/18 10:51	200
Vinyl chloride	ND		200	180	ug/L			09/12/18 10:51	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*09/12/18 10:51*	*200*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*09/12/18 10:51*	*200*

Client Sample ID: OW-12A
Date Collected: 09/11/18 15:26
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/12/18 10:51*	*200*
Toluene-d8 (Surr)	*105*		*80 - 120*		*09/12/18 10:51*	*200*

Client Sample ID: MW-1CD
Date Collected: 09/11/18 15:48
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		800	280	ug/L			09/12/18 11:14	800
1,1,1-Trichloroethane	ND		800	660	ug/L			09/12/18 11:14	800
1,1,2,2-Tetrachloroethane	ND		800	170	ug/L			09/12/18 11:14	800
1,1,2-Trichloroethane	ND		800	180	ug/L			09/12/18 11:14	800
1,1-Dichloroethane	ND		800	300	ug/L			09/12/18 11:14	800
1,1-Dichloroethene	ND		800	230	ug/L			09/12/18 11:14	800
1,1-Dichloropropene	ND		800	580	ug/L			09/12/18 11:14	800
1,2,3-Trichlorobenzene	ND		800	330	ug/L			09/12/18 11:14	800
1,2,3-Trichloropropane	ND		800	710	ug/L			09/12/18 11:14	800
1,2,4-Trichlorobenzene	ND		800	330	ug/L			09/12/18 11:14	800
1,2,4-Trimethylbenzene	ND		800	600	ug/L			09/12/18 11:14	800
1,2-Dibromo-3-Chloropropane	ND		800	310	ug/L			09/12/18 11:14	800
1,2-Dibromoethane	ND		800	580	ug/L			09/12/18 11:14	800
1,2-Dichlorobenzene	**14000**		800	630	ug/L			09/12/18 11:14	800
1,2-Dichloroethane	ND		800	170	ug/L			09/12/18 11:14	800
1,2-Dichloropropane	ND		800	580	ug/L			09/12/18 11:14	800
1,3,5-Trimethylbenzene	ND		800	620	ug/L			09/12/18 11:14	800
1,3-Dichlorobenzene	**1900**		800	620	ug/L			09/12/18 11:14	800
1,3-Dichloropropane	ND		800	600	ug/L			09/12/18 11:14	800
1,4-Dichlorobenzene	**10000**		800	670	ug/L			09/12/18 11:14	800
2,2-Dichloropropane	ND		800	320	ug/L			09/12/18 11:14	800
2-Butanone (MEK)	ND		8000	1100	ug/L			09/12/18 11:14	800
2-Chloroethyl vinyl ether	ND		4000	770	ug/L			09/12/18 11:14	800
2-Hexanone	ND		4000	990	ug/L			09/12/18 11:14	800
4-Methyl-2-pentanone (MIBK)	ND		4000	1700	ug/L			09/12/18 11:14	800
Acetone	ND		8000	2400	ug/L			09/12/18 11:14	800
Benzene	**5300**		800	330	ug/L			09/12/18 11:14	800
Bromobenzene	ND		800	640	ug/L			09/12/18 11:14	800
Bromochloromethane	ND		800	700	ug/L			09/12/18 11:14	800
Bromodichloromethane	ND		800	310	ug/L			09/12/18 11:14	800
Bromoform	ND		800	210	ug/L			09/12/18 11:14	800
Bromomethane	ND		800	550	ug/L			09/12/18 11:14	800
Carbon disulfide	ND		800	150	ug/L			09/12/18 11:14	800
Carbon tetrachloride	ND		800	220	ug/L			09/12/18 11:14	800
Chlorobenzene	**51000**		800	600	ug/L			09/12/18 11:14	800
Chlorodibromomethane	ND		800	260	ug/L			09/12/18 11:14	800
Chloroethane	ND		800	260	ug/L			09/12/18 11:14	800
Chloroform	ND		800	270	ug/L			09/12/18 11:14	800
Chloromethane	ND		800	280	ug/L			09/12/18 11:14	800
cis-1,2-Dichloroethene	**8500**		800	650	ug/L			09/12/18 11:14	800

Client Sample ID: MW-1CD
Date Collected: 09/11/18 15:48
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		800	290	ug/L			09/12/18 11:14	800
Dichlorodifluoromethane	ND		800	540	ug/L			09/12/18 11:14	800
Ethylbenzene	ND		800	590	ug/L			09/12/18 11:14	800
Hexachlorobutadiene	ND		800	220	ug/L			09/12/18 11:14	800
Isopropylbenzene	ND		800	630	ug/L			09/12/18 11:14	800
Methyl tert-butyl ether	ND		800	130	ug/L			09/12/18 11:14	800
Methylene Chloride	ND		800	350	ug/L			09/12/18 11:14	800
m-Xylene & p-Xylene	ND		1600	530	ug/L			09/12/18 11:14	800
Naphthalene	ND		800	340	ug/L			09/12/18 11:14	800
n-Butylbenzene	ND		800	510	ug/L			09/12/18 11:14	800
N-Propylbenzene	ND		800	550	ug/L			09/12/18 11:14	800
o-Chlorotoluene	ND		800	690	ug/L			09/12/18 11:14	800
o-Xylene	ND		800	610	ug/L			09/12/18 11:14	800
p-Chlorotoluene	ND		800	670	ug/L			09/12/18 11:14	800
p-Cymene	ND		800	250	ug/L			09/12/18 11:14	800
sec-Butylbenzene	ND		800	600	ug/L			09/12/18 11:14	800
Styrene	ND		800	580	ug/L			09/12/18 11:14	800
tert-Butylbenzene	ND		800	650	ug/L			09/12/18 11:14	800
Tetrachloroethene	ND		800	290	ug/L			09/12/18 11:14	800
Toluene	ND		800	410	ug/L			09/12/18 11:14	800
trans-1,2-Dichloroethene	ND		800	720	ug/L			09/12/18 11:14	800
trans-1,3-Dichloropropene	ND		800	300	ug/L			09/12/18 11:14	800
Trichloroethene	ND		800	370	ug/L			09/12/18 11:14	800
Trichlorofluoromethane	ND		800	700	ug/L			09/12/18 11:14	800
Vinyl acetate	ND		4000	680	ug/L			09/12/18 11:14	800
Vinyl chloride	**1900**		800	720	ug/L			09/12/18 11:14	800

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*09/12/18 11:14*	*800*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*09/12/18 11:14*	*800*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/12/18 11:14*	*800*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/12/18 11:14*	*800*

Client Sample ID: OW-28B
Date Collected: 09/11/18 14:34
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		40	14	ug/L			09/12/18 11:37	40
1,1,1-Trichloroethane	ND		40	33	ug/L			09/12/18 11:37	40
1,1,2,2-Tetrachloroethane	**410**		40	8.4	ug/L			09/12/18 11:37	40
1,1,2-Trichloroethane	**17**	**J**	40	9.2	ug/L			09/12/18 11:37	40
1,1-Dichloroethane	ND		40	15	ug/L			09/12/18 11:37	40
1,1-Dichloroethene	**23**	**J**	40	12	ug/L			09/12/18 11:37	40
1,1-Dichloropropene	ND		40	29	ug/L			09/12/18 11:37	40
1,2,3-Trichlorobenzene	ND		40	16	ug/L			09/12/18 11:37	40
1,2,3-Trichloropropane	ND		40	36	ug/L			09/12/18 11:37	40
1,2,4-Trichlorobenzene	**60**		40	16	ug/L			09/12/18 11:37	40
1,2,4-Trimethylbenzene	ND		40	30	ug/L			09/12/18 11:37	40

Client Sample ID: OW-28B
Date Collected: 09/11/18 14:34
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			09/12/18 11:37	40
1,2-Dibromoethane	ND		40	29	ug/L			09/12/18 11:37	40
1,2-Dichlorobenzene	**130**		40	32	ug/L			09/12/18 11:37	40
1,2-Dichloroethane	ND		40	8.4	ug/L			09/12/18 11:37	40
1,2-Dichloropropane	ND		40	29	ug/L			09/12/18 11:37	40
1,3,5-Trimethylbenzene	ND		40	31	ug/L			09/12/18 11:37	40
1,3-Dichlorobenzene	**120**		40	31	ug/L			09/12/18 11:37	40
1,3-Dichloropropane	ND		40	30	ug/L			09/12/18 11:37	40
1,4-Dichlorobenzene	**170**		40	34	ug/L			09/12/18 11:37	40
2,2-Dichloropropane	ND		40	16	ug/L			09/12/18 11:37	40
2-Butanone (MEK)	ND		400	53	ug/L			09/12/18 11:37	40
2-Chloroethyl vinyl ether	ND		200	38	ug/L			09/12/18 11:37	40
2-Hexanone	ND		200	50	ug/L			09/12/18 11:37	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			09/12/18 11:37	40
Acetone	ND		400	120	ug/L			09/12/18 11:37	40
Benzene	**57**		40	16	ug/L			09/12/18 11:37	40
Bromobenzene	ND		40	32	ug/L			09/12/18 11:37	40
Bromochloromethane	ND		40	35	ug/L			09/12/18 11:37	40
Bromodichloromethane	ND		40	16	ug/L			09/12/18 11:37	40
Bromoform	ND		40	10	ug/L			09/12/18 11:37	40
Bromomethane	ND		40	28	ug/L			09/12/18 11:37	40
Carbon disulfide	ND		40	7.6	ug/L			09/12/18 11:37	40
Carbon tetrachloride	ND		40	11	ug/L			09/12/18 11:37	40
Chlorobenzene	**190**		40	30	ug/L			09/12/18 11:37	40
Chlorodibromomethane	ND		40	13	ug/L			09/12/18 11:37	40
Chloroethane	ND		40	13	ug/L			09/12/18 11:37	40
Chloroform	ND		40	14	ug/L			09/12/18 11:37	40
Chloromethane	ND		40	14	ug/L			09/12/18 11:37	40
cis-1,2-Dichloroethene	**5300**	**E**	40	32	ug/L			09/12/18 11:37	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			09/12/18 11:37	40
Dichlorodifluoromethane	ND		40	27	ug/L			09/12/18 11:37	40
Ethylbenzene	ND		40	30	ug/L			09/12/18 11:37	40
Hexachlorobutadiene	ND		40	11	ug/L			09/12/18 11:37	40
Isopropylbenzene	ND		40	32	ug/L			09/12/18 11:37	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			09/12/18 11:37	40
Methylene Chloride	ND		40	18	ug/L			09/12/18 11:37	40
m-Xylene & p-Xylene	ND		80	26	ug/L			09/12/18 11:37	40
Naphthalene	ND		40	17	ug/L			09/12/18 11:37	40
n-Butylbenzene	ND		40	26	ug/L			09/12/18 11:37	40
N-Propylbenzene	ND		40	28	ug/L			09/12/18 11:37	40
o-Chlorotoluene	ND		40	34	ug/L			09/12/18 11:37	40
o-Xylene	ND		40	30	ug/L			09/12/18 11:37	40
p-Chlorotoluene	ND		40	34	ug/L			09/12/18 11:37	40
p-Cymene	ND		40	12	ug/L			09/12/18 11:37	40
sec-Butylbenzene	ND		40	30	ug/L			09/12/18 11:37	40
Styrene	ND		40	29	ug/L			09/12/18 11:37	40
tert-Butylbenzene	ND		40	32	ug/L			09/12/18 11:37	40
Tetrachloroethene	**1800**		40	14	ug/L			09/12/18 11:37	40
Toluene	ND		40	20	ug/L			09/12/18 11:37	40

Client Sample ID: OW-28B
Date Collected: 09/11/18 14:34
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	**110**		40	36	ug/L			09/12/18 11:37	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			09/12/18 11:37	40
Trichloroethene	**4800**	**E**	40	18	ug/L			09/12/18 11:37	40
Trichlorofluoromethane	ND		40	35	ug/L			09/12/18 11:37	40
Vinyl acetate	ND		200	34	ug/L			09/12/18 11:37	40
Vinyl chloride	**600**		40	36	ug/L			09/12/18 11:37	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/12/18 11:37*	*40*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*09/12/18 11:37*	*40*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/12/18 11:37*	*40*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/12/18 11:37*	*40*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	35	ug/L			09/13/18 00:42	100
1,1,1-Trichloroethane	ND		100	82	ug/L			09/13/18 00:42	100
1,1,2,2-Tetrachloroethane	**360**		100	21	ug/L			09/13/18 00:42	100
1,1,2-Trichloroethane	ND		100	23	ug/L			09/13/18 00:42	100
1,1-Dichloroethane	ND		100	38	ug/L			09/13/18 00:42	100
1,1-Dichloroethene	ND		100	29	ug/L			09/13/18 00:42	100
1,1-Dichloropropene	ND		100	72	ug/L			09/13/18 00:42	100
1,2,3-Trichlorobenzene	ND		100	41	ug/L			09/13/18 00:42	100
1,2,3-Trichloropropane	ND		100	89	ug/L			09/13/18 00:42	100
1,2,4-Trichlorobenzene	**46**	**J**	100	41	ug/L			09/13/18 00:42	100
1,2,4-Trimethylbenzene	ND		100	75	ug/L			09/13/18 00:42	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			09/13/18 00:42	100
1,2-Dibromoethane	ND		100	73	ug/L			09/13/18 00:42	100
1,2-Dichlorobenzene	**100**		100	79	ug/L			09/13/18 00:42	100
1,2-Dichloroethane	ND		100	21	ug/L			09/13/18 00:42	100
1,2-Dichloropropane	ND		100	72	ug/L			09/13/18 00:42	100
1,3,5-Trimethylbenzene	ND		100	77	ug/L			09/13/18 00:42	100
1,3-Dichlorobenzene	**96**	**J**	100	78	ug/L			09/13/18 00:42	100
1,3-Dichloropropane	ND		100	75	ug/L			09/13/18 00:42	100
1,4-Dichlorobenzene	**150**		100	84	ug/L			09/13/18 00:42	100
2,2-Dichloropropane	ND		100	40	ug/L			09/13/18 00:42	100
2-Butanone (MEK)	ND		1000	130	ug/L			09/13/18 00:42	100
2-Chloroethyl vinyl ether	ND		500	96	ug/L			09/13/18 00:42	100
2-Hexanone	ND		500	120	ug/L			09/13/18 00:42	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			09/13/18 00:42	100
Acetone	ND		1000	300	ug/L			09/13/18 00:42	100
Benzene	**53**	**J**	100	41	ug/L			09/13/18 00:42	100
Bromobenzene	ND		100	80	ug/L			09/13/18 00:42	100
Bromochloromethane	ND		100	87	ug/L			09/13/18 00:42	100
Bromodichloromethane	ND		100	39	ug/L			09/13/18 00:42	100
Bromoform	ND		100	26	ug/L			09/13/18 00:42	100
Bromomethane	ND		100	69	ug/L			09/13/18 00:42	100
Carbon disulfide	ND		100	19	ug/L			09/13/18 00:42	100
Carbon tetrachloride	ND		100	27	ug/L			09/13/18 00:42	100
Chlorobenzene	**190**		100	75	ug/L			09/13/18 00:42	100

Client Sample ID: OW-28B
Date Collected: 09/11/18 14:34
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		100	32	ug/L			09/13/18 00:42	100
Chloroethane	ND	F1	100	32	ug/L			09/13/18 00:42	100
Chloroform	ND		100	34	ug/L			09/13/18 00:42	100
Chloromethane	ND		100	35	ug/L			09/13/18 00:42	100
cis-1,2-Dichloroethene	**4900**		100	81	ug/L			09/13/18 00:42	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			09/13/18 00:42	100
Dichlorodifluoromethane	ND		100	68	ug/L			09/13/18 00:42	100
Ethylbenzene	ND		100	74	ug/L			09/13/18 00:42	100
Hexachlorobutadiene	ND		100	28	ug/L			09/13/18 00:42	100
Isopropylbenzene	ND		100	79	ug/L			09/13/18 00:42	100
Methyl tert-butyl ether	ND		100	16	ug/L			09/13/18 00:42	100
Methylene Chloride	ND		100	44	ug/L			09/13/18 00:42	100
m-Xylene & p-Xylene	ND		200	66	ug/L			09/13/18 00:42	100
Naphthalene	ND		100	43	ug/L			09/13/18 00:42	100
n-Butylbenzene	ND		100	64	ug/L			09/13/18 00:42	100
N-Propylbenzene	ND		100	69	ug/L			09/13/18 00:42	100
o-Chlorotoluene	ND		100	86	ug/L			09/13/18 00:42	100
o-Xylene	ND		100	76	ug/L			09/13/18 00:42	100
p-Chlorotoluene	ND		100	84	ug/L			09/13/18 00:42	100
p-Cymene	ND		100	31	ug/L			09/13/18 00:42	100
sec-Butylbenzene	ND		100	75	ug/L			09/13/18 00:42	100
Styrene	ND		100	73	ug/L			09/13/18 00:42	100
tert-Butylbenzene	ND		100	81	ug/L			09/13/18 00:42	100
Tetrachloroethene	**1600**		100	36	ug/L			09/13/18 00:42	100
Toluene	ND		100	51	ug/L			09/13/18 00:42	100
trans-1,2-Dichloroethene	**99**	**J**	100	90	ug/L			09/13/18 00:42	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			09/13/18 00:42	100
Trichloroethene	**4400**		100	46	ug/L			09/13/18 00:42	100
Trichlorofluoromethane	ND		100	88	ug/L			09/13/18 00:42	100
Vinyl acetate	ND		500	85	ug/L			09/13/18 00:42	100
Vinyl chloride	**510**		100	90	ug/L			09/13/18 00:42	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*09/13/18 00:42*	*100*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*09/13/18 00:42*	*100*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/13/18 00:42*	*100*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/13/18 00:42*	*100*

Client Sample ID: OW-15A
Date Collected: 09/11/18 14:26
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		20	7.0	ug/L			09/12/18 12:01	20
1,1,1-Trichloroethane	ND		20	16	ug/L			09/12/18 12:01	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			09/12/18 12:01	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			09/12/18 12:01	20
1,1-Dichloroethane	ND		20	7.6	ug/L			09/12/18 12:01	20
1,1-Dichloroethene	ND		20	5.8	ug/L			09/12/18 12:01	20

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: OW-15A
Date Collected: 09/11/18 14:26
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		20	14	ug/L			09/12/18 12:01	20
1,2,3-Trichlorobenzene	ND		20	8.2	ug/L			09/12/18 12:01	20
1,2,3-Trichloropropane	ND		20	18	ug/L			09/12/18 12:01	20
1,2,4-Trichlorobenzene	**290**		20	8.2	ug/L			09/12/18 12:01	20
1,2,4-Trimethylbenzene	ND		20	15	ug/L			09/12/18 12:01	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			09/12/18 12:01	20
1,2-Dibromoethane	ND		20	15	ug/L			09/12/18 12:01	20
1,2-Dichlorobenzene	**1100**		20	16	ug/L			09/12/18 12:01	20
1,2-Dichloroethane	ND		20	4.2	ug/L			09/12/18 12:01	20
1,2-Dichloropropane	ND		20	14	ug/L			09/12/18 12:01	20
1,3,5-Trimethylbenzene	ND		20	15	ug/L			09/12/18 12:01	20
1,3-Dichlorobenzene	**190**		20	16	ug/L			09/12/18 12:01	20
1,3-Dichloropropane	ND		20	15	ug/L			09/12/18 12:01	20
1,4-Dichlorobenzene	**180**		20	17	ug/L			09/12/18 12:01	20
2,2-Dichloropropane	ND		20	8.0	ug/L			09/12/18 12:01	20
2-Butanone (MEK)	ND		200	26	ug/L			09/12/18 12:01	20
2-Chloroethyl vinyl ether	ND		100	19	ug/L			09/12/18 12:01	20
2-Hexanone	ND		100	25	ug/L			09/12/18 12:01	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			09/12/18 12:01	20
Acetone	ND		200	60	ug/L			09/12/18 12:01	20
Benzene	ND		20	8.2	ug/L			09/12/18 12:01	20
Bromobenzene	ND		20	16	ug/L			09/12/18 12:01	20
Bromochloromethane	ND		20	17	ug/L			09/12/18 12:01	20
Bromodichloromethane	ND		20	7.8	ug/L			09/12/18 12:01	20
Bromoform	ND		20	5.2	ug/L			09/12/18 12:01	20
Bromomethane	ND		20	14	ug/L			09/12/18 12:01	20
Carbon disulfide	ND		20	3.8	ug/L			09/12/18 12:01	20
Carbon tetrachloride	ND		20	5.4	ug/L			09/12/18 12:01	20
Chlorobenzene	**140**		20	15	ug/L			09/12/18 12:01	20
Chlorodibromomethane	ND		20	6.4	ug/L			09/12/18 12:01	20
Chloroethane	ND		20	6.4	ug/L			09/12/18 12:01	20
Chloroform	ND		20	6.8	ug/L			09/12/18 12:01	20
Chloromethane	ND		20	7.0	ug/L			09/12/18 12:01	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			09/12/18 12:01	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			09/12/18 12:01	20
Dichlorodifluoromethane	ND		20	14	ug/L			09/12/18 12:01	20
Ethylbenzene	ND		20	15	ug/L			09/12/18 12:01	20
Hexachlorobutadiene	ND		20	5.6	ug/L			09/12/18 12:01	20
Isopropylbenzene	ND		20	16	ug/L			09/12/18 12:01	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			09/12/18 12:01	20
Methylene Chloride	ND		20	8.8	ug/L			09/12/18 12:01	20
m-Xylene & p-Xylene	ND		40	13	ug/L			09/12/18 12:01	20
Naphthalene	ND		20	8.6	ug/L			09/12/18 12:01	20
n-Butylbenzene	ND		20	13	ug/L			09/12/18 12:01	20
N-Propylbenzene	ND		20	14	ug/L			09/12/18 12:01	20
o-Chlorotoluene	ND		20	17	ug/L			09/12/18 12:01	20
o-Xylene	ND		20	15	ug/L			09/12/18 12:01	20
p-Chlorotoluene	ND		20	17	ug/L			09/12/18 12:01	20
p-Cymene	ND		20	6.2	ug/L			09/12/18 12:01	20

Client Sample ID: OW-15A

Lab Sample ID: 480-141571-5

Date Collected: 09/11/18 14:26

Matrix: Water

Date Received: 09/11/18 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		20	15	ug/L			09/12/18 12:01	20
Styrene	ND		20	15	ug/L			09/12/18 12:01	20
tert-Butylbenzene	ND		20	16	ug/L			09/12/18 12:01	20
Tetrachloroethene	ND		20	7.2	ug/L			09/12/18 12:01	20
Toluene	ND		20	10	ug/L			09/12/18 12:01	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			09/12/18 12:01	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			09/12/18 12:01	20
Trichloroethene	ND		20	9.2	ug/L			09/12/18 12:01	20
Trichlorofluoromethane	ND		20	18	ug/L			09/12/18 12:01	20
Vinyl acetate	ND		100	17	ug/L			09/12/18 12:01	20
Vinyl chloride	ND		20	18	ug/L			09/12/18 12:01	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*09/12/18 12:01*	*20*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*09/12/18 12:01*	*20*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/12/18 12:01*	*20*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/12/18 12:01*	*20*

Client Sample ID: MW-5CD

Lab Sample ID: 480-141571-6

Date Collected: 09/11/18 11:18

Matrix: Water

Date Received: 09/11/18 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		40	14	ug/L			09/12/18 12:24	40
1,1,1-Trichloroethane	ND		40	33	ug/L			09/12/18 12:24	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			09/12/18 12:24	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			09/12/18 12:24	40
1,1-Dichloroethane	ND		40	15	ug/L			09/12/18 12:24	40
1,1-Dichloroethene	ND		40	12	ug/L			09/12/18 12:24	40
1,1-Dichloropropene	ND		40	29	ug/L			09/12/18 12:24	40
1,2,3-Trichlorobenzene	ND		40	16	ug/L			09/12/18 12:24	40
1,2,3-Trichloropropane	ND		40	36	ug/L			09/12/18 12:24	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			09/12/18 12:24	40
1,2,4-Trimethylbenzene	ND		40	30	ug/L			09/12/18 12:24	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			09/12/18 12:24	40
1,2-Dibromoethane	ND		40	29	ug/L			09/12/18 12:24	40
1,2-Dichlorobenzene	**58**		40	32	ug/L			09/12/18 12:24	40
1,2-Dichloroethane	ND		40	8.4	ug/L			09/12/18 12:24	40
1,2-Dichloropropane	ND		40	29	ug/L			09/12/18 12:24	40
1,3,5-Trimethylbenzene	ND		40	31	ug/L			09/12/18 12:24	40
1,3-Dichlorobenzene	ND		40	31	ug/L			09/12/18 12:24	40
1,3-Dichloropropane	ND		40	30	ug/L			09/12/18 12:24	40
1,4-Dichlorobenzene	ND		40	34	ug/L			09/12/18 12:24	40
2,2-Dichloropropane	ND		40	16	ug/L			09/12/18 12:24	40
2-Butanone (MEK)	ND		400	53	ug/L			09/12/18 12:24	40
2-Chloroethyl vinyl ether	ND		200	38	ug/L			09/12/18 12:24	40
2-Hexanone	ND		200	50	ug/L			09/12/18 12:24	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			09/12/18 12:24	40
Acetone	ND		400	120	ug/L			09/12/18 12:24	40

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: MW-5CD
Date Collected: 09/11/18 11:18
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**33**	**J**	40	16	ug/L			09/12/18 12:24	40
Bromobenzene	ND		40	32	ug/L			09/12/18 12:24	40
Bromochloromethane	ND		40	35	ug/L			09/12/18 12:24	40
Bromodichloromethane	ND		40	16	ug/L			09/12/18 12:24	40
Bromoform	ND		40	10	ug/L			09/12/18 12:24	40
Bromomethane	ND		40	28	ug/L			09/12/18 12:24	40
Carbon disulfide	ND		40	7.6	ug/L			09/12/18 12:24	40
Carbon tetrachloride	ND		40	11	ug/L			09/12/18 12:24	40
Chlorobenzene	ND		40	30	ug/L			09/12/18 12:24	40
Chlorodibromomethane	ND		40	13	ug/L			09/12/18 12:24	40
Chloroethane	ND		40	13	ug/L			09/12/18 12:24	40
Chloroform	ND		40	14	ug/L			09/12/18 12:24	40
Chloromethane	ND		40	14	ug/L			09/12/18 12:24	40
cis-1,2-Dichloroethene	**1500**		40	32	ug/L			09/12/18 12:24	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			09/12/18 12:24	40
Dichlorodifluoromethane	ND		40	27	ug/L			09/12/18 12:24	40
Ethylbenzene	ND		40	30	ug/L			09/12/18 12:24	40
Hexachlorobutadiene	ND		40	11	ug/L			09/12/18 12:24	40
Isopropylbenzene	ND		40	32	ug/L			09/12/18 12:24	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			09/12/18 12:24	40
Methylene Chloride	ND		40	18	ug/L			09/12/18 12:24	40
m-Xylene & p-Xylene	ND		80	26	ug/L			09/12/18 12:24	40
Naphthalene	ND		40	17	ug/L			09/12/18 12:24	40
n-Butylbenzene	ND		40	26	ug/L			09/12/18 12:24	40
N-Propylbenzene	ND		40	28	ug/L			09/12/18 12:24	40
o-Chlorotoluene	ND		40	34	ug/L			09/12/18 12:24	40
o-Xylene	ND		40	30	ug/L			09/12/18 12:24	40
p-Chlorotoluene	ND		40	34	ug/L			09/12/18 12:24	40
p-Cymene	ND		40	12	ug/L			09/12/18 12:24	40
sec-Butylbenzene	ND		40	30	ug/L			09/12/18 12:24	40
Styrene	ND		40	29	ug/L			09/12/18 12:24	40
tert-Butylbenzene	ND		40	32	ug/L			09/12/18 12:24	40
Tetrachloroethene	ND		40	14	ug/L			09/12/18 12:24	40
Toluene	ND		40	20	ug/L			09/12/18 12:24	40
trans-1,2-Dichloroethene	**61**		40	36	ug/L			09/12/18 12:24	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			09/12/18 12:24	40
Trichloroethene	ND		40	18	ug/L			09/12/18 12:24	40
Trichlorofluoromethane	ND		40	35	ug/L			09/12/18 12:24	40
Vinyl acetate	ND		200	34	ug/L			09/12/18 12:24	40
Vinyl chloride	**870**		40	36	ug/L			09/12/18 12:24	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/12/18 12:24*	*40*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*09/12/18 12:24*	*40*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*09/12/18 12:24*	*40*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/12/18 12:24*	*40*

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: OW-12B
Date Collected: 09/11/18 11:25
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/13/18 01:05	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/13/18 01:05	1
1,1,2,2-Tetrachloroethane	**0.99**	**J**	1.0	0.21	ug/L			09/13/18 01:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/13/18 01:05	1
1,1-Dichloroethane	**1.5**		1.0	0.38	ug/L			09/13/18 01:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/13/18 01:05	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/13/18 01:05	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/13/18 01:05	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/13/18 01:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/13/18 01:05	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/13/18 01:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/13/18 01:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/13/18 01:05	1
1,2-Dichlorobenzene	**11**		1.0	0.79	ug/L			09/13/18 01:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/13/18 01:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/13/18 01:05	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/13/18 01:05	1
1,3-Dichlorobenzene	**6.8**		1.0	0.78	ug/L			09/13/18 01:05	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/13/18 01:05	1
1,4-Dichlorobenzene	**14**		1.0	0.84	ug/L			09/13/18 01:05	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/13/18 01:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/13/18 01:05	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/13/18 01:05	1
2-Hexanone	ND		5.0	1.2	ug/L			09/13/18 01:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/13/18 01:05	1
Acetone	ND		10	3.0	ug/L			09/13/18 01:05	1
Benzene	**4.7**		1.0	0.41	ug/L			09/13/18 01:05	1
Bromobenzene	ND		1.0	0.80	ug/L			09/13/18 01:05	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/13/18 01:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/13/18 01:05	1
Bromoform	ND		1.0	0.26	ug/L			09/13/18 01:05	1
Bromomethane	ND		1.0	0.69	ug/L			09/13/18 01:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/13/18 01:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/13/18 01:05	1
Chlorobenzene	**42**		1.0	0.75	ug/L			09/13/18 01:05	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/13/18 01:05	1
Chloroethane	ND		1.0	0.32	ug/L			09/13/18 01:05	1
Chloroform	ND		1.0	0.34	ug/L			09/13/18 01:05	1
Chloromethane	ND		1.0	0.35	ug/L			09/13/18 01:05	1
cis-1,2-Dichloroethene	**43**		1.0	0.81	ug/L			09/13/18 01:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/13/18 01:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/13/18 01:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/13/18 01:05	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			09/13/18 01:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/13/18 01:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/13/18 01:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/13/18 01:05	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/13/18 01:05	1
Naphthalene	ND		1.0	0.43	ug/L			09/13/18 01:05	1

Client Sample ID: OW-12B
Date Collected: 09/11/18 11:25
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.0	0.64	ug/L			09/13/18 01:05	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/13/18 01:05	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/13/18 01:05	1
o-Xylene	ND		1.0	0.76	ug/L			09/13/18 01:05	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/13/18 01:05	1
p-Cymene	ND		1.0	0.31	ug/L			09/13/18 01:05	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/13/18 01:05	1
Styrene	ND		1.0	0.73	ug/L			09/13/18 01:05	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/13/18 01:05	1
Tetrachloroethene	**2.4**		1.0	0.36	ug/L			09/13/18 01:05	1
Toluene	ND		1.0	0.51	ug/L			09/13/18 01:05	1
trans-1,2-Dichloroethene	**3.6**		1.0	0.90	ug/L			09/13/18 01:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/13/18 01:05	1
Trichloroethene	**3.9**		1.0	0.46	ug/L			09/13/18 01:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/13/18 01:05	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/13/18 01:05	1
Vinyl chloride	**2.2**		1.0	0.90	ug/L			09/13/18 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/13/18 01:05*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*09/13/18 01:05*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/13/18 01:05*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/13/18 01:05*	*1*

Client Sample ID: OW-9A
Date Collected: 09/11/18 11:35
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		50	18	ug/L			09/12/18 13:10	50
1,1,1-Trichloroethane	ND		50	41	ug/L			09/12/18 13:10	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			09/12/18 13:10	50
1,1,2-Trichloroethane	ND		50	12	ug/L			09/12/18 13:10	50
1,1-Dichloroethane	ND		50	19	ug/L			09/12/18 13:10	50
1,1-Dichloroethene	ND		50	15	ug/L			09/12/18 13:10	50
1,1-Dichloropropene	ND		50	36	ug/L			09/12/18 13:10	50
1,2,3-Trichlorobenzene	ND		50	21	ug/L			09/12/18 13:10	50
1,2,3-Trichloropropane	ND		50	45	ug/L			09/12/18 13:10	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			09/12/18 13:10	50
1,2,4-Trimethylbenzene	ND		50	38	ug/L			09/12/18 13:10	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			09/12/18 13:10	50
1,2-Dibromoethane	ND		50	37	ug/L			09/12/18 13:10	50
1,2-Dichlorobenzene	**470**		50	40	ug/L			09/12/18 13:10	50
1,2-Dichloroethane	ND		50	11	ug/L			09/12/18 13:10	50
1,2-Dichloropropane	ND		50	36	ug/L			09/12/18 13:10	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			09/12/18 13:10	50
1,3-Dichlorobenzene	ND		50	39	ug/L			09/12/18 13:10	50
1,3-Dichloropropane	ND		50	38	ug/L			09/12/18 13:10	50
1,4-Dichlorobenzene	ND		50	42	ug/L			09/12/18 13:10	50

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: OW-9A
Date Collected: 09/11/18 11:35
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		50	20	ug/L			09/12/18 13:10	50
2-Butanone (MEK)	ND		500	66	ug/L			09/12/18 13:10	50
2-Chloroethyl vinyl ether	ND		250	48	ug/L			09/12/18 13:10	50
2-Hexanone	ND		250	62	ug/L			09/12/18 13:10	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			09/12/18 13:10	50
Acetone	ND		500	150	ug/L			09/12/18 13:10	50
Benzene	ND		50	21	ug/L			09/12/18 13:10	50
Bromobenzene	ND		50	40	ug/L			09/12/18 13:10	50
Bromochloromethane	ND		50	44	ug/L			09/12/18 13:10	50
Bromodichloromethane	ND		50	20	ug/L			09/12/18 13:10	50
Bromoform	ND		50	13	ug/L			09/12/18 13:10	50
Bromomethane	ND		50	35	ug/L			09/12/18 13:10	50
Carbon disulfide	ND		50	9.5	ug/L			09/12/18 13:10	50
Carbon tetrachloride	ND		50	14	ug/L			09/12/18 13:10	50
Chlorobenzene	ND		50	38	ug/L			09/12/18 13:10	50
Chlorodibromomethane	ND		50	16	ug/L			09/12/18 13:10	50
Chloroethane	ND		50	16	ug/L			09/12/18 13:10	50
Chloroform	ND		50	17	ug/L			09/12/18 13:10	50
Chloromethane	ND		50	18	ug/L			09/12/18 13:10	50
cis-1,2-Dichloroethene	**550**		50	41	ug/L			09/12/18 13:10	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			09/12/18 13:10	50
Dichlorodifluoromethane	ND		50	34	ug/L			09/12/18 13:10	50
Ethylbenzene	ND		50	37	ug/L			09/12/18 13:10	50
Hexachlorobutadiene	ND		50	14	ug/L			09/12/18 13:10	50
Isopropylbenzene	ND		50	40	ug/L			09/12/18 13:10	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			09/12/18 13:10	50
Methylene Chloride	ND		50	22	ug/L			09/12/18 13:10	50
m-Xylene & p-Xylene	ND		100	33	ug/L			09/12/18 13:10	50
Naphthalene	ND		50	22	ug/L			09/12/18 13:10	50
n-Butylbenzene	ND		50	32	ug/L			09/12/18 13:10	50
N-Propylbenzene	ND		50	35	ug/L			09/12/18 13:10	50
o-Chlorotoluene	ND		50	43	ug/L			09/12/18 13:10	50
o-Xylene	ND		50	38	ug/L			09/12/18 13:10	50
p-Chlorotoluene	ND		50	42	ug/L			09/12/18 13:10	50
p-Cymene	ND		50	16	ug/L			09/12/18 13:10	50
sec-Butylbenzene	ND		50	38	ug/L			09/12/18 13:10	50
Styrene	ND		50	37	ug/L			09/12/18 13:10	50
tert-Butylbenzene	ND		50	41	ug/L			09/12/18 13:10	50
Tetrachloroethene	**6100**	**E**	50	18	ug/L			09/12/18 13:10	50
Toluene	ND		50	26	ug/L			09/12/18 13:10	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			09/12/18 13:10	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			09/12/18 13:10	50
Trichloroethene	**420**		50	23	ug/L			09/12/18 13:10	50
Trichlorofluoromethane	ND		50	44	ug/L			09/12/18 13:10	50
Vinyl acetate	ND		250	43	ug/L			09/12/18 13:10	50
Vinyl chloride	ND		50	45	ug/L			09/12/18 13:10	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/12/18 13:10*	*50*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*09/12/18 13:10*	*50*

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: OW-9A
Date Collected: 09/11/18 11:35
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/12/18 13:10*	*50*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/12/18 13:10*	*50*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	35	ug/L			09/13/18 01:28	100
1,1,1-Trichloroethane	ND		100	82	ug/L			09/13/18 01:28	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			09/13/18 01:28	100
1,1,2-Trichloroethane	ND		100	23	ug/L			09/13/18 01:28	100
1,1-Dichloroethane	ND		100	38	ug/L			09/13/18 01:28	100
1,1-Dichloroethene	ND		100	29	ug/L			09/13/18 01:28	100
1,1-Dichloropropene	ND		100	72	ug/L			09/13/18 01:28	100
1,2,3-Trichlorobenzene	ND		100	41	ug/L			09/13/18 01:28	100
1,2,3-Trichloropropane	ND		100	89	ug/L			09/13/18 01:28	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			09/13/18 01:28	100
1,2,4-Trimethylbenzene	ND		100	75	ug/L			09/13/18 01:28	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			09/13/18 01:28	100
1,2-Dibromoethane	ND		100	73	ug/L			09/13/18 01:28	100
1,2-Dichlorobenzene	**450**		100	79	ug/L			09/13/18 01:28	100
1,2-Dichloroethane	ND		100	21	ug/L			09/13/18 01:28	100
1,2-Dichloropropane	ND		100	72	ug/L			09/13/18 01:28	100
1,3,5-Trimethylbenzene	ND		100	77	ug/L			09/13/18 01:28	100
1,3-Dichlorobenzene	ND		100	78	ug/L			09/13/18 01:28	100
1,3-Dichloropropane	ND		100	75	ug/L			09/13/18 01:28	100
1,4-Dichlorobenzene	ND		100	84	ug/L			09/13/18 01:28	100
2,2-Dichloropropane	ND		100	40	ug/L			09/13/18 01:28	100
2-Butanone (MEK)	ND		1000	130	ug/L			09/13/18 01:28	100
2-Chloroethyl vinyl ether	ND		500	96	ug/L			09/13/18 01:28	100
2-Hexanone	ND		500	120	ug/L			09/13/18 01:28	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			09/13/18 01:28	100
Acetone	ND		1000	300	ug/L			09/13/18 01:28	100
Benzene	ND		100	41	ug/L			09/13/18 01:28	100
Bromobenzene	ND		100	80	ug/L			09/13/18 01:28	100
Bromochloromethane	ND		100	87	ug/L			09/13/18 01:28	100
Bromodichloromethane	ND		100	39	ug/L			09/13/18 01:28	100
Bromoform	ND		100	26	ug/L			09/13/18 01:28	100
Bromomethane	ND		100	69	ug/L			09/13/18 01:28	100
Carbon disulfide	ND		100	19	ug/L			09/13/18 01:28	100
Carbon tetrachloride	ND		100	27	ug/L			09/13/18 01:28	100
Chlorobenzene	ND		100	75	ug/L			09/13/18 01:28	100
Chlorodibromomethane	ND		100	32	ug/L			09/13/18 01:28	100
Chloroethane	ND		100	32	ug/L			09/13/18 01:28	100
Chloroform	ND		100	34	ug/L			09/13/18 01:28	100
Chloromethane	ND		100	35	ug/L			09/13/18 01:28	100
cis-1,2-Dichloroethene	**480**		100	81	ug/L			09/13/18 01:28	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			09/13/18 01:28	100
Dichlorodifluoromethane	ND		100	68	ug/L			09/13/18 01:28	100
Ethylbenzene	ND		100	74	ug/L			09/13/18 01:28	100
Hexachlorobutadiene	ND		100	28	ug/L			09/13/18 01:28	100

Client Sample ID: OW-9A
Lab Sample ID: 480-141571-8

Date Collected: 09/11/18 11:35
Matrix: Water
Date Received: 09/11/18 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		100	79	ug/L			09/13/18 01:28	100
Methyl tert-butyl ether	ND		100	16	ug/L			09/13/18 01:28	100
Methylene Chloride	ND		100	44	ug/L			09/13/18 01:28	100
m-Xylene & p-Xylene	ND		200	66	ug/L			09/13/18 01:28	100
Naphthalene	ND		100	43	ug/L			09/13/18 01:28	100
n-Butylbenzene	ND		100	64	ug/L			09/13/18 01:28	100
N-Propylbenzene	ND		100	69	ug/L			09/13/18 01:28	100
o-Chlorotoluene	ND		100	86	ug/L			09/13/18 01:28	100
o-Xylene	ND		100	76	ug/L			09/13/18 01:28	100
p-Chlorotoluene	ND		100	84	ug/L			09/13/18 01:28	100
p-Cymene	ND		100	31	ug/L			09/13/18 01:28	100
sec-Butylbenzene	ND		100	75	ug/L			09/13/18 01:28	100
Styrene	ND		100	73	ug/L			09/13/18 01:28	100
tert-Butylbenzene	ND		100	81	ug/L			09/13/18 01:28	100
Tetrachloroethene	**4700**		100	36	ug/L			09/13/18 01:28	100
Toluene	ND		100	51	ug/L			09/13/18 01:28	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			09/13/18 01:28	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			09/13/18 01:28	100
Trichloroethene	**340**		100	46	ug/L			09/13/18 01:28	100
Trichlorofluoromethane	ND		100	88	ug/L			09/13/18 01:28	100
Vinyl acetate	ND		500	85	ug/L			09/13/18 01:28	100
Vinyl chloride	ND		100	90	ug/L			09/13/18 01:28	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*09/13/18 01:28*	*100*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*09/13/18 01:28*	*100*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*09/13/18 01:28*	*100*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/13/18 01:28*	*100*

Client Sample ID: OW-27B
Lab Sample ID: 480-141571-9

Date Collected: 09/11/18 11:45
Matrix: Water
Date Received: 09/11/18 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	35	ug/L			09/12/18 13:33	100
1,1,1-Trichloroethane	ND		100	82	ug/L			09/12/18 13:33	100
1,1,2,2-Tetrachloroethane	**100**		100	21	ug/L			09/12/18 13:33	100
1,1,2-Trichloroethane	ND		100	23	ug/L			09/12/18 13:33	100
1,1-Dichloroethane	ND		100	38	ug/L			09/12/18 13:33	100
1,1-Dichloroethene	ND		100	29	ug/L			09/12/18 13:33	100
1,1-Dichloropropene	ND		100	72	ug/L			09/12/18 13:33	100
1,2,3-Trichlorobenzene	ND		100	41	ug/L			09/12/18 13:33	100
1,2,3-Trichloropropane	ND		100	89	ug/L			09/12/18 13:33	100
1,2,4-Trichlorobenzene	**180**		100	41	ug/L			09/12/18 13:33	100
1,2,4-Trimethylbenzene	ND		100	75	ug/L			09/12/18 13:33	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			09/12/18 13:33	100
1,2-Dibromoethane	ND		100	73	ug/L			09/12/18 13:33	100
1,2-Dichlorobenzene	**1500**		100	79	ug/L			09/12/18 13:33	100
1,2-Dichloroethane	ND		100	21	ug/L			09/12/18 13:33	100

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: OW-27B
Date Collected: 09/11/18 11:45
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		100	72	ug/L			09/12/18 13:33	100
1,3,5-Trimethylbenzene	ND		100	77	ug/L			09/12/18 13:33	100
1,3-Dichlorobenzene	**770**		100	78	ug/L			09/12/18 13:33	100
1,3-Dichloropropane	ND		100	75	ug/L			09/12/18 13:33	100
1,4-Dichlorobenzene	**1800**		100	84	ug/L			09/12/18 13:33	100
2,2-Dichloropropane	ND		100	40	ug/L			09/12/18 13:33	100
2-Butanone (MEK)	ND		1000	130	ug/L			09/12/18 13:33	100
2-Chloroethyl vinyl ether	ND		500	96	ug/L			09/12/18 13:33	100
2-Hexanone	ND		500	120	ug/L			09/12/18 13:33	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			09/12/18 13:33	100
Acetone	ND		1000	300	ug/L			09/12/18 13:33	100
Benzene	**190**		100	41	ug/L			09/12/18 13:33	100
Bromobenzene	ND		100	80	ug/L			09/12/18 13:33	100
Bromochloromethane	ND		100	87	ug/L			09/12/18 13:33	100
Bromodichloromethane	ND		100	39	ug/L			09/12/18 13:33	100
Bromoform	ND		100	26	ug/L			09/12/18 13:33	100
Bromomethane	ND		100	69	ug/L			09/12/18 13:33	100
Carbon disulfide	ND		100	19	ug/L			09/12/18 13:33	100
Carbon tetrachloride	ND		100	27	ug/L			09/12/18 13:33	100
Chlorobenzene	**1000**		100	75	ug/L			09/12/18 13:33	100
Chlorodibromomethane	ND		100	32	ug/L			09/12/18 13:33	100
Chloroethane	ND		100	32	ug/L			09/12/18 13:33	100
Chloroform	ND		100	34	ug/L			09/12/18 13:33	100
Chloromethane	ND		100	35	ug/L			09/12/18 13:33	100
cis-1,2-Dichloroethene	**5800**		100	81	ug/L			09/12/18 13:33	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			09/12/18 13:33	100
Dichlorodifluoromethane	ND		100	68	ug/L			09/12/18 13:33	100
Ethylbenzene	ND		100	74	ug/L			09/12/18 13:33	100
Hexachlorobutadiene	ND		100	28	ug/L			09/12/18 13:33	100
Isopropylbenzene	ND		100	79	ug/L			09/12/18 13:33	100
Methyl tert-butyl ether	ND		100	16	ug/L			09/12/18 13:33	100
Methylene Chloride	ND		100	44	ug/L			09/12/18 13:33	100
m-Xylene & p-Xylene	ND		200	66	ug/L			09/12/18 13:33	100
Naphthalene	ND		100	43	ug/L			09/12/18 13:33	100
n-Butylbenzene	ND		100	64	ug/L			09/12/18 13:33	100
N-Propylbenzene	ND		100	69	ug/L			09/12/18 13:33	100
o-Chlorotoluene	ND		100	86	ug/L			09/12/18 13:33	100
o-Xylene	ND		100	76	ug/L			09/12/18 13:33	100
p-Chlorotoluene	ND		100	84	ug/L			09/12/18 13:33	100
p-Cymene	ND		100	31	ug/L			09/12/18 13:33	100
sec-Butylbenzene	ND		100	75	ug/L			09/12/18 13:33	100
Styrene	ND		100	73	ug/L			09/12/18 13:33	100
tert-Butylbenzene	ND		100	81	ug/L			09/12/18 13:33	100
Tetrachloroethene	**120**		100	36	ug/L			09/12/18 13:33	100
Toluene	ND		100	51	ug/L			09/12/18 13:33	100
trans-1,2-Dichloroethene	**160**		100	90	ug/L			09/12/18 13:33	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			09/12/18 13:33	100
Trichloroethene	**690**		100	46	ug/L			09/12/18 13:33	100
Trichlorofluoromethane	ND		100	88	ug/L			09/12/18 13:33	100

Client Sample ID: OW-27B

Lab Sample ID: 480-141571-9

Date Collected: 09/11/18 11:45

Matrix: Water

Date Received: 09/11/18 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	ND		500	85	ug/L			09/12/18 13:33	100
Vinyl chloride	**460**		100	90	ug/L			09/12/18 13:33	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*09/12/18 13:33*	*100*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*09/12/18 13:33*	*100*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/12/18 13:33*	*100*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/12/18 13:33*	*100*

Client Sample ID: MW-1C

Lab Sample ID: 480-141571-10

Date Collected: 09/11/18 16:08

Matrix: Water

Date Received: 09/11/18 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		50	18	ug/L			09/12/18 13:57	50
1,1,1-Trichloroethane	ND		50	41	ug/L			09/12/18 13:57	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			09/12/18 13:57	50
1,1,2-Trichloroethane	ND		50	12	ug/L			09/12/18 13:57	50
1,1-Dichloroethane	ND		50	19	ug/L			09/12/18 13:57	50
1,1-Dichloroethene	ND		50	15	ug/L			09/12/18 13:57	50
1,1-Dichloropropene	ND		50	36	ug/L			09/12/18 13:57	50
1,2,3-Trichlorobenzene	ND		50	21	ug/L			09/12/18 13:57	50
1,2,3-Trichloropropane	ND		50	45	ug/L			09/12/18 13:57	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			09/12/18 13:57	50
1,2,4-Trimethylbenzene	ND		50	38	ug/L			09/12/18 13:57	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			09/12/18 13:57	50
1,2-Dibromoethane	ND		50	37	ug/L			09/12/18 13:57	50
1,2-Dichlorobenzene	ND		50	40	ug/L			09/12/18 13:57	50
1,2-Dichloroethane	ND		50	11	ug/L			09/12/18 13:57	50
1,2-Dichloropropane	ND		50	36	ug/L			09/12/18 13:57	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			09/12/18 13:57	50
1,3-Dichlorobenzene	ND		50	39	ug/L			09/12/18 13:57	50
1,3-Dichloropropane	ND		50	38	ug/L			09/12/18 13:57	50
1,4-Dichlorobenzene	ND		50	42	ug/L			09/12/18 13:57	50
2,2-Dichloropropane	ND		50	20	ug/L			09/12/18 13:57	50
2-Butanone (MEK)	ND		500	66	ug/L			09/12/18 13:57	50
2-Chloroethyl vinyl ether	ND		250	48	ug/L			09/12/18 13:57	50
2-Hexanone	ND		250	62	ug/L			09/12/18 13:57	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			09/12/18 13:57	50
Acetone	ND		500	150	ug/L			09/12/18 13:57	50
Benzene	**1100**		50	21	ug/L			09/12/18 13:57	50
Bromobenzene	ND		50	40	ug/L			09/12/18 13:57	50
Bromochloromethane	ND		50	44	ug/L			09/12/18 13:57	50
Bromodichloromethane	ND		50	20	ug/L			09/12/18 13:57	50
Bromoform	ND		50	13	ug/L			09/12/18 13:57	50
Bromomethane	ND		50	35	ug/L			09/12/18 13:57	50
Carbon disulfide	ND		50	9.5	ug/L			09/12/18 13:57	50
Carbon tetrachloride	ND		50	14	ug/L			09/12/18 13:57	50
Chlorobenzene	**43**	**J**	50	38	ug/L			09/12/18 13:57	50

Client Sample ID: MW-1C
Date Collected: 09/11/18 16:08
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-10
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		50	16	ug/L			09/12/18 13:57	50
Chloroethane	ND		50	16	ug/L			09/12/18 13:57	50
Chloroform	ND		50	17	ug/L			09/12/18 13:57	50
Chloromethane	ND		50	18	ug/L			09/12/18 13:57	50
cis-1,2-Dichloroethene	**4000**		50	41	ug/L			09/12/18 13:57	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			09/12/18 13:57	50
Dichlorodifluoromethane	ND		50	34	ug/L			09/12/18 13:57	50
Ethylbenzene	ND		50	37	ug/L			09/12/18 13:57	50
Hexachlorobutadiene	ND		50	14	ug/L			09/12/18 13:57	50
Isopropylbenzene	ND		50	40	ug/L			09/12/18 13:57	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			09/12/18 13:57	50
Methylene Chloride	ND		50	22	ug/L			09/12/18 13:57	50
m-Xylene & p-Xylene	ND		100	33	ug/L			09/12/18 13:57	50
Naphthalene	ND		50	22	ug/L			09/12/18 13:57	50
n-Butylbenzene	ND		50	32	ug/L			09/12/18 13:57	50
N-Propylbenzene	ND		50	35	ug/L			09/12/18 13:57	50
o-Chlorotoluene	ND		50	43	ug/L			09/12/18 13:57	50
o-Xylene	ND		50	38	ug/L			09/12/18 13:57	50
p-Chlorotoluene	ND		50	42	ug/L			09/12/18 13:57	50
p-Cymene	ND		50	16	ug/L			09/12/18 13:57	50
sec-Butylbenzene	ND		50	38	ug/L			09/12/18 13:57	50
Styrene	ND		50	37	ug/L			09/12/18 13:57	50
tert-Butylbenzene	ND		50	41	ug/L			09/12/18 13:57	50
Tetrachloroethene	ND		50	18	ug/L			09/12/18 13:57	50
Toluene	ND		50	26	ug/L			09/12/18 13:57	50
trans-1,2-Dichloroethene	**200**		50	45	ug/L			09/12/18 13:57	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			09/12/18 13:57	50
Trichloroethene	ND		50	23	ug/L			09/12/18 13:57	50
Trichlorofluoromethane	ND		50	44	ug/L			09/12/18 13:57	50
Vinyl acetate	ND		250	43	ug/L			09/12/18 13:57	50
Vinyl chloride	**1500**		50	45	ug/L			09/12/18 13:57	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/12/18 13:57*	*50*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*09/12/18 13:57*	*50*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/12/18 13:57*	*50*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/12/18 13:57*	*50*

Client Sample ID: MW-1B
Date Collected: 09/11/18 15:58
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200	70	ug/L			09/12/18 14:20	200
1,1,1-Trichloroethane	ND		200	160	ug/L			09/12/18 14:20	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			09/12/18 14:20	200
1,1,2-Trichloroethane	ND		200	46	ug/L			09/12/18 14:20	200
1,1-Dichloroethane	ND		200	76	ug/L			09/12/18 14:20	200
1,1-Dichloroethene	ND		200	58	ug/L			09/12/18 14:20	200

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: MW-1B
Date Collected: 09/11/18 15:58
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		200	140	ug/L			09/12/18 14:20	200
1,2,3-Trichlorobenzene	**330**		200	82	ug/L			09/12/18 14:20	200
1,2,3-Trichloropropane	ND		200	180	ug/L			09/12/18 14:20	200
1,2,4-Trichlorobenzene	**930**		200	82	ug/L			09/12/18 14:20	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			09/12/18 14:20	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			09/12/18 14:20	200
1,2-Dibromoethane	ND		200	150	ug/L			09/12/18 14:20	200
1,2-Dichlorobenzene	**7200**		200	160	ug/L			09/12/18 14:20	200
1,2-Dichloroethane	ND		200	42	ug/L			09/12/18 14:20	200
1,2-Dichloropropane	ND		200	140	ug/L			09/12/18 14:20	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			09/12/18 14:20	200
1,3-Dichlorobenzene	**6300**		200	160	ug/L			09/12/18 14:20	200
1,3-Dichloropropane	ND		200	150	ug/L			09/12/18 14:20	200
1,4-Dichlorobenzene	**31000**	**E**	200	170	ug/L			09/12/18 14:20	200
2,2-Dichloropropane	ND		200	80	ug/L			09/12/18 14:20	200
2-Butanone (MEK)	ND		2000	260	ug/L			09/12/18 14:20	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			09/12/18 14:20	200
2-Hexanone	ND		1000	250	ug/L			09/12/18 14:20	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			09/12/18 14:20	200
Acetone	ND		2000	600	ug/L			09/12/18 14:20	200
Benzene	**1200**		200	82	ug/L			09/12/18 14:20	200
Bromobenzene	ND		200	160	ug/L			09/12/18 14:20	200
Bromochloromethane	ND		200	170	ug/L			09/12/18 14:20	200
Bromodichloromethane	ND		200	78	ug/L			09/12/18 14:20	200
Bromoform	ND		200	52	ug/L			09/12/18 14:20	200
Bromomethane	ND		200	140	ug/L			09/12/18 14:20	200
Carbon disulfide	ND		200	38	ug/L			09/12/18 14:20	200
Carbon tetrachloride	ND		200	54	ug/L			09/12/18 14:20	200
Chlorobenzene	**71000**	**E**	200	150	ug/L			09/12/18 14:20	200
Chlorodibromomethane	ND		200	64	ug/L			09/12/18 14:20	200
Chloroethane	ND		200	64	ug/L			09/12/18 14:20	200
Chloroform	ND		200	68	ug/L			09/12/18 14:20	200
Chloromethane	ND		200	70	ug/L			09/12/18 14:20	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			09/12/18 14:20	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			09/12/18 14:20	200
Dichlorodifluoromethane	ND		200	140	ug/L			09/12/18 14:20	200
Ethylbenzene	ND		200	150	ug/L			09/12/18 14:20	200
Hexachlorobutadiene	ND		200	56	ug/L			09/12/18 14:20	200
Isopropylbenzene	ND		200	160	ug/L			09/12/18 14:20	200
Methyl tert-butyl ether	ND		200	32	ug/L			09/12/18 14:20	200
Methylene Chloride	ND		200	88	ug/L			09/12/18 14:20	200
m-Xylene & p-Xylene	ND		400	130	ug/L			09/12/18 14:20	200
Naphthalene	ND		200	86	ug/L			09/12/18 14:20	200
n-Butylbenzene	ND		200	130	ug/L			09/12/18 14:20	200
N-Propylbenzene	ND		200	140	ug/L			09/12/18 14:20	200
o-Chlorotoluene	ND		200	170	ug/L			09/12/18 14:20	200
o-Xylene	ND		200	150	ug/L			09/12/18 14:20	200
p-Chlorotoluene	ND		200	170	ug/L			09/12/18 14:20	200
p-Cymene	ND		200	62	ug/L			09/12/18 14:20	200

Client Sample ID: MW-1B
Date Collected: 09/11/18 15:58
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		200	150	ug/L			09/12/18 14:20	200
Styrene	ND		200	150	ug/L			09/12/18 14:20	200
tert-Butylbenzene	ND		200	160	ug/L			09/12/18 14:20	200
Tetrachloroethene	ND		200	72	ug/L			09/12/18 14:20	200
Toluene	ND		200	100	ug/L			09/12/18 14:20	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			09/12/18 14:20	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			09/12/18 14:20	200
Trichloroethene	ND		200	92	ug/L			09/12/18 14:20	200
Trichlorofluoromethane	ND		200	180	ug/L			09/12/18 14:20	200
Vinyl acetate	ND		1000	170	ug/L			09/12/18 14:20	200
Vinyl chloride	ND		200	180	ug/L			09/12/18 14:20	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*09/12/18 14:20*	*200*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*09/12/18 14:20*	*200*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/12/18 14:20*	*200*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/12/18 14:20*	*200*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2000	700	ug/L			09/13/18 01:51	2000
1,1,1-Trichloroethane	ND		2000	1600	ug/L			09/13/18 01:51	2000
1,1,2,2-Tetrachloroethane	ND		2000	420	ug/L			09/13/18 01:51	2000
1,1,2-Trichloroethane	ND		2000	460	ug/L			09/13/18 01:51	2000
1,1-Dichloroethane	ND		2000	760	ug/L			09/13/18 01:51	2000
1,1-Dichloroethene	ND		2000	580	ug/L			09/13/18 01:51	2000
1,1-Dichloropropene	ND		2000	1400	ug/L			09/13/18 01:51	2000
1,2,3-Trichlorobenzene	ND		2000	820	ug/L			09/13/18 01:51	2000
1,2,3-Trichloropropane	ND		2000	1800	ug/L			09/13/18 01:51	2000
1,2,4-Trichlorobenzene	ND		2000	820	ug/L			09/13/18 01:51	2000
1,2,4-Trimethylbenzene	ND		2000	1500	ug/L			09/13/18 01:51	2000
1,2-Dibromo-3-Chloropropane	ND		2000	780	ug/L			09/13/18 01:51	2000
1,2-Dibromoethane	ND		2000	1500	ug/L			09/13/18 01:51	2000
1,2-Dichlorobenzene	**4300**		2000	1600	ug/L			09/13/18 01:51	2000
1,2-Dichloroethane	ND		2000	420	ug/L			09/13/18 01:51	2000
1,2-Dichloropropane	ND		2000	1400	ug/L			09/13/18 01:51	2000
1,3,5-Trimethylbenzene	ND		2000	1500	ug/L			09/13/18 01:51	2000
1,3-Dichlorobenzene	**2900**		2000	1600	ug/L			09/13/18 01:51	2000
1,3-Dichloropropane	ND		2000	1500	ug/L			09/13/18 01:51	2000
1,4-Dichlorobenzene	**14000**		2000	1700	ug/L			09/13/18 01:51	2000
2,2-Dichloropropane	ND		2000	800	ug/L			09/13/18 01:51	2000
2-Butanone (MEK)	ND		20000	2600	ug/L			09/13/18 01:51	2000
2-Chloroethyl vinyl ether	ND		10000	1900	ug/L			09/13/18 01:51	2000
2-Hexanone	ND		10000	2500	ug/L			09/13/18 01:51	2000
4-Methyl-2-pentanone (MIBK)	ND		10000	4200	ug/L			09/13/18 01:51	2000
Acetone	ND		20000	6000	ug/L			09/13/18 01:51	2000
Benzene	**950**	**J**	2000	820	ug/L			09/13/18 01:51	2000
Bromobenzene	ND		2000	1600	ug/L			09/13/18 01:51	2000
Bromochloromethane	ND		2000	1700	ug/L			09/13/18 01:51	2000
Bromodichloromethane	ND		2000	780	ug/L			09/13/18 01:51	2000

Client Sample ID: MW-1B
Date Collected: 09/11/18 15:58
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		2000	520	ug/L			09/13/18 01:51	2000
Bromomethane	ND		2000	1400	ug/L			09/13/18 01:51	2000
Carbon disulfide	ND		2000	380	ug/L			09/13/18 01:51	2000
Carbon tetrachloride	ND		2000	540	ug/L			09/13/18 01:51	2000
Chlorobenzene	**55000**		2000	1500	ug/L			09/13/18 01:51	2000
Chlorodibromomethane	ND		2000	640	ug/L			09/13/18 01:51	2000
Chloroethane	ND		2000	640	ug/L			09/13/18 01:51	2000
Chloroform	ND		2000	680	ug/L			09/13/18 01:51	2000
Chloromethane	ND		2000	700	ug/L			09/13/18 01:51	2000
cis-1,2-Dichloroethene	ND		2000	1600	ug/L			09/13/18 01:51	2000
cis-1,3-Dichloropropene	ND		2000	720	ug/L			09/13/18 01:51	2000
Dichlorodifluoromethane	ND		2000	1400	ug/L			09/13/18 01:51	2000
Ethylbenzene	ND		2000	1500	ug/L			09/13/18 01:51	2000
Hexachlorobutadiene	ND		2000	560	ug/L			09/13/18 01:51	2000
Isopropylbenzene	ND		2000	1600	ug/L			09/13/18 01:51	2000
Methyl tert-butyl ether	ND		2000	320	ug/L			09/13/18 01:51	2000
Methylene Chloride	ND		2000	880	ug/L			09/13/18 01:51	2000
m-Xylene & p-Xylene	ND		4000	1300	ug/L			09/13/18 01:51	2000
Naphthalene	ND		2000	860	ug/L			09/13/18 01:51	2000
n-Butylbenzene	ND		2000	1300	ug/L			09/13/18 01:51	2000
N-Propylbenzene	ND		2000	1400	ug/L			09/13/18 01:51	2000
o-Chlorotoluene	ND		2000	1700	ug/L			09/13/18 01:51	2000
o-Xylene	ND		2000	1500	ug/L			09/13/18 01:51	2000
p-Chlorotoluene	ND		2000	1700	ug/L			09/13/18 01:51	2000
p-Cymene	ND		2000	620	ug/L			09/13/18 01:51	2000
sec-Butylbenzene	ND		2000	1500	ug/L			09/13/18 01:51	2000
Styrene	ND		2000	1500	ug/L			09/13/18 01:51	2000
tert-Butylbenzene	ND		2000	1600	ug/L			09/13/18 01:51	2000
Tetrachloroethene	ND		2000	720	ug/L			09/13/18 01:51	2000
Toluene	ND		2000	1000	ug/L			09/13/18 01:51	2000
trans-1,2-Dichloroethene	ND		2000	1800	ug/L			09/13/18 01:51	2000
trans-1,3-Dichloropropene	ND		2000	740	ug/L			09/13/18 01:51	2000
Trichloroethene	ND		2000	920	ug/L			09/13/18 01:51	2000
Trichlorofluoromethane	ND		2000	1800	ug/L			09/13/18 01:51	2000
Vinyl acetate	ND		10000	1700	ug/L			09/13/18 01:51	2000
Vinyl chloride	ND		2000	1800	ug/L			09/13/18 01:51	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*09/13/18 01:51*	*2000*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*09/13/18 01:51*	*2000*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/13/18 01:51*	*2000*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/13/18 01:51*	*2000*

Client Sample ID: MW-4C
Date Collected: 09/11/18 14:25
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-12
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		400	140	ug/L			09/13/18 02:14	400

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: MW-4C
Date Collected: 09/11/18 14:25
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-12
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		400	330	ug/L			09/13/18 02:14	400
1,1,2,2-Tetrachloroethane	ND		400	84	ug/L			09/13/18 02:14	400
1,1,2-Trichloroethane	ND		400	92	ug/L			09/13/18 02:14	400
1,1-Dichloroethane	ND		400	150	ug/L			09/13/18 02:14	400
1,1-Dichloroethene	ND	F2	400	120	ug/L			09/13/18 02:14	400
1,1-Dichloropropene	ND		400	290	ug/L			09/13/18 02:14	400
1,2,3-Trichlorobenzene	ND		400	160	ug/L			09/13/18 02:14	400
1,2,3-Trichloropropane	ND		400	360	ug/L			09/13/18 02:14	400
1,2,4-Trichlorobenzene	ND		400	160	ug/L			09/13/18 02:14	400
1,2,4-Trimethylbenzene	ND		400	300	ug/L			09/13/18 02:14	400
1,2-Dibromo-3-Chloropropane	ND		400	160	ug/L			09/13/18 02:14	400
1,2-Dibromoethane	ND		400	290	ug/L			09/13/18 02:14	400
1,2-Dichlorobenzene	**850**	**F1**	400	320	ug/L			09/13/18 02:14	400
1,2-Dichloroethane	ND		400	84	ug/L			09/13/18 02:14	400
1,2-Dichloropropane	ND		400	290	ug/L			09/13/18 02:14	400
1,3,5-Trimethylbenzene	ND		400	310	ug/L			09/13/18 02:14	400
1,3-Dichlorobenzene	ND		400	310	ug/L			09/13/18 02:14	400
1,3-Dichloropropane	ND		400	300	ug/L			09/13/18 02:14	400
1,4-Dichlorobenzene	**430**	**F1**	400	340	ug/L			09/13/18 02:14	400
2,2-Dichloropropane	ND		400	160	ug/L			09/13/18 02:14	400
2-Butanone (MEK)	ND		4000	530	ug/L			09/13/18 02:14	400
2-Chloroethyl vinyl ether	ND		2000	380	ug/L			09/13/18 02:14	400
2-Hexanone	ND		2000	500	ug/L			09/13/18 02:14	400
4-Methyl-2-pentanone (MIBK)	ND		2000	840	ug/L			09/13/18 02:14	400
Acetone	ND		4000	1200	ug/L			09/13/18 02:14	400
Benzene	**4700**	**F1**	400	160	ug/L			09/13/18 02:14	400
Bromobenzene	ND		400	320	ug/L			09/13/18 02:14	400
Bromochloromethane	ND		400	350	ug/L			09/13/18 02:14	400
Bromodichloromethane	ND		400	160	ug/L			09/13/18 02:14	400
Bromoform	ND		400	100	ug/L			09/13/18 02:14	400
Bromomethane	ND		400	280	ug/L			09/13/18 02:14	400
Carbon disulfide	ND		400	76	ug/L			09/13/18 02:14	400
Carbon tetrachloride	ND		400	110	ug/L			09/13/18 02:14	400
Chlorobenzene	**4500**	**F1**	400	300	ug/L			09/13/18 02:14	400
Chlorodibromomethane	ND		400	130	ug/L			09/13/18 02:14	400
Chloroethane	ND		400	130	ug/L			09/13/18 02:14	400
Chloroform	ND		400	140	ug/L			09/13/18 02:14	400
Chloromethane	ND		400	140	ug/L			09/13/18 02:14	400
cis-1,2-Dichloroethene	**26000**	**F1**	400	320	ug/L			09/13/18 02:14	400
cis-1,3-Dichloropropene	ND		400	140	ug/L			09/13/18 02:14	400
Dichlorodifluoromethane	ND		400	270	ug/L			09/13/18 02:14	400
Ethylbenzene	ND		400	300	ug/L			09/13/18 02:14	400
Hexachlorobutadiene	ND		400	110	ug/L			09/13/18 02:14	400
Isopropylbenzene	ND		400	320	ug/L			09/13/18 02:14	400
Methyl tert-butyl ether	ND		400	64	ug/L			09/13/18 02:14	400
Methylene Chloride	ND		400	180	ug/L			09/13/18 02:14	400
m-Xylene & p-Xylene	ND		800	260	ug/L			09/13/18 02:14	400
Naphthalene	ND		400	170	ug/L			09/13/18 02:14	400
n-Butylbenzene	ND		400	260	ug/L			09/13/18 02:14	400

Client Sample ID: MW-4C — **Lab Sample ID: 480-141571-12**
Date Collected: 09/11/18 14:25 — **Matrix: Water**
Date Received: 09/11/18 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		400	280	ug/L			09/13/18 02:14	400
o-Chlorotoluene	ND		400	340	ug/L			09/13/18 02:14	400
o-Xylene	ND		400	300	ug/L			09/13/18 02:14	400
p-Chlorotoluene	ND		400	340	ug/L			09/13/18 02:14	400
p-Cymene	ND		400	120	ug/L			09/13/18 02:14	400
sec-Butylbenzene	ND		400	300	ug/L			09/13/18 02:14	400
Styrene	ND		400	290	ug/L			09/13/18 02:14	400
tert-Butylbenzene	ND		400	320	ug/L			09/13/18 02:14	400
Tetrachloroethene	ND		400	140	ug/L			09/13/18 02:14	400
Toluene	ND		400	200	ug/L			09/13/18 02:14	400
trans-1,2-Dichloroethene	**430**		400	360	ug/L			09/13/18 02:14	400
trans-1,3-Dichloropropene	ND		400	150	ug/L			09/13/18 02:14	400
Trichloroethene	ND		400	180	ug/L			09/13/18 02:14	400
Trichlorofluoromethane	ND		400	350	ug/L			09/13/18 02:14	400
Vinyl acetate	ND		2000	340	ug/L			09/13/18 02:14	400
Vinyl chloride	**2100**	**F1**	400	360	ug/L			09/13/18 02:14	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*09/13/18 02:14*	*400*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*09/13/18 02:14*	*400*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/13/18 02:14*	*400*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/13/18 02:14*	*400*

Client Sample ID: OW-29B — **Lab Sample ID: 480-141571-13**
Date Collected: 09/11/18 14:20 — **Matrix: Water**
Date Received: 09/11/18 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200	70	ug/L			09/12/18 15:06	200
1,1,1-Trichloroethane	ND		200	160	ug/L			09/12/18 15:06	200
1,1,2,2-Tetrachloroethane	**470**		200	42	ug/L			09/12/18 15:06	200
1,1,2-Trichloroethane	ND		200	46	ug/L			09/12/18 15:06	200
1,1-Dichloroethane	ND		200	76	ug/L			09/12/18 15:06	200
1,1-Dichloroethene	ND		200	58	ug/L			09/12/18 15:06	200
1,1-Dichloropropene	ND		200	140	ug/L			09/12/18 15:06	200
1,2,3-Trichlorobenzene	**120**	**J**	200	82	ug/L			09/12/18 15:06	200
1,2,3-Trichloropropane	ND		200	180	ug/L			09/12/18 15:06	200
1,2,4-Trichlorobenzene	**1200**		200	82	ug/L			09/12/18 15:06	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			09/12/18 15:06	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			09/12/18 15:06	200
1,2-Dibromoethane	ND		200	150	ug/L			09/12/18 15:06	200
1,2-Dichlorobenzene	**2900**		200	160	ug/L			09/12/18 15:06	200
1,2-Dichloroethane	ND		200	42	ug/L			09/12/18 15:06	200
1,2-Dichloropropane	ND		200	140	ug/L			09/12/18 15:06	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			09/12/18 15:06	200
1,3-Dichlorobenzene	**840**		200	160	ug/L			09/12/18 15:06	200
1,3-Dichloropropane	ND		200	150	ug/L			09/12/18 15:06	200
1,4-Dichlorobenzene	**2400**		200	170	ug/L			09/12/18 15:06	200
2,2-Dichloropropane	ND		200	80	ug/L			09/12/18 15:06	200

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: OW-29B
Date Collected: 09/11/18 14:20
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-13
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		2000	260	ug/L			09/12/18 15:06	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			09/12/18 15:06	200
2-Hexanone	ND		1000	250	ug/L			09/12/18 15:06	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			09/12/18 15:06	200
Acetone	ND		2000	600	ug/L			09/12/18 15:06	200
Benzene	**510**		200	82	ug/L			09/12/18 15:06	200
Bromobenzene	ND		200	160	ug/L			09/12/18 15:06	200
Bromochloromethane	ND		200	170	ug/L			09/12/18 15:06	200
Bromodichloromethane	ND		200	78	ug/L			09/12/18 15:06	200
Bromoform	ND		200	52	ug/L			09/12/18 15:06	200
Bromomethane	ND		200	140	ug/L			09/12/18 15:06	200
Carbon disulfide	ND		200	38	ug/L			09/12/18 15:06	200
Carbon tetrachloride	ND		200	54	ug/L			09/12/18 15:06	200
Chlorobenzene	**3300**		200	150	ug/L			09/12/18 15:06	200
Chlorodibromomethane	ND		200	64	ug/L			09/12/18 15:06	200
Chloroethane	ND		200	64	ug/L			09/12/18 15:06	200
Chloroform	ND		200	68	ug/L			09/12/18 15:06	200
Chloromethane	ND		200	70	ug/L			09/12/18 15:06	200
cis-1,2-Dichloroethene	**13000**		200	160	ug/L			09/12/18 15:06	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			09/12/18 15:06	200
Dichlorodifluoromethane	ND		200	140	ug/L			09/12/18 15:06	200
Ethylbenzene	ND		200	150	ug/L			09/12/18 15:06	200
Hexachlorobutadiene	ND		200	56	ug/L			09/12/18 15:06	200
Isopropylbenzene	ND		200	160	ug/L			09/12/18 15:06	200
Methyl tert-butyl ether	ND		200	32	ug/L			09/12/18 15:06	200
Methylene Chloride	ND		200	88	ug/L			09/12/18 15:06	200
m-Xylene & p-Xylene	ND		400	130	ug/L			09/12/18 15:06	200
Naphthalene	ND		200	86	ug/L			09/12/18 15:06	200
n-Butylbenzene	ND		200	130	ug/L			09/12/18 15:06	200
N-Propylbenzene	ND		200	140	ug/L			09/12/18 15:06	200
o-Chlorotoluene	ND		200	170	ug/L			09/12/18 15:06	200
o-Xylene	ND		200	150	ug/L			09/12/18 15:06	200
p-Chlorotoluene	ND		200	170	ug/L			09/12/18 15:06	200
p-Cymene	ND		200	62	ug/L			09/12/18 15:06	200
sec-Butylbenzene	ND		200	150	ug/L			09/12/18 15:06	200
Styrene	ND		200	150	ug/L			09/12/18 15:06	200
tert-Butylbenzene	ND		200	160	ug/L			09/12/18 15:06	200
Tetrachloroethene	**2600**		200	72	ug/L			09/12/18 15:06	200
Toluene	ND		200	100	ug/L			09/12/18 15:06	200
trans-1,2-Dichloroethene	**280**		200	180	ug/L			09/12/18 15:06	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			09/12/18 15:06	200
Trichloroethene	**3200**		200	92	ug/L			09/12/18 15:06	200
Trichlorofluoromethane	ND		200	180	ug/L			09/12/18 15:06	200
Vinyl acetate	ND		1000	170	ug/L			09/12/18 15:06	200
Vinyl chloride	**1500**		200	180	ug/L			09/12/18 15:06	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*09/12/18 15:06*	*200*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*09/12/18 15:06*	*200*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/12/18 15:06*	*200*

Client Sample ID: OW-29B
Date Collected: 09/11/18 14:20
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-13
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		09/12/18 15:06	200

Client Sample ID: MW-4B
Date Collected: 09/11/18 13:55
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-14
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	35	ug/L			09/12/18 15:29	100
1,1,1-Trichloroethane	ND		100	82	ug/L			09/12/18 15:29	100
1,1,2,2-Tetrachloroethane	**610**		100	21	ug/L			09/12/18 15:29	100
1,1,2-Trichloroethane	ND		100	23	ug/L			09/12/18 15:29	100
1,1-Dichloroethane	ND		100	38	ug/L			09/12/18 15:29	100
1,1-Dichloroethene	ND		100	29	ug/L			09/12/18 15:29	100
1,1-Dichloropropene	ND		100	72	ug/L			09/12/18 15:29	100
1,2,3-Trichlorobenzene	ND		100	41	ug/L			09/12/18 15:29	100
1,2,3-Trichloropropane	ND		100	89	ug/L			09/12/18 15:29	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			09/12/18 15:29	100
1,2,4-Trimethylbenzene	ND		100	75	ug/L			09/12/18 15:29	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			09/12/18 15:29	100
1,2-Dibromoethane	ND		100	73	ug/L			09/12/18 15:29	100
1,2-Dichlorobenzene	ND		100	79	ug/L			09/12/18 15:29	100
1,2-Dichloroethane	ND		100	21	ug/L			09/12/18 15:29	100
1,2-Dichloropropane	ND		100	72	ug/L			09/12/18 15:29	100
1,3,5-Trimethylbenzene	ND		100	77	ug/L			09/12/18 15:29	100
1,3-Dichlorobenzene	ND		100	78	ug/L			09/12/18 15:29	100
1,3-Dichloropropane	ND		100	75	ug/L			09/12/18 15:29	100
1,4-Dichlorobenzene	ND		100	84	ug/L			09/12/18 15:29	100
2,2-Dichloropropane	ND		100	40	ug/L			09/12/18 15:29	100
2-Butanone (MEK)	ND		1000	130	ug/L			09/12/18 15:29	100
2-Chloroethyl vinyl ether	ND		500	96	ug/L			09/12/18 15:29	100
2-Hexanone	ND		500	120	ug/L			09/12/18 15:29	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			09/12/18 15:29	100
Acetone	ND		1000	300	ug/L			09/12/18 15:29	100
Benzene	**45**	**J**	100	41	ug/L			09/12/18 15:29	100
Bromobenzene	ND		100	80	ug/L			09/12/18 15:29	100
Bromochloromethane	ND		100	87	ug/L			09/12/18 15:29	100
Bromodichloromethane	ND		100	39	ug/L			09/12/18 15:29	100
Bromoform	ND		100	26	ug/L			09/12/18 15:29	100
Bromomethane	ND		100	69	ug/L			09/12/18 15:29	100
Carbon disulfide	ND		100	19	ug/L			09/12/18 15:29	100
Carbon tetrachloride	ND		100	27	ug/L			09/12/18 15:29	100
Chlorobenzene	**88**	**J**	100	75	ug/L			09/12/18 15:29	100
Chlorodibromomethane	ND		100	32	ug/L			09/12/18 15:29	100
Chloroethane	ND		100	32	ug/L			09/12/18 15:29	100
Chloroform	**170**		100	34	ug/L			09/12/18 15:29	100
Chloromethane	ND		100	35	ug/L			09/12/18 15:29	100
cis-1,2-Dichloroethene	**3300**		100	81	ug/L			09/12/18 15:29	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			09/12/18 15:29	100

Client Sample ID: MW-4B
Date Collected: 09/11/18 13:55
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-14
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		100	68	ug/L			09/12/18 15:29	100
Ethylbenzene	ND		100	74	ug/L			09/12/18 15:29	100
Hexachlorobutadiene	ND		100	28	ug/L			09/12/18 15:29	100
Isopropylbenzene	ND		100	79	ug/L			09/12/18 15:29	100
Methyl tert-butyl ether	ND		100	16	ug/L			09/12/18 15:29	100
Methylene Chloride	ND		100	44	ug/L			09/12/18 15:29	100
m-Xylene & p-Xylene	ND		200	66	ug/L			09/12/18 15:29	100
Naphthalene	ND		100	43	ug/L			09/12/18 15:29	100
n-Butylbenzene	ND		100	64	ug/L			09/12/18 15:29	100
N-Propylbenzene	ND		100	69	ug/L			09/12/18 15:29	100
o-Chlorotoluene	ND		100	86	ug/L			09/12/18 15:29	100
o-Xylene	ND		100	76	ug/L			09/12/18 15:29	100
p-Chlorotoluene	ND		100	84	ug/L			09/12/18 15:29	100
p-Cymene	ND		100	31	ug/L			09/12/18 15:29	100
sec-Butylbenzene	ND		100	75	ug/L			09/12/18 15:29	100
Styrene	ND		100	73	ug/L			09/12/18 15:29	100
tert-Butylbenzene	ND		100	81	ug/L			09/12/18 15:29	100
Tetrachloroethene	**3100**		100	36	ug/L			09/12/18 15:29	100
Toluene	ND		100	51	ug/L			09/12/18 15:29	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			09/12/18 15:29	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			09/12/18 15:29	100
Trichloroethene	**8000**		100	46	ug/L			09/12/18 15:29	100
Trichlorofluoromethane	ND		100	88	ug/L			09/12/18 15:29	100
Vinyl acetate	ND		500	85	ug/L			09/12/18 15:29	100
Vinyl chloride	ND		100	90	ug/L			09/12/18 15:29	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/12/18 15:29*	*100*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*09/12/18 15:29*	*100*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/12/18 15:29*	*100*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/12/18 15:29*	*100*

Client Sample ID: OW-113B
Date Collected: 09/11/18 11:00
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-15
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		80	28	ug/L			09/12/18 15:53	80
1,1,1-Trichloroethane	ND		80	66	ug/L			09/12/18 15:53	80
1,1,2,2-Tetrachloroethane	**480**		80	17	ug/L			09/12/18 15:53	80
1,1,2-Trichloroethane	ND		80	18	ug/L			09/12/18 15:53	80
1,1-Dichloroethane	ND		80	30	ug/L			09/12/18 15:53	80
1,1-Dichloroethene	ND		80	23	ug/L			09/12/18 15:53	80
1,1-Dichloropropene	ND		80	58	ug/L			09/12/18 15:53	80
1,2,3-Trichlorobenzene	**370**		80	33	ug/L			09/12/18 15:53	80
1,2,3-Trichloropropane	ND		80	71	ug/L			09/12/18 15:53	80
1,2,4-Trichlorobenzene	**6800**		80	33	ug/L			09/12/18 15:53	80
1,2,4-Trimethylbenzene	ND		80	60	ug/L			09/12/18 15:53	80
1,2-Dibromo-3-Chloropropane	ND		80	31	ug/L			09/12/18 15:53	80

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: OW-113B
Date Collected: 09/11/18 11:00
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-15
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		80	58	ug/L			09/12/18 15:53	80
1,2-Dichlorobenzene	**6300**		80	63	ug/L			09/12/18 15:53	80
1,2-Dichloroethane	ND		80	17	ug/L			09/12/18 15:53	80
1,2-Dichloropropane	ND		80	58	ug/L			09/12/18 15:53	80
1,3,5-Trimethylbenzene	ND		80	62	ug/L			09/12/18 15:53	80
1,3-Dichlorobenzene	**1400**		80	62	ug/L			09/12/18 15:53	80
1,3-Dichloropropane	ND		80	60	ug/L			09/12/18 15:53	80
1,4-Dichlorobenzene	**4500**		80	67	ug/L			09/12/18 15:53	80
2,2-Dichloropropane	ND		80	32	ug/L			09/12/18 15:53	80
2-Butanone (MEK)	ND		800	110	ug/L			09/12/18 15:53	80
2-Chloroethyl vinyl ether	ND		400	77	ug/L			09/12/18 15:53	80
2-Hexanone	ND		400	99	ug/L			09/12/18 15:53	80
4-Methyl-2-pentanone (MIBK)	ND		400	170	ug/L			09/12/18 15:53	80
Acetone	ND		800	240	ug/L			09/12/18 15:53	80
Benzene	**940**		80	33	ug/L			09/12/18 15:53	80
Bromobenzene	ND		80	64	ug/L			09/12/18 15:53	80
Bromochloromethane	ND		80	70	ug/L			09/12/18 15:53	80
Bromodichloromethane	ND		80	31	ug/L			09/12/18 15:53	80
Bromoform	ND		80	21	ug/L			09/12/18 15:53	80
Bromomethane	ND		80	55	ug/L			09/12/18 15:53	80
Carbon disulfide	ND		80	15	ug/L			09/12/18 15:53	80
Carbon tetrachloride	ND		80	22	ug/L			09/12/18 15:53	80
Chlorobenzene	**5900**		80	60	ug/L			09/12/18 15:53	80
Chlorodibromomethane	ND		80	26	ug/L			09/12/18 15:53	80
Chloroethane	ND		80	26	ug/L			09/12/18 15:53	80
Chloroform	ND		80	27	ug/L			09/12/18 15:53	80
Chloromethane	ND		80	28	ug/L			09/12/18 15:53	80
cis-1,2-Dichloroethene	**12000**	**E**	80	65	ug/L			09/12/18 15:53	80
cis-1,3-Dichloropropene	ND		80	29	ug/L			09/12/18 15:53	80
Dichlorodifluoromethane	ND		80	54	ug/L			09/12/18 15:53	80
Ethylbenzene	ND		80	59	ug/L			09/12/18 15:53	80
Hexachlorobutadiene	ND		80	22	ug/L			09/12/18 15:53	80
Isopropylbenzene	ND		80	63	ug/L			09/12/18 15:53	80
Methyl tert-butyl ether	ND		80	13	ug/L			09/12/18 15:53	80
Methylene Chloride	ND		80	35	ug/L			09/12/18 15:53	80
m-Xylene & p-Xylene	ND		160	53	ug/L			09/12/18 15:53	80
Naphthalene	ND		80	34	ug/L			09/12/18 15:53	80
n-Butylbenzene	ND		80	51	ug/L			09/12/18 15:53	80
N-Propylbenzene	ND		80	55	ug/L			09/12/18 15:53	80
o-Chlorotoluene	ND		80	69	ug/L			09/12/18 15:53	80
o-Xylene	ND		80	61	ug/L			09/12/18 15:53	80
p-Chlorotoluene	ND		80	67	ug/L			09/12/18 15:53	80
p-Cymene	ND		80	25	ug/L			09/12/18 15:53	80
sec-Butylbenzene	ND		80	60	ug/L			09/12/18 15:53	80
Styrene	ND		80	58	ug/L			09/12/18 15:53	80
tert-Butylbenzene	ND		80	65	ug/L			09/12/18 15:53	80
Tetrachloroethene	**1400**		80	29	ug/L			09/12/18 15:53	80
Toluene	ND		80	41	ug/L			09/12/18 15:53	80
trans-1,2-Dichloroethene	**240**		80	72	ug/L			09/12/18 15:53	80

Client Sample ID: OW-113B
Date Collected: 09/11/18 11:00
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-15
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		80	30	ug/L			09/12/18 15:53	80
Trichloroethene	**3400**		80	37	ug/L			09/12/18 15:53	80
Trichlorofluoromethane	ND		80	70	ug/L			09/12/18 15:53	80
Vinyl acetate	ND		400	68	ug/L			09/12/18 15:53	80
Vinyl chloride	**1400**		80	72	ug/L			09/12/18 15:53	80

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*09/12/18 15:53*	*80*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*09/12/18 15:53*	*80*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/12/18 15:53*	*80*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/12/18 15:53*	*80*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		400	140	ug/L			09/13/18 02:38	400
1,1,1-Trichloroethane	ND		400	330	ug/L			09/13/18 02:38	400
1,1,2,2-Tetrachloroethane	**520**		400	84	ug/L			09/13/18 02:38	400
1,1,2-Trichloroethane	ND		400	92	ug/L			09/13/18 02:38	400
1,1-Dichloroethane	ND		400	150	ug/L			09/13/18 02:38	400
1,1-Dichloroethene	ND		400	120	ug/L			09/13/18 02:38	400
1,1-Dichloropropene	ND		400	290	ug/L			09/13/18 02:38	400
1,2,3-Trichlorobenzene	**360**	**J**	400	160	ug/L			09/13/18 02:38	400
1,2,3-Trichloropropane	ND		400	360	ug/L			09/13/18 02:38	400
1,2,4-Trichlorobenzene	**6600**		400	160	ug/L			09/13/18 02:38	400
1,2,4-Trimethylbenzene	ND		400	300	ug/L			09/13/18 02:38	400
1,2-Dibromo-3-Chloropropane	ND		400	160	ug/L			09/13/18 02:38	400
1,2-Dibromoethane	ND		400	290	ug/L			09/13/18 02:38	400
1,2-Dichlorobenzene	**6000**		400	320	ug/L			09/13/18 02:38	400
1,2-Dichloroethane	ND		400	84	ug/L			09/13/18 02:38	400
1,2-Dichloropropane	ND		400	290	ug/L			09/13/18 02:38	400
1,3,5-Trimethylbenzene	ND		400	310	ug/L			09/13/18 02:38	400
1,3-Dichlorobenzene	**1300**		400	310	ug/L			09/13/18 02:38	400
1,3-Dichloropropane	ND		400	300	ug/L			09/13/18 02:38	400
1,4-Dichlorobenzene	**4400**		400	340	ug/L			09/13/18 02:38	400
2,2-Dichloropropane	ND		400	160	ug/L			09/13/18 02:38	400
2-Butanone (MEK)	ND		4000	530	ug/L			09/13/18 02:38	400
2-Chloroethyl vinyl ether	ND		2000	380	ug/L			09/13/18 02:38	400
2-Hexanone	ND		2000	500	ug/L			09/13/18 02:38	400
4-Methyl-2-pentanone (MIBK)	ND		2000	840	ug/L			09/13/18 02:38	400
Acetone	ND		4000	1200	ug/L			09/13/18 02:38	400
Benzene	**850**		400	160	ug/L			09/13/18 02:38	400
Bromobenzene	ND		400	320	ug/L			09/13/18 02:38	400
Bromochloromethane	ND		400	350	ug/L			09/13/18 02:38	400
Bromodichloromethane	ND		400	160	ug/L			09/13/18 02:38	400
Bromoform	ND		400	100	ug/L			09/13/18 02:38	400
Bromomethane	ND		400	280	ug/L			09/13/18 02:38	400
Carbon disulfide	ND		400	76	ug/L			09/13/18 02:38	400
Carbon tetrachloride	ND		400	110	ug/L			09/13/18 02:38	400
Chlorobenzene	**5600**		400	300	ug/L			09/13/18 02:38	400
Chlorodibromomethane	ND		400	130	ug/L			09/13/18 02:38	400

Client Sample ID: OW-113B
Date Collected: 09/11/18 11:00
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-15
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		400	130	ug/L			09/13/18 02:38	400
Chloroform	ND		400	140	ug/L			09/13/18 02:38	400
Chloromethane	ND		400	140	ug/L			09/13/18 02:38	400
cis-1,2-Dichloroethene	**11000**		400	320	ug/L			09/13/18 02:38	400
cis-1,3-Dichloropropene	ND		400	140	ug/L			09/13/18 02:38	400
Dichlorodifluoromethane	ND		400	270	ug/L			09/13/18 02:38	400
Ethylbenzene	ND		400	300	ug/L			09/13/18 02:38	400
Hexachlorobutadiene	ND		400	110	ug/L			09/13/18 02:38	400
Isopropylbenzene	ND		400	320	ug/L			09/13/18 02:38	400
Methyl tert-butyl ether	ND		400	64	ug/L			09/13/18 02:38	400
Methylene Chloride	ND		400	180	ug/L			09/13/18 02:38	400
m-Xylene & p-Xylene	ND		800	260	ug/L			09/13/18 02:38	400
Naphthalene	ND		400	170	ug/L			09/13/18 02:38	400
n-Butylbenzene	ND		400	260	ug/L			09/13/18 02:38	400
N-Propylbenzene	ND		400	280	ug/L			09/13/18 02:38	400
o-Chlorotoluene	ND		400	340	ug/L			09/13/18 02:38	400
o-Xylene	ND		400	300	ug/L			09/13/18 02:38	400
p-Chlorotoluene	ND		400	340	ug/L			09/13/18 02:38	400
p-Cymene	ND		400	120	ug/L			09/13/18 02:38	400
sec-Butylbenzene	ND		400	300	ug/L			09/13/18 02:38	400
Styrene	ND		400	290	ug/L			09/13/18 02:38	400
tert-Butylbenzene	ND		400	320	ug/L			09/13/18 02:38	400
Tetrachloroethene	**1100**		400	140	ug/L			09/13/18 02:38	400
Toluene	ND		400	200	ug/L			09/13/18 02:38	400
trans-1,2-Dichloroethene	ND		400	360	ug/L			09/13/18 02:38	400
trans-1,3-Dichloropropene	ND		400	150	ug/L			09/13/18 02:38	400
Trichloroethene	**3200**		400	180	ug/L			09/13/18 02:38	400
Trichlorofluoromethane	ND		400	350	ug/L			09/13/18 02:38	400
Vinyl acetate	ND		2000	340	ug/L			09/13/18 02:38	400
Vinyl chloride	**1200**		400	360	ug/L			09/13/18 02:38	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/13/18 02:38*	*400*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*09/13/18 02:38*	*400*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/13/18 02:38*	*400*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/13/18 02:38*	*400*

Client Sample ID: OW-13B
Date Collected: 09/11/18 12:00
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-16
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		80	28	ug/L			09/12/18 16:16	80
1,1,1-Trichloroethane	ND		80	66	ug/L			09/12/18 16:16	80
1,1,2,2-Tetrachloroethane	**470**		80	17	ug/L			09/12/18 16:16	80
1,1,2-Trichloroethane	ND		80	18	ug/L			09/12/18 16:16	80
1,1-Dichloroethane	ND		80	30	ug/L			09/12/18 16:16	80
1,1-Dichloroethene	ND		80	23	ug/L			09/12/18 16:16	80
1,1-Dichloropropene	ND		80	58	ug/L			09/12/18 16:16	80

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: OW-13B
Date Collected: 09/11/18 12:00
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-16
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	**400**		80	33	ug/L			09/12/18 16:16	80
1,2,3-Trichloropropane	ND		80	71	ug/L			09/12/18 16:16	80
1,2,4-Trichlorobenzene	**6800**		80	33	ug/L			09/12/18 16:16	80
1,2,4-Trimethylbenzene	ND		80	60	ug/L			09/12/18 16:16	80
1,2-Dibromo-3-Chloropropane	ND		80	31	ug/L			09/12/18 16:16	80
1,2-Dibromoethane	ND		80	58	ug/L			09/12/18 16:16	80
1,2-Dichlorobenzene	**6200**		80	63	ug/L			09/12/18 16:16	80
1,2-Dichloroethane	ND		80	17	ug/L			09/12/18 16:16	80
1,2-Dichloropropane	ND		80	58	ug/L			09/12/18 16:16	80
1,3,5-Trimethylbenzene	ND		80	62	ug/L			09/12/18 16:16	80
1,3-Dichlorobenzene	**1400**		80	62	ug/L			09/12/18 16:16	80
1,3-Dichloropropane	ND		80	60	ug/L			09/12/18 16:16	80
1,4-Dichlorobenzene	**4500**		80	67	ug/L			09/12/18 16:16	80
2,2-Dichloropropane	ND		80	32	ug/L			09/12/18 16:16	80
2-Butanone (MEK)	ND		800	110	ug/L			09/12/18 16:16	80
2-Chloroethyl vinyl ether	ND		400	77	ug/L			09/12/18 16:16	80
2-Hexanone	ND		400	99	ug/L			09/12/18 16:16	80
4-Methyl-2-pentanone (MIBK)	ND		400	170	ug/L			09/12/18 16:16	80
Acetone	ND		800	240	ug/L			09/12/18 16:16	80
Benzene	**870**		80	33	ug/L			09/12/18 16:16	80
Bromobenzene	ND		80	64	ug/L			09/12/18 16:16	80
Bromochloromethane	ND		80	70	ug/L			09/12/18 16:16	80
Bromodichloromethane	ND		80	31	ug/L			09/12/18 16:16	80
Bromoform	ND		80	21	ug/L			09/12/18 16:16	80
Bromomethane	ND		80	55	ug/L			09/12/18 16:16	80
Carbon disulfide	ND		80	15	ug/L			09/12/18 16:16	80
Carbon tetrachloride	ND		80	22	ug/L			09/12/18 16:16	80
Chlorobenzene	**5800**		80	60	ug/L			09/12/18 16:16	80
Chlorodibromomethane	ND		80	26	ug/L			09/12/18 16:16	80
Chloroethane	ND		80	26	ug/L			09/12/18 16:16	80
Chloroform	ND		80	27	ug/L			09/12/18 16:16	80
Chloromethane	ND		80	28	ug/L			09/12/18 16:16	80
cis-1,2-Dichloroethene	**11000**	**E**	80	65	ug/L			09/12/18 16:16	80
cis-1,3-Dichloropropene	ND		80	29	ug/L			09/12/18 16:16	80
Dichlorodifluoromethane	ND		80	54	ug/L			09/12/18 16:16	80
Ethylbenzene	ND		80	59	ug/L			09/12/18 16:16	80
Hexachlorobutadiene	ND		80	22	ug/L			09/12/18 16:16	80
Isopropylbenzene	ND		80	63	ug/L			09/12/18 16:16	80
Methyl tert-butyl ether	ND		80	13	ug/L			09/12/18 16:16	80
Methylene Chloride	ND		80	35	ug/L			09/12/18 16:16	80
m-Xylene & p-Xylene	ND		160	53	ug/L			09/12/18 16:16	80
Naphthalene	ND		80	34	ug/L			09/12/18 16:16	80
n-Butylbenzene	ND		80	51	ug/L			09/12/18 16:16	80
N-Propylbenzene	ND		80	55	ug/L			09/12/18 16:16	80
o-Chlorotoluene	ND		80	69	ug/L			09/12/18 16:16	80
o-Xylene	ND		80	61	ug/L			09/12/18 16:16	80
p-Chlorotoluene	ND		80	67	ug/L			09/12/18 16:16	80
p-Cymene	ND		80	25	ug/L			09/12/18 16:16	80
sec-Butylbenzene	ND		80	60	ug/L			09/12/18 16:16	80

Client Sample ID: OW-13B
Date Collected: 09/11/18 12:00
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-16
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		80	58	ug/L			09/12/18 16:16	80
tert-Butylbenzene	ND		80	65	ug/L			09/12/18 16:16	80
Tetrachloroethene	**1400**		80	29	ug/L			09/12/18 16:16	80
Toluene	ND		80	41	ug/L			09/12/18 16:16	80
trans-1,2-Dichloroethene	**220**		80	72	ug/L			09/12/18 16:16	80
trans-1,3-Dichloropropene	ND		80	30	ug/L			09/12/18 16:16	80
Trichloroethene	**3100**		80	37	ug/L			09/12/18 16:16	80
Trichlorofluoromethane	ND		80	70	ug/L			09/12/18 16:16	80
Vinyl acetate	ND		400	68	ug/L			09/12/18 16:16	80
Vinyl chloride	**1300**		80	72	ug/L			09/12/18 16:16	80

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*09/12/18 16:16*	*80*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*09/12/18 16:16*	*80*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/12/18 16:16*	*80*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/12/18 16:16*	*80*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200	70	ug/L			09/13/18 03:01	200
1,1,1-Trichloroethane	ND		200	160	ug/L			09/13/18 03:01	200
1,1,2,2-Tetrachloroethane	**450**		200	42	ug/L			09/13/18 03:01	200
1,1,2-Trichloroethane	ND		200	46	ug/L			09/13/18 03:01	200
1,1-Dichloroethane	ND		200	76	ug/L			09/13/18 03:01	200
1,1-Dichloroethene	ND		200	58	ug/L			09/13/18 03:01	200
1,1-Dichloropropene	ND		200	140	ug/L			09/13/18 03:01	200
1,2,3-Trichlorobenzene	**380**		200	82	ug/L			09/13/18 03:01	200
1,2,3-Trichloropropane	ND		200	180	ug/L			09/13/18 03:01	200
1,2,4-Trichlorobenzene	**6700**		200	82	ug/L			09/13/18 03:01	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			09/13/18 03:01	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			09/13/18 03:01	200
1,2-Dibromoethane	ND		200	150	ug/L			09/13/18 03:01	200
1,2-Dichlorobenzene	**6200**		200	160	ug/L			09/13/18 03:01	200
1,2-Dichloroethane	ND		200	42	ug/L			09/13/18 03:01	200
1,2-Dichloropropane	ND		200	140	ug/L			09/13/18 03:01	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			09/13/18 03:01	200
1,3-Dichlorobenzene	**1300**		200	160	ug/L			09/13/18 03:01	200
1,3-Dichloropropane	ND		200	150	ug/L			09/13/18 03:01	200
1,4-Dichlorobenzene	**4300**		200	170	ug/L			09/13/18 03:01	200
2,2-Dichloropropane	ND		200	80	ug/L			09/13/18 03:01	200
2-Butanone (MEK)	ND		2000	260	ug/L			09/13/18 03:01	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			09/13/18 03:01	200
2-Hexanone	ND		1000	250	ug/L			09/13/18 03:01	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			09/13/18 03:01	200
Acetone	ND		2000	600	ug/L			09/13/18 03:01	200
Benzene	**870**		200	82	ug/L			09/13/18 03:01	200
Bromobenzene	ND		200	160	ug/L			09/13/18 03:01	200
Bromochloromethane	ND		200	170	ug/L			09/13/18 03:01	200
Bromodichloromethane	ND		200	78	ug/L			09/13/18 03:01	200
Bromoform	ND		200	52	ug/L			09/13/18 03:01	200

Client Sample ID: OW-13B

Lab Sample ID: 480-141571-16

Date Collected: 09/11/18 12:00

Matrix: Water

Date Received: 09/11/18 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		200	140	ug/L			09/13/18 03:01	200
Carbon disulfide	ND		200	38	ug/L			09/13/18 03:01	200
Carbon tetrachloride	ND		200	54	ug/L			09/13/18 03:01	200
Chlorobenzene	**5600**		200	150	ug/L			09/13/18 03:01	200
Chlorodibromomethane	ND		200	64	ug/L			09/13/18 03:01	200
Chloroethane	ND		200	64	ug/L			09/13/18 03:01	200
Chloroform	ND		200	68	ug/L			09/13/18 03:01	200
Chloromethane	ND		200	70	ug/L			09/13/18 03:01	200
cis-1,2-Dichloroethene	**11000**		200	160	ug/L			09/13/18 03:01	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			09/13/18 03:01	200
Dichlorodifluoromethane	ND		200	140	ug/L			09/13/18 03:01	200
Ethylbenzene	ND		200	150	ug/L			09/13/18 03:01	200
Hexachlorobutadiene	ND		200	56	ug/L			09/13/18 03:01	200
Isopropylbenzene	ND		200	160	ug/L			09/13/18 03:01	200
Methyl tert-butyl ether	ND		200	32	ug/L			09/13/18 03:01	200
Methylene Chloride	ND		200	88	ug/L			09/13/18 03:01	200
m-Xylene & p-Xylene	ND		400	130	ug/L			09/13/18 03:01	200
Naphthalene	ND		200	86	ug/L			09/13/18 03:01	200
n-Butylbenzene	ND		200	130	ug/L			09/13/18 03:01	200
N-Propylbenzene	ND		200	140	ug/L			09/13/18 03:01	200
o-Chlorotoluene	ND		200	170	ug/L			09/13/18 03:01	200
o-Xylene	ND		200	150	ug/L			09/13/18 03:01	200
p-Chlorotoluene	ND		200	170	ug/L			09/13/18 03:01	200
p-Cymene	ND		200	62	ug/L			09/13/18 03:01	200
sec-Butylbenzene	ND		200	150	ug/L			09/13/18 03:01	200
Styrene	ND		200	150	ug/L			09/13/18 03:01	200
tert-Butylbenzene	ND		200	160	ug/L			09/13/18 03:01	200
Tetrachloroethene	**1200**		200	72	ug/L			09/13/18 03:01	200
Toluene	ND		200	100	ug/L			09/13/18 03:01	200
trans-1,2-Dichloroethene	**240**		200	180	ug/L			09/13/18 03:01	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			09/13/18 03:01	200
Trichloroethene	**3100**		200	92	ug/L			09/13/18 03:01	200
Trichlorofluoromethane	ND		200	180	ug/L			09/13/18 03:01	200
Vinyl acetate	ND		1000	170	ug/L			09/13/18 03:01	200
Vinyl chloride	**1200**		200	180	ug/L			09/13/18 03:01	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*09/13/18 03:01*	*200*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*09/13/18 03:01*	*200*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/13/18 03:01*	*200*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/13/18 03:01*	*200*

Client Sample ID: OW-16A

Lab Sample ID: 480-141571-17

Date Collected: 09/11/18 11:52

Matrix: Water

Date Received: 09/11/18 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/12/18 16:39	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/12/18 16:39	1

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: OW-16A
Date Collected: 09/11/18 11:52
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-17
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/12/18 16:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/12/18 16:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/12/18 16:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/12/18 16:39	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/12/18 16:39	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/12/18 16:39	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/12/18 16:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/12/18 16:39	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/12/18 16:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/12/18 16:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/12/18 16:39	1
1,2-Dichlorobenzene	**31**		1.0	0.79	ug/L			09/12/18 16:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/12/18 16:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/12/18 16:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/12/18 16:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/12/18 16:39	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/12/18 16:39	1
1,4-Dichlorobenzene	**5.0**		1.0	0.84	ug/L			09/12/18 16:39	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/12/18 16:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/12/18 16:39	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/12/18 16:39	1
2-Hexanone	ND		5.0	1.2	ug/L			09/12/18 16:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/12/18 16:39	1
Acetone	ND		10	3.0	ug/L			09/12/18 16:39	1
Benzene	ND		1.0	0.41	ug/L			09/12/18 16:39	1
Bromobenzene	ND		1.0	0.80	ug/L			09/12/18 16:39	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/12/18 16:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/12/18 16:39	1
Bromoform	ND		1.0	0.26	ug/L			09/12/18 16:39	1
Bromomethane	ND		1.0	0.69	ug/L			09/12/18 16:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/12/18 16:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/12/18 16:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/12/18 16:39	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/12/18 16:39	1
Chloroethane	ND		1.0	0.32	ug/L			09/12/18 16:39	1
Chloroform	ND		1.0	0.34	ug/L			09/12/18 16:39	1
Chloromethane	ND		1.0	0.35	ug/L			09/12/18 16:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/12/18 16:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/12/18 16:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/12/18 16:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/12/18 16:39	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			09/12/18 16:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/12/18 16:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/12/18 16:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/12/18 16:39	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/12/18 16:39	1
Naphthalene	ND		1.0	0.43	ug/L			09/12/18 16:39	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/12/18 16:39	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/12/18 16:39	1

Client Sample ID: OW-16A

Lab Sample ID: 480-141571-17

Date Collected: 09/11/18 11:52

Matrix: Water

Date Received: 09/11/18 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/12/18 16:39	1
o-Xylene	ND		1.0	0.76	ug/L			09/12/18 16:39	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/12/18 16:39	1
p-Cymene	ND		1.0	0.31	ug/L			09/12/18 16:39	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/12/18 16:39	1
Styrene	ND		1.0	0.73	ug/L			09/12/18 16:39	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/12/18 16:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/12/18 16:39	1
Toluene	ND		1.0	0.51	ug/L			09/12/18 16:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/12/18 16:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/12/18 16:39	1
Trichloroethene	ND		1.0	0.46	ug/L			09/12/18 16:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/12/18 16:39	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/12/18 16:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/12/18 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/12/18 16:39*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*09/12/18 16:39*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/12/18 16:39*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/12/18 16:39*	*1*

Client Sample ID: OW-26B

Lab Sample ID: 480-141571-18

Date Collected: 09/11/18 10:45

Matrix: Water

Date Received: 09/11/18 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10	3.5	ug/L			09/12/18 17:02	10
1,1,1-Trichloroethane	ND		10	8.2	ug/L			09/12/18 17:02	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			09/12/18 17:02	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			09/12/18 17:02	10
1,1-Dichloroethane	ND		10	3.8	ug/L			09/12/18 17:02	10
1,1-Dichloroethene	ND		10	2.9	ug/L			09/12/18 17:02	10
1,1-Dichloropropene	ND		10	7.2	ug/L			09/12/18 17:02	10
1,2,3-Trichlorobenzene	ND		10	4.1	ug/L			09/12/18 17:02	10
1,2,3-Trichloropropane	ND		10	8.9	ug/L			09/12/18 17:02	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			09/12/18 17:02	10
1,2,4-Trimethylbenzene	ND		10	7.5	ug/L			09/12/18 17:02	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			09/12/18 17:02	10
1,2-Dibromoethane	ND		10	7.3	ug/L			09/12/18 17:02	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			09/12/18 17:02	10
1,2-Dichloroethane	ND		10	2.1	ug/L			09/12/18 17:02	10
1,2-Dichloropropane	ND		10	7.2	ug/L			09/12/18 17:02	10
1,3,5-Trimethylbenzene	ND		10	7.7	ug/L			09/12/18 17:02	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			09/12/18 17:02	10
1,3-Dichloropropane	ND		10	7.5	ug/L			09/12/18 17:02	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			09/12/18 17:02	10
2,2-Dichloropropane	ND		10	4.0	ug/L			09/12/18 17:02	10
2-Butanone (MEK)	ND		100	13	ug/L			09/12/18 17:02	10

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: OW-26B
Date Collected: 09/11/18 10:45
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-18
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloroethyl vinyl ether	ND		50	9.6	ug/L			09/12/18 17:02	10
2-Hexanone	ND		50	12	ug/L			09/12/18 17:02	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			09/12/18 17:02	10
Acetone	ND		100	30	ug/L			09/12/18 17:02	10
Benzene	ND		10	4.1	ug/L			09/12/18 17:02	10
Bromobenzene	ND		10	8.0	ug/L			09/12/18 17:02	10
Bromochloromethane	ND		10	8.7	ug/L			09/12/18 17:02	10
Bromodichloromethane	ND		10	3.9	ug/L			09/12/18 17:02	10
Bromoform	ND		10	2.6	ug/L			09/12/18 17:02	10
Bromomethane	ND		10	6.9	ug/L			09/12/18 17:02	10
Carbon disulfide	ND		10	1.9	ug/L			09/12/18 17:02	10
Carbon tetrachloride	ND		10	2.7	ug/L			09/12/18 17:02	10
Chlorobenzene	ND		10	7.5	ug/L			09/12/18 17:02	10
Chlorodibromomethane	ND		10	3.2	ug/L			09/12/18 17:02	10
Chloroethane	ND		10	3.2	ug/L			09/12/18 17:02	10
Chloroform	ND		10	3.4	ug/L			09/12/18 17:02	10
Chloromethane	ND		10	3.5	ug/L			09/12/18 17:02	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			09/12/18 17:02	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			09/12/18 17:02	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			09/12/18 17:02	10
Ethylbenzene	ND		10	7.4	ug/L			09/12/18 17:02	10
Hexachlorobutadiene	ND		10	2.8	ug/L			09/12/18 17:02	10
Isopropylbenzene	ND		10	7.9	ug/L			09/12/18 17:02	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			09/12/18 17:02	10
Methylene Chloride	ND		10	4.4	ug/L			09/12/18 17:02	10
m-Xylene & p-Xylene	ND		20	6.6	ug/L			09/12/18 17:02	10
Naphthalene	ND		10	4.3	ug/L			09/12/18 17:02	10
n-Butylbenzene	ND		10	6.4	ug/L			09/12/18 17:02	10
N-Propylbenzene	ND		10	6.9	ug/L			09/12/18 17:02	10
o-Chlorotoluene	ND		10	8.6	ug/L			09/12/18 17:02	10
o-Xylene	ND		10	7.6	ug/L			09/12/18 17:02	10
p-Chlorotoluene	ND		10	8.4	ug/L			09/12/18 17:02	10
p-Cymene	ND		10	3.1	ug/L			09/12/18 17:02	10
sec-Butylbenzene	ND		10	7.5	ug/L			09/12/18 17:02	10
Styrene	ND		10	7.3	ug/L			09/12/18 17:02	10
tert-Butylbenzene	ND		10	8.1	ug/L			09/12/18 17:02	10
Tetrachloroethene	**300**		10	3.6	ug/L			09/12/18 17:02	10
Toluene	ND		10	5.1	ug/L			09/12/18 17:02	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			09/12/18 17:02	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			09/12/18 17:02	10
Trichloroethene	**15**		10	4.6	ug/L			09/12/18 17:02	10
Trichlorofluoromethane	ND		10	8.8	ug/L			09/12/18 17:02	10
Vinyl acetate	ND		50	8.5	ug/L			09/12/18 17:02	10
Vinyl chloride	ND		10	9.0	ug/L			09/12/18 17:02	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/12/18 17:02*	*10*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*09/12/18 17:02*	*10*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/12/18 17:02*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/12/18 17:02*	*10*

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: OW-30B
Date Collected: 09/11/18 10:57
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-19
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		4.0	1.4	ug/L			09/15/18 00:06	4
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			09/15/18 00:06	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			09/15/18 00:06	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			09/15/18 00:06	4
1,1-Dichloroethane	**4.0**		4.0	1.5	ug/L			09/15/18 00:06	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			09/15/18 00:06	4
1,1-Dichloropropene	ND		4.0	2.9	ug/L			09/15/18 00:06	4
1,2,3-Trichlorobenzene	ND		4.0	1.6	ug/L			09/15/18 00:06	4
1,2,3-Trichloropropane	ND		4.0	3.6	ug/L			09/15/18 00:06	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			09/15/18 00:06	4
1,2,4-Trimethylbenzene	ND		4.0	3.0	ug/L			09/15/18 00:06	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			09/15/18 00:06	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			09/15/18 00:06	4
1,2-Dichlorobenzene	**24**		4.0	3.2	ug/L			09/15/18 00:06	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			09/15/18 00:06	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			09/15/18 00:06	4
1,3,5-Trimethylbenzene	ND		4.0	3.1	ug/L			09/15/18 00:06	4
1,3-Dichlorobenzene	**65**		4.0	3.1	ug/L			09/15/18 00:06	4
1,3-Dichloropropane	ND		4.0	3.0	ug/L			09/15/18 00:06	4
1,4-Dichlorobenzene	**41**		4.0	3.4	ug/L			09/15/18 00:06	4
2,2-Dichloropropane	ND		4.0	1.6	ug/L			09/15/18 00:06	4
2-Butanone (MEK)	ND		40	5.3	ug/L			09/15/18 00:06	4
2-Chloroethyl vinyl ether	ND		20	3.8	ug/L			09/15/18 00:06	4
2-Hexanone	ND		20	5.0	ug/L			09/15/18 00:06	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			09/15/18 00:06	4
Acetone	ND		40	12	ug/L			09/15/18 00:06	4
Benzene	**4.6**		4.0	1.6	ug/L			09/15/18 00:06	4
Bromobenzene	ND		4.0	3.2	ug/L			09/15/18 00:06	4
Bromochloromethane	ND		4.0	3.5	ug/L			09/15/18 00:06	4
Bromodichloromethane	ND		4.0	1.6	ug/L			09/15/18 00:06	4
Bromoform	ND		4.0	1.0	ug/L			09/15/18 00:06	4
Bromomethane	ND		4.0	2.8	ug/L			09/15/18 00:06	4
Carbon disulfide	ND		4.0	0.76	ug/L			09/15/18 00:06	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			09/15/18 00:06	4
Chlorobenzene	**100**		4.0	3.0	ug/L			09/15/18 00:06	4
Chlorodibromomethane	ND		4.0	1.3	ug/L			09/15/18 00:06	4
Chloroethane	ND		4.0	1.3	ug/L			09/15/18 00:06	4
Chloroform	ND		4.0	1.4	ug/L			09/15/18 00:06	4
Chloromethane	ND		4.0	1.4	ug/L			09/15/18 00:06	4
cis-1,2-Dichloroethene	**7.3**		4.0	3.2	ug/L			09/15/18 00:06	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			09/15/18 00:06	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			09/15/18 00:06	4
Ethylbenzene	ND		4.0	3.0	ug/L			09/15/18 00:06	4
Hexachlorobutadiene	ND		4.0	1.1	ug/L			09/15/18 00:06	4
Isopropylbenzene	ND		4.0	3.2	ug/L			09/15/18 00:06	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			09/15/18 00:06	4
Methylene Chloride	ND		4.0	1.8	ug/L			09/15/18 00:06	4
m-Xylene & p-Xylene	ND		8.0	2.6	ug/L			09/15/18 00:06	4
Naphthalene	ND		4.0	1.7	ug/L			09/15/18 00:06	4

Client Sample ID: OW-30B
Date Collected: 09/11/18 10:57
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-19
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		4.0	2.6	ug/L			09/15/18 00:06	4
N-Propylbenzene	ND		4.0	2.8	ug/L			09/15/18 00:06	4
o-Chlorotoluene	ND		4.0	3.4	ug/L			09/15/18 00:06	4
o-Xylene	ND		4.0	3.0	ug/L			09/15/18 00:06	4
p-Chlorotoluene	ND		4.0	3.4	ug/L			09/15/18 00:06	4
p-Cymene	ND		4.0	1.2	ug/L			09/15/18 00:06	4
sec-Butylbenzene	ND		4.0	3.0	ug/L			09/15/18 00:06	4
Styrene	ND		4.0	2.9	ug/L			09/15/18 00:06	4
tert-Butylbenzene	ND		4.0	3.2	ug/L			09/15/18 00:06	4
Tetrachloroethene	**15**		4.0	1.4	ug/L			09/15/18 00:06	4
Toluene	ND		4.0	2.0	ug/L			09/15/18 00:06	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			09/15/18 00:06	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			09/15/18 00:06	4
Trichloroethene	**16**		4.0	1.8	ug/L			09/15/18 00:06	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			09/15/18 00:06	4
Vinyl acetate	ND		20	3.4	ug/L			09/15/18 00:06	4
Vinyl chloride	**7.4**		4.0	3.6	ug/L			09/15/18 00:06	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/15/18 00:06*	*4*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/15/18 00:06*	*4*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*09/15/18 00:06*	*4*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/15/18 00:06*	*4*

Client Sample ID: MW-5C
Date Collected: 09/11/18 11:05
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-20
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		20	7.0	ug/L			09/13/18 03:47	20
1,1,1-Trichloroethane	ND		20	16	ug/L			09/13/18 03:47	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			09/13/18 03:47	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			09/13/18 03:47	20
1,1-Dichloroethane	ND		20	7.6	ug/L			09/13/18 03:47	20
1,1-Dichloroethene	ND		20	5.8	ug/L			09/13/18 03:47	20
1,1-Dichloropropene	ND		20	14	ug/L			09/13/18 03:47	20
1,2,3-Trichlorobenzene	ND		20	8.2	ug/L			09/13/18 03:47	20
1,2,3-Trichloropropane	ND		20	18	ug/L			09/13/18 03:47	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			09/13/18 03:47	20
1,2,4-Trimethylbenzene	ND		20	15	ug/L			09/13/18 03:47	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			09/13/18 03:47	20
1,2-Dibromoethane	ND		20	15	ug/L			09/13/18 03:47	20
1,2-Dichlorobenzene	**130**		20	16	ug/L			09/13/18 03:47	20
1,2-Dichloroethane	ND		20	4.2	ug/L			09/13/18 03:47	20
1,2-Dichloropropane	ND		20	14	ug/L			09/13/18 03:47	20
1,3,5-Trimethylbenzene	ND		20	15	ug/L			09/13/18 03:47	20
1,3-Dichlorobenzene	**240**		20	16	ug/L			09/13/18 03:47	20
1,3-Dichloropropane	ND		20	15	ug/L			09/13/18 03:47	20
1,4-Dichlorobenzene	**480**		20	17	ug/L			09/13/18 03:47	20

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: MW-5C
Date Collected: 09/11/18 11:05
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-20
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		20	8.0	ug/L			09/13/18 03:47	20
2-Butanone (MEK)	ND		200	26	ug/L			09/13/18 03:47	20
2-Chloroethyl vinyl ether	ND		100	19	ug/L			09/13/18 03:47	20
2-Hexanone	ND		100	25	ug/L			09/13/18 03:47	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			09/13/18 03:47	20
Acetone	ND		200	60	ug/L			09/13/18 03:47	20
Benzene	**150**		20	8.2	ug/L			09/13/18 03:47	20
Bromobenzene	ND		20	16	ug/L			09/13/18 03:47	20
Bromochloromethane	ND		20	17	ug/L			09/13/18 03:47	20
Bromodichloromethane	ND		20	7.8	ug/L			09/13/18 03:47	20
Bromoform	ND		20	5.2	ug/L			09/13/18 03:47	20
Bromomethane	ND		20	14	ug/L			09/13/18 03:47	20
Carbon disulfide	ND		20	3.8	ug/L			09/13/18 03:47	20
Carbon tetrachloride	ND		20	5.4	ug/L			09/13/18 03:47	20
Chlorobenzene	**1900**		20	15	ug/L			09/13/18 03:47	20
Chlorodibromomethane	ND		20	6.4	ug/L			09/13/18 03:47	20
Chloroethane	ND		20	6.4	ug/L			09/13/18 03:47	20
Chloroform	ND		20	6.8	ug/L			09/13/18 03:47	20
Chloromethane	ND		20	7.0	ug/L			09/13/18 03:47	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			09/13/18 03:47	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			09/13/18 03:47	20
Dichlorodifluoromethane	ND		20	14	ug/L			09/13/18 03:47	20
Ethylbenzene	ND		20	15	ug/L			09/13/18 03:47	20
Hexachlorobutadiene	ND		20	5.6	ug/L			09/13/18 03:47	20
Isopropylbenzene	ND		20	16	ug/L			09/13/18 03:47	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			09/13/18 03:47	20
Methylene Chloride	ND		20	8.8	ug/L			09/13/18 03:47	20
m-Xylene & p-Xylene	ND		40	13	ug/L			09/13/18 03:47	20
Naphthalene	ND		20	8.6	ug/L			09/13/18 03:47	20
n-Butylbenzene	ND		20	13	ug/L			09/13/18 03:47	20
N-Propylbenzene	ND		20	14	ug/L			09/13/18 03:47	20
o-Chlorotoluene	ND		20	17	ug/L			09/13/18 03:47	20
o-Xylene	ND		20	15	ug/L			09/13/18 03:47	20
p-Chlorotoluene	ND		20	17	ug/L			09/13/18 03:47	20
p-Cymene	ND		20	6.2	ug/L			09/13/18 03:47	20
sec-Butylbenzene	ND		20	15	ug/L			09/13/18 03:47	20
Styrene	ND		20	15	ug/L			09/13/18 03:47	20
tert-Butylbenzene	ND		20	16	ug/L			09/13/18 03:47	20
Tetrachloroethene	ND		20	7.2	ug/L			09/13/18 03:47	20
Toluene	ND		20	10	ug/L			09/13/18 03:47	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			09/13/18 03:47	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			09/13/18 03:47	20
Trichloroethene	ND		20	9.2	ug/L			09/13/18 03:47	20
Trichlorofluoromethane	ND		20	18	ug/L			09/13/18 03:47	20
Vinyl acetate	ND		100	17	ug/L			09/13/18 03:47	20
Vinyl chloride	**27**		20	18	ug/L			09/13/18 03:47	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*09/13/18 03:47*	*20*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*09/13/18 03:47*	*20*

Client Sample ID: MW-5C
Date Collected: 09/11/18 11:05
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-20
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/13/18 03:47*	*20*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/13/18 03:47*	*20*

Client Sample ID: MW-5A
Date Collected: 09/11/18 11:11
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-21
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/13/18 04:10	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/13/18 04:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/13/18 04:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/13/18 04:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/13/18 04:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/13/18 04:10	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/13/18 04:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/13/18 04:10	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/13/18 04:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/13/18 04:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/13/18 04:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/13/18 04:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/13/18 04:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/13/18 04:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/13/18 04:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/13/18 04:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/13/18 04:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/13/18 04:10	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/13/18 04:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/13/18 04:10	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/13/18 04:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/13/18 04:10	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/13/18 04:10	1
2-Hexanone	ND		5.0	1.2	ug/L			09/13/18 04:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/13/18 04:10	1
Acetone	ND		10	3.0	ug/L			09/13/18 04:10	1
Benzene	ND		1.0	0.41	ug/L			09/13/18 04:10	1
Bromobenzene	ND		1.0	0.80	ug/L			09/13/18 04:10	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/13/18 04:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/13/18 04:10	1
Bromoform	ND		1.0	0.26	ug/L			09/13/18 04:10	1
Bromomethane	ND		1.0	0.69	ug/L			09/13/18 04:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/13/18 04:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/13/18 04:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/13/18 04:10	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/13/18 04:10	1
Chloroethane	ND		1.0	0.32	ug/L			09/13/18 04:10	1
Chloroform	ND		1.0	0.34	ug/L			09/13/18 04:10	1
Chloromethane	ND		1.0	0.35	ug/L			09/13/18 04:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/13/18 04:10	1

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: MW-5A
Date Collected: 09/11/18 11:11
Date Received: 09/11/18 18:30

Lab Sample ID: 480-141571-21
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/13/18 04:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/13/18 04:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/13/18 04:10	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			09/13/18 04:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/13/18 04:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/13/18 04:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/13/18 04:10	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/13/18 04:10	1
Naphthalene	ND		1.0	0.43	ug/L			09/13/18 04:10	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/13/18 04:10	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/13/18 04:10	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/13/18 04:10	1
o-Xylene	ND		1.0	0.76	ug/L			09/13/18 04:10	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/13/18 04:10	1
p-Cymene	ND		1.0	0.31	ug/L			09/13/18 04:10	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/13/18 04:10	1
Styrene	ND		1.0	0.73	ug/L			09/13/18 04:10	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/13/18 04:10	1
Tetrachloroethene	**31**		1.0	0.36	ug/L			09/13/18 04:10	1
Toluene	ND		1.0	0.51	ug/L			09/13/18 04:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/13/18 04:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/13/18 04:10	1
Trichloroethene	**1.1**		1.0	0.46	ug/L			09/13/18 04:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/13/18 04:10	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/13/18 04:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/13/18 04:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*09/13/18 04:10*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*09/13/18 04:10*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*09/13/18 04:10*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/13/18 04:10*	*1*

Surrogate Summary

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-141571-1	TB-01 (TRIP BLANK)	100	107	105	104
480-141571-2	OW-12A	109	110	104	105
480-141571-3	MW-1CD	99	105	106	100
480-141571-4	OW-28B	100	103	104	100
480-141571-4 - DL	OW-28B	99	110	106	99
480-141571-4 MS	OW-28B	96	113	104	103
480-141571-4 MSD	OW-28B	94	114	105	103
480-141571-5	OW-15A	99	108	104	101
480-141571-6	MW-5CD	106	102	108	100
480-141571-7	OW-12B	101	110	105	101
480-141571-8	OW-9A	98	112	103	101
480-141571-8 - DL	OW-9A	95	105	99	98
480-141571-9	OW-27B	96	110	102	101
480-141571-10	MW-1C	101	109	105	103
480-141571-11	MW-1B	99	109	104	103
480-141571-11 - DL	MW-1B	99	106	102	100
480-141571-12	MW-4C	99	105	104	98
480-141571-12 MS	MW-4C	97	112	106	104
480-141571-12 MSD	MW-4C	102	108	112	101
480-141571-13	OW-29B	93	105	103	102
480-141571-14	MW-4B	98	104	104	101
480-141571-15	OW-113B	101	106	105	103
480-141571-15 - DL	OW-113B	98	106	101	98
480-141571-16	OW-13B	95	110	102	100
480-141571-16 - DL	OW-13B	94	109	101	100
480-141571-17	OW-16A	102	101	102	102
480-141571-18	OW-26B	103	102	107	99
480-141571-19	OW-30B	106	94	108	97
480-141571-20	MW-5C	95	109	104	101
480-141571-21	MW-5A	97	109	100	98
LCS 480-433927/5	Lab Control Sample	97	106	106	102
LCS 480-434118/5	Lab Control Sample	95	106	106	102
LCS 480-434538/6	Lab Control Sample	105	96	105	97
MB 480-433927/7	Method Blank	103	101	101	101
MB 480-434118/7	Method Blank	102	105	104	103
MB 480-434538/8	Method Blank	110	96	111	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-433927/7
Matrix: Water
Analysis Batch: 433927

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/12/18 09:50	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/12/18 09:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/12/18 09:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/12/18 09:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/12/18 09:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/12/18 09:50	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/12/18 09:50	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/12/18 09:50	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/12/18 09:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/12/18 09:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/12/18 09:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/12/18 09:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/12/18 09:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/12/18 09:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/12/18 09:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/12/18 09:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/12/18 09:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/12/18 09:50	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/12/18 09:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/12/18 09:50	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/12/18 09:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/12/18 09:50	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/12/18 09:50	1
2-Hexanone	ND		5.0	1.2	ug/L			09/12/18 09:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/12/18 09:50	1
Acetone	ND		10	3.0	ug/L			09/12/18 09:50	1
Benzene	ND		1.0	0.41	ug/L			09/12/18 09:50	1
Bromobenzene	ND		1.0	0.80	ug/L			09/12/18 09:50	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/12/18 09:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/12/18 09:50	1
Bromoform	ND		1.0	0.26	ug/L			09/12/18 09:50	1
Bromomethane	ND		1.0	0.69	ug/L			09/12/18 09:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/12/18 09:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/12/18 09:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/12/18 09:50	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/12/18 09:50	1
Chloroethane	ND		1.0	0.32	ug/L			09/12/18 09:50	1
Chloroform	ND		1.0	0.34	ug/L			09/12/18 09:50	1
Chloromethane	ND		1.0	0.35	ug/L			09/12/18 09:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/12/18 09:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/12/18 09:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/12/18 09:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/12/18 09:50	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			09/12/18 09:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/12/18 09:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/12/18 09:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/12/18 09:50	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/12/18 09:50	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-433927/7
Matrix: Water
Analysis Batch: 433927

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.43	ug/L			09/12/18 09:50	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/12/18 09:50	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/12/18 09:50	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/12/18 09:50	1
o-Xylene	ND		1.0	0.76	ug/L			09/12/18 09:50	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/12/18 09:50	1
p-Cymene	ND		1.0	0.31	ug/L			09/12/18 09:50	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/12/18 09:50	1
Styrene	ND		1.0	0.73	ug/L			09/12/18 09:50	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/12/18 09:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/12/18 09:50	1
Toluene	ND		1.0	0.51	ug/L			09/12/18 09:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/12/18 09:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/12/18 09:50	1
Trichloroethene	ND		1.0	0.46	ug/L			09/12/18 09:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/12/18 09:50	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/12/18 09:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/12/18 09:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/12/18 09:50*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*09/12/18 09:50*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/12/18 09:50*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*09/12/18 09:50*	*1*

Lab Sample ID: LCS 480-433927/5
Matrix: Water
Analysis Batch: 433927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	28.5		ug/L		114	80 - 120
1,1,1-Trichloroethane	25.0	24.8		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.0		ug/L		96	76 - 120
1,1,2-Trichloroethane	25.0	24.4		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	24.9		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	24.3		ug/L		97	66 - 127
1,1-Dichloropropene	25.0	23.6		ug/L		94	72 - 122
1,2,3-Trichlorobenzene	25.0	24.8		ug/L		99	75 - 123
1,2,3-Trichloropropane	25.0	23.0		ug/L		92	68 - 122
1,2,4-Trichlorobenzene	25.0	24.1		ug/L		96	79 - 122
1,2,4-Trimethylbenzene	25.0	25.0		ug/L		100	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	23.2		ug/L		93	56 - 134
1,2-Dibromoethane	25.0	25.8		ug/L		103	77 - 120
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	22.5		ug/L		90	75 - 120
1,2-Dichloropropane	25.0	25.6		ug/L		102	76 - 120
1,3,5-Trimethylbenzene	25.0	25.7		ug/L		103	77 - 121
1,3-Dichlorobenzene	25.0	25.1		ug/L		100	77 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-433927/5
Matrix: Water
Analysis Batch: 433927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	25.0	23.0		ug/L		92	75 - 120
1,4-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 120
2,2-Dichloropropane	25.0	29.6		ug/L		118	63 - 136
2-Butanone (MEK)	125	116		ug/L		93	57 - 140
2-Chloroethyl vinyl ether	25.0	24.5		ug/L		98	70 - 129
2-Hexanone	125	112		ug/L		89	65 - 127
4-Methyl-2-pentanone (MIBK)	125	112		ug/L		90	71 - 125
Acetone	125	106		ug/L		85	56 - 142
Benzene	25.0	24.5		ug/L		98	71 - 124
Bromobenzene	25.0	25.7		ug/L		103	78 - 120
Bromochloromethane	25.0	25.8		ug/L		103	72 - 130
Bromodichloromethane	25.0	24.7		ug/L		99	80 - 122
Bromoform	25.0	26.3		ug/L		105	61 - 132
Bromomethane	25.0	21.3		ug/L		85	55 - 144
Carbon disulfide	25.0	21.9		ug/L		87	59 - 134
Carbon tetrachloride	25.0	26.2		ug/L		105	72 - 134
Chlorobenzene	25.0	24.6		ug/L		99	80 - 120
Chlorodibromomethane	25.0	29.2		ug/L		117	75 - 125
Chloroethane	25.0	18.5		ug/L		74	69 - 136
Chloroform	25.0	24.1		ug/L		96	73 - 127
Chloromethane	25.0	22.1		ug/L		88	68 - 124
cis-1,2-Dichloroethene	25.0	25.4		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	25.9		ug/L		104	74 - 124
Dichlorodifluoromethane	25.0	22.4		ug/L		90	59 - 135
Ethylbenzene	25.0	23.8		ug/L		95	77 - 123
Hexachlorobutadiene	25.0	25.9		ug/L		104	68 - 131
Isopropylbenzene	25.0	23.5		ug/L		94	77 - 122
Methyl tert-butyl ether	25.0	24.7		ug/L		99	77 - 120
Methylene Chloride	25.0	24.8		ug/L		99	75 - 124
m-Xylene & p-Xylene	25.0	24.8		ug/L		99	76 - 122
Naphthalene	25.0	24.5		ug/L		98	66 - 125
n-Butylbenzene	25.0	24.0		ug/L		96	71 - 128
N-Propylbenzene	25.0	24.5		ug/L		98	75 - 127
o-Chlorotoluene	25.0	25.0		ug/L		100	76 - 121
o-Xylene	25.0	24.5		ug/L		98	76 - 122
p-Chlorotoluene	25.0	25.3		ug/L		101	77 - 121
p-Cymene	25.0	25.0		ug/L		100	73 - 120
sec-Butylbenzene	25.0	25.3		ug/L		101	74 - 127
Styrene	25.0	24.2		ug/L		97	80 - 120
tert-Butylbenzene	25.0	25.8		ug/L		103	75 - 123
Tetrachloroethene	25.0	25.6		ug/L		102	74 - 122
Toluene	25.0	25.2		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	25.0		ug/L		100	73 - 127
trans-1,3-Dichloropropene	25.0	24.2		ug/L		97	80 - 120
Trichloroethene	25.0	24.2		ug/L		97	74 - 123
Trichlorofluoromethane	25.0	23.2		ug/L		93	62 - 150
Vinyl acetate	50.0	57.7		ug/L		115	50 - 144
Vinyl chloride	25.0	21.6		ug/L		86	65 - 133

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-433927/5
Matrix: Water
Analysis Batch: 433927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 480-141571-12 MS
Matrix: Water
Analysis Batch: 433927

Client Sample ID: MW-4C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		10000	11700		ug/L		117	80 - 120
1,1,1-Trichloroethane	ND		10000	10500		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	ND		10000	9210		ug/L		92	76 - 120
1,1,2-Trichloroethane	ND		10000	10100		ug/L		101	76 - 122
1,1-Dichloroethane	ND		10000	10200		ug/L		102	77 - 120
1,1-Dichloroethene	ND	F2	10000	8760		ug/L		88	66 - 127
1,1-Dichloropropene	ND		10000	9800		ug/L		98	72 - 122
1,2,3-Trichlorobenzene	ND		10000	9250		ug/L		92	75 - 123
1,2,3-Trichloropropane	ND		10000	8580		ug/L		86	68 - 122
1,2,4-Trichlorobenzene	ND		10000	8900		ug/L		89	79 - 122
1,2,4-Trimethylbenzene	ND		10000	9360		ug/L		94	76 - 121
1,2-Dibromo-3-Chloropropane	ND		10000	8780		ug/L		88	56 - 134
1,2-Dibromoethane	ND		10000	10400		ug/L		104	77 - 120
1,2-Dichlorobenzene	2200	F1	10000	9570	F1	ug/L		73	80 - 124
1,2-Dichloroethane	ND		10000	9160		ug/L		92	75 - 120
1,2-Dichloropropane	ND		10000	10700		ug/L		107	76 - 120
1,3,5-Trimethylbenzene	ND		10000	9570		ug/L		96	77 - 121
1,3-Dichlorobenzene	370	J	10000	9490		ug/L		91	77 - 120
1,3-Dichloropropane	ND		10000	9510		ug/L		95	75 - 120
1,4-Dichlorobenzene	2100	F1	10000	9570	F1	ug/L		75	78 - 124
2,2-Dichloropropane	ND		10000	11400		ug/L		114	63 - 136
2-Butanone (MEK)	ND		50000	46300		ug/L		93	57 - 140
2-Chloroethyl vinyl ether	ND		10000	9060		ug/L		91	70 - 129
2-Hexanone	ND		50000	44900		ug/L		90	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		50000	45700		ug/L		91	71 - 125
Acetone	ND		50000	41800		ug/L		84	56 - 142
Benzene	7100	F1	10000	10500	F1	ug/L		34	71 - 124
Bromobenzene	ND		10000	9460		ug/L		95	78 - 120
Bromochloromethane	ND		10000	10800		ug/L		108	72 - 130
Bromodichloromethane	ND		10000	10500		ug/L		105	80 - 122
Bromoform	ND		10000	11200		ug/L		112	61 - 132
Bromomethane	ND		10000	9200		ug/L		92	55 - 144
Carbon disulfide	ND		10000	8990		ug/L		90	59 - 134
Carbon tetrachloride	ND		10000	11100		ug/L		111	72 - 134
Chlorobenzene	9500	F1	10000	10700	F1	ug/L		12	80 - 120
Chlorodibromomethane	ND		10000	11700		ug/L		117	75 - 125
Chloroethane	ND		10000	8610		ug/L		86	69 - 136
Chloroform	ND		10000	10100		ug/L		101	73 - 127

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-141571-12 MS
Matrix: Water
Analysis Batch: 433927

Client Sample ID: MW-4C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		10000	9350		ug/L		94	68 - 124
cis-1,2-Dichloroethene	34000	F1	10000	12900	F1	ug/L		-215	74 - 124
cis-1,3-Dichloropropene	ND		10000	10100		ug/L		101	74 - 124
Dichlorodifluoromethane	ND		10000	10200		ug/L		102	59 - 135
Ethylbenzene	ND		10000	10100		ug/L		101	77 - 123
Hexachlorobutadiene	ND		10000	9360		ug/L		94	68 - 131
Isopropylbenzene	ND		10000	9020		ug/L		90	77 - 122
Methyl tert-butyl ether	ND		10000	10000		ug/L		100	77 - 120
Methylene Chloride	ND		10000	10600		ug/L		106	75 - 124
m-Xylene & p-Xylene	ND		10000	10300		ug/L		103	76 - 122
Naphthalene	ND		10000	9250		ug/L		92	66 - 125
n-Butylbenzene	ND		10000	9150		ug/L		91	71 - 128
N-Propylbenzene	ND		10000	9170		ug/L		92	75 - 127
o-Chlorotoluene	ND		10000	9310		ug/L		93	76 - 121
o-Xylene	ND		10000	10200		ug/L		102	76 - 122
p-Chlorotoluene	ND		10000	9540		ug/L		95	77 - 121
p-Cymene	ND		10000	9290		ug/L		93	73 - 120
sec-Butylbenzene	ND		10000	9630		ug/L		96	74 - 127
Styrene	ND		10000	10300		ug/L		103	80 - 120
tert-Butylbenzene	ND		10000	9840		ug/L		98	75 - 123
Tetrachloroethene	230	J	10000	10800		ug/L		106	74 - 122
Toluene	ND		10000	10400		ug/L		104	80 - 122
trans-1,2-Dichloroethene	790		10000	10100		ug/L		93	73 - 127
trans-1,3-Dichloropropene	ND		10000	9590		ug/L		96	80 - 120
Trichloroethene	560		10000	10500		ug/L		99	74 - 123
Trichlorofluoromethane	ND		10000	9780		ug/L		98	62 - 150
Vinyl acetate	ND		20000	20200		ug/L		101	50 - 144
Vinyl chloride	3700	F1	10000	9740	F1	ug/L		60	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: 480-141571-12 MSD
Matrix: Water
Analysis Batch: 433927

Client Sample ID: MW-4C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		10000	11100		ug/L		111	80 - 120	5	20
1,1,1-Trichloroethane	ND		10000	10800		ug/L		108	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		10000	9290		ug/L		93	76 - 120	1	15
1,1,2-Trichloroethane	ND		10000	9400		ug/L		94	76 - 122	7	15
1,1-Dichloroethane	ND		10000	10400		ug/L		104	77 - 120	2	20
1,1-Dichloroethene	ND	F2	10000	10700	F2	ug/L		107	66 - 127	20	16
1,1-Dichloropropene	ND		10000	10200		ug/L		102	72 - 122	4	20
1,2,3-Trichlorobenzene	ND		10000	9240		ug/L		92	75 - 123	0	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-141571-12 MSD
Matrix: Water
Analysis Batch: 433927

Client Sample ID: MW-4C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3-Trichloropropane	ND		10000	8800		ug/L		88	68 - 122	3	14
1,2,4-Trichlorobenzene	ND		10000	9020		ug/L		90	79 - 122	1	20
1,2,4-Trimethylbenzene	ND		10000	9620		ug/L		96	76 - 121	3	20
1,2-Dibromo-3-Chloropropane	ND		10000	8360		ug/L		84	56 - 134	5	15
1,2-Dibromoethane	ND		10000	10000		ug/L		100	77 - 120	4	15
1,2-Dichlorobenzene	2200	F1	10000	9680	F1	ug/L		74	80 - 124	1	20
1,2-Dichloroethane	ND		10000	9490		ug/L		95	75 - 120	4	20
1,2-Dichloropropane	ND		10000	11000		ug/L		110	76 - 120	3	20
1,3,5-Trimethylbenzene	ND		10000	9860		ug/L		99	77 - 121	3	20
1,3-Dichlorobenzene	370	J	10000	9700		ug/L		93	77 - 120	2	20
1,3-Dichloropropane	ND		10000	9300		ug/L		93	75 - 120	2	20
1,4-Dichlorobenzene	2100	F1	10000	9770	F1	ug/L		77	78 - 124	2	20
2,2-Dichloropropane	ND		10000	11200		ug/L		112	63 - 136	2	20
2-Butanone (MEK)	ND		50000	46500		ug/L		93	57 - 140	1	20
2-Chloroethyl vinyl ether	ND		10000	9420		ug/L		94	70 - 129	4	20
2-Hexanone	ND		50000	43200		ug/L		86	65 - 127	4	15
4-Methyl-2-pentanone (MIBK)	ND		50000	43700		ug/L		87	71 - 125	5	35
Acetone	ND		50000	43300		ug/L		87	56 - 142	3	15
Benzene	7100	F1	10000	10800	F1	ug/L		37	71 - 124	3	13
Bromobenzene	ND		10000	9580		ug/L		96	78 - 120	1	15
Bromochloromethane	ND		10000	10800		ug/L		108	72 - 130	0	15
Bromodichloromethane	ND		10000	10900		ug/L		109	80 - 122	4	15
Bromoform	ND		10000	10400		ug/L		104	61 - 132	7	15
Bromomethane	ND		10000	8430		ug/L		84	55 - 144	9	15
Carbon disulfide	ND		10000	9180		ug/L		92	59 - 134	2	15
Carbon tetrachloride	ND		10000	11500		ug/L		115	72 - 134	4	15
Chlorobenzene	9500	F1	10000	10400	F1	ug/L		9	80 - 120	2	25
Chlorodibromomethane	ND		10000	11800		ug/L		118	75 - 125	0	15
Chloroethane	ND		10000	8290		ug/L		83	69 - 136	4	15
Chloroform	ND		10000	10400		ug/L		104	73 - 127	3	20
Chloromethane	ND		10000	9500		ug/L		95	68 - 124	2	15
cis-1,2-Dichloroethene	34000	F1	10000	13500	F1	ug/L		-208	74 - 124	5	15
cis-1,3-Dichloropropene	ND		10000	10500		ug/L		105	74 - 124	4	15
Dichlorodifluoromethane	ND		10000	10500		ug/L		105	59 - 135	3	20
Ethylbenzene	ND		10000	9560		ug/L		96	77 - 123	5	15
Hexachlorobutadiene	ND		10000	9590		ug/L		96	68 - 131	2	20
Isopropylbenzene	ND		10000	9160		ug/L		92	77 - 122	2	20
Methyl tert-butyl ether	ND		10000	10100		ug/L		101	77 - 120	0	37
Methylene Chloride	ND		10000	10800		ug/L		108	75 - 124	1	15
m-Xylene & p-Xylene	ND		10000	9670		ug/L		97	76 - 122	6	16
Naphthalene	ND		10000	9130		ug/L		91	66 - 125	1	20
n-Butylbenzene	ND		10000	8960		ug/L		90	71 - 128	2	15
N-Propylbenzene	ND		10000	9350		ug/L		94	75 - 127	2	15
o-Chlorotoluene	ND		10000	9330		ug/L		93	76 - 121	0	20
o-Xylene	ND		10000	9820		ug/L		98	76 - 122	4	16
p-Chlorotoluene	ND		10000	9670		ug/L		97	77 - 121	1	15
p-Cymene	ND		10000	9440		ug/L		94	73 - 120	2	20
sec-Butylbenzene	ND		10000	9870		ug/L		99	74 - 127	3	15

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-141571-12 MSD
Matrix: Water
Analysis Batch: 433927

Client Sample ID: MW-4C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene	ND		10000	9740		ug/L		97	80 - 120	6	20
tert-Butylbenzene	ND		10000	9970		ug/L		100	75 - 123	1	15
Tetrachloroethene	230	J	10000	10100		ug/L		98	74 - 122	7	20
Toluene	ND		10000	9890		ug/L		99	80 - 122	5	15
trans-1,2-Dichloroethene	790		10000	10100		ug/L		93	73 - 127	1	20
trans-1,3-Dichloropropene	ND		10000	9540		ug/L		95	80 - 120	0	15
Trichloroethene	560		10000	10700		ug/L		102	74 - 123	2	16
Trichlorofluoromethane	ND		10000	10000		ug/L		100	62 - 150	3	20
Vinyl acetate	ND		20000	20700		ug/L		104	50 - 144	3	23
Vinyl chloride	3700	F1	10000	9620	F1	ug/L		59	65 - 133	1	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*112*		*75 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 480-434118/7
Matrix: Water
Analysis Batch: 434118

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/12/18 21:01	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/12/18 21:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/12/18 21:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/12/18 21:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/12/18 21:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/12/18 21:01	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/12/18 21:01	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/12/18 21:01	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/12/18 21:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/12/18 21:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/12/18 21:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/12/18 21:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/12/18 21:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/12/18 21:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/12/18 21:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/12/18 21:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/12/18 21:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/12/18 21:01	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/12/18 21:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/12/18 21:01	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/12/18 21:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/12/18 21:01	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/12/18 21:01	1
2-Hexanone	ND		5.0	1.2	ug/L			09/12/18 21:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/12/18 21:01	1
Acetone	ND		10	3.0	ug/L			09/12/18 21:01	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-434118/7
Matrix: Water
Analysis Batch: 434118

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			09/12/18 21:01	1
Bromobenzene	ND		1.0	0.80	ug/L			09/12/18 21:01	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/12/18 21:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/12/18 21:01	1
Bromoform	ND		1.0	0.26	ug/L			09/12/18 21:01	1
Bromomethane	ND		1.0	0.69	ug/L			09/12/18 21:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/12/18 21:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/12/18 21:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/12/18 21:01	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/12/18 21:01	1
Chloroethane	ND		1.0	0.32	ug/L			09/12/18 21:01	1
Chloroform	ND		1.0	0.34	ug/L			09/12/18 21:01	1
Chloromethane	ND		1.0	0.35	ug/L			09/12/18 21:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/12/18 21:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/12/18 21:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/12/18 21:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/12/18 21:01	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			09/12/18 21:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/12/18 21:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/12/18 21:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/12/18 21:01	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/12/18 21:01	1
Naphthalene	ND		1.0	0.43	ug/L			09/12/18 21:01	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/12/18 21:01	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/12/18 21:01	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/12/18 21:01	1
o-Xylene	ND		1.0	0.76	ug/L			09/12/18 21:01	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/12/18 21:01	1
p-Cymene	ND		1.0	0.31	ug/L			09/12/18 21:01	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/12/18 21:01	1
Styrene	ND		1.0	0.73	ug/L			09/12/18 21:01	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/12/18 21:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/12/18 21:01	1
Toluene	ND		1.0	0.51	ug/L			09/12/18 21:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/12/18 21:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/12/18 21:01	1
Trichloroethene	ND		1.0	0.46	ug/L			09/12/18 21:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/12/18 21:01	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/12/18 21:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/12/18 21:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/12/18 21:01*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*09/12/18 21:01*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/12/18 21:01*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/12/18 21:01*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-434118/5
Matrix: Water
Analysis Batch: 434118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	28.5		ug/L		114	80 - 120
1,1,1-Trichloroethane	25.0	27.2		ug/L		109	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	76 - 120
1,1,2-Trichloroethane	25.0	24.1		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	25.1		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	26.1		ug/L		104	66 - 127
1,1-Dichloropropene	25.0	25.7		ug/L		103	72 - 122
1,2,3-Trichlorobenzene	25.0	23.3		ug/L		93	75 - 123
1,2,3-Trichloropropane	25.0	22.2		ug/L		89	68 - 122
1,2,4-Trichlorobenzene	25.0	23.1		ug/L		92	79 - 122
1,2,4-Trimethylbenzene	25.0	24.6		ug/L		99	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	19.7		ug/L		79	56 - 134
1,2-Dibromoethane	25.0	25.2		ug/L		101	77 - 120
1,2-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	23.2		ug/L		93	75 - 120
1,2-Dichloropropane	25.0	26.5		ug/L		106	76 - 120
1,3,5-Trimethylbenzene	25.0	24.9		ug/L		99	77 - 121
1,3-Dichlorobenzene	25.0	24.2		ug/L		97	77 - 120
1,3-Dichloropropane	25.0	22.9		ug/L		92	75 - 120
1,4-Dichlorobenzene	25.0	24.6		ug/L		98	80 - 120
2,2-Dichloropropane	25.0	33.9		ug/L		136	63 - 136
2-Butanone (MEK)	125	108		ug/L		86	57 - 140
2-Chloroethyl vinyl ether	25.0	22.8		ug/L		91	70 - 129
2-Hexanone	125	107		ug/L		86	65 - 127
4-Methyl-2-pentanone (MIBK)	125	109		ug/L		88	71 - 125
Acetone	125	99.0		ug/L		79	56 - 142
Benzene	25.0	25.5		ug/L		102	71 - 124
Bromobenzene	25.0	24.5		ug/L		98	78 - 120
Bromochloromethane	25.0	27.6		ug/L		110	72 - 130
Bromodichloromethane	25.0	24.6		ug/L		99	80 - 122
Bromoform	25.0	26.8		ug/L		107	61 - 132
Bromomethane	25.0	19.6		ug/L		78	55 - 144
Carbon disulfide	25.0	23.6		ug/L		94	59 - 134
Carbon tetrachloride	25.0	28.9		ug/L		116	72 - 134
Chlorobenzene	25.0	25.1		ug/L		100	80 - 120
Chlorodibromomethane	25.0	29.3		ug/L		117	75 - 125
Chloroethane	25.0	19.9		ug/L		80	69 - 136
Chloroform	25.0	25.1		ug/L		100	73 - 127
Chloromethane	25.0	21.6		ug/L		86	68 - 124
cis-1,2-Dichloroethene	25.0	25.7		ug/L		103	74 - 124
cis-1,3-Dichloropropene	25.0	25.5		ug/L		102	74 - 124
Dichlorodifluoromethane	25.0	22.4		ug/L		90	59 - 135
Ethylbenzene	25.0	24.7		ug/L		99	77 - 123
Hexachlorobutadiene	25.0	24.7		ug/L		99	68 - 131
Isopropylbenzene	25.0	24.0		ug/L		96	77 - 122
Methyl tert-butyl ether	25.0	25.0		ug/L		100	77 - 120
Methylene Chloride	25.0	25.4		ug/L		102	75 - 124
m-Xylene & p-Xylene	25.0	25.3		ug/L		101	76 - 122

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-434118/5
Matrix: Water
Analysis Batch: 434118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	25.0	23.3		ug/L		93	66 - 125
n-Butylbenzene	25.0	24.0		ug/L		96	71 - 128
N-Propylbenzene	25.0	24.5		ug/L		98	75 - 127
o-Chlorotoluene	25.0	24.4		ug/L		97	76 - 121
o-Xylene	25.0	25.6		ug/L		102	76 - 122
p-Chlorotoluene	25.0	23.9		ug/L		96	77 - 121
p-Cymene	25.0	25.2		ug/L		101	73 - 120
sec-Butylbenzene	25.0	25.4		ug/L		102	74 - 127
Styrene	25.0	24.2		ug/L		97	80 - 120
tert-Butylbenzene	25.0	25.4		ug/L		102	75 - 123
Tetrachloroethene	25.0	26.6		ug/L		106	74 - 122
Toluene	25.0	25.5		ug/L		102	80 - 122
trans-1,2-Dichloroethene	25.0	25.2		ug/L		101	73 - 127
trans-1,3-Dichloropropene	25.0	24.4		ug/L		98	80 - 120
Trichloroethene	25.0	26.0		ug/L		104	74 - 123
Trichlorofluoromethane	25.0	24.2		ug/L		97	62 - 150
Vinyl acetate	50.0	55.2		ug/L		110	50 - 144
Vinyl chloride	25.0	23.0		ug/L		92	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 480-141571-4 MS
Matrix: Water
Analysis Batch: 434118

Client Sample ID: OW-28B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		2500	2880		ug/L		115	80 - 120
1,1,1-Trichloroethane	ND		2500	2660		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	360		2500	2740		ug/L		95	76 - 120
1,1,2-Trichloroethane	ND		2500	2570		ug/L		103	76 - 122
1,1-Dichloroethane	ND		2500	2550		ug/L		102	77 - 120
1,1-Dichloroethene	ND		2500	2590		ug/L		104	66 - 127
1,1-Dichloropropene	ND		2500	2420		ug/L		97	72 - 122
1,2,3-Trichlorobenzene	ND		2500	2310		ug/L		92	75 - 123
1,2,3-Trichloropropane	ND		2500	2180		ug/L		87	68 - 122
1,2,4-Trichlorobenzene	46	J	2500	2260		ug/L		89	79 - 122
1,2,4-Trimethylbenzene	ND		2500	2390		ug/L		96	76 - 121
1,2-Dibromo-3-Chloropropane	ND		2500	1900		ug/L		76	56 - 134
1,2-Dibromoethane	ND		2500	2530		ug/L		101	77 - 120
1,2-Dichlorobenzene	100		2500	2530		ug/L		97	80 - 124
1,2-Dichloroethane	ND		2500	2270		ug/L		91	75 - 120
1,2-Dichloropropane	ND		2500	2540		ug/L		102	76 - 120
1,3,5-Trimethylbenzene	ND		2500	2470		ug/L		99	77 - 121
1,3-Dichlorobenzene	96	J	2500	2570		ug/L		99	77 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-141571-4 MS
Matrix: Water
Analysis Batch: 434118

Client Sample ID: OW-28B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	ND		2500	2280		ug/L		91	75 - 120
1,4-Dichlorobenzene	150		2500	2610		ug/L		98	78 - 124
2,2-Dichloropropane	ND		2500	3170		ug/L		127	63 - 136
2-Butanone (MEK)	ND		12500	11100		ug/L		89	57 - 140
2-Chloroethyl vinyl ether	ND		2500	2150		ug/L		86	70 - 129
2-Hexanone	ND		12500	10900		ug/L		87	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		12500	11000		ug/L		88	71 - 125
Acetone	ND		12500	9960		ug/L		80	56 - 142
Benzene	53	J	2500	2550		ug/L		100	71 - 124
Bromobenzene	ND		2500	2400		ug/L		96	78 - 120
Bromochloromethane	ND		2500	2620		ug/L		105	72 - 130
Bromodichloromethane	ND		2500	2480		ug/L		99	80 - 122
Bromoform	ND		2500	2560		ug/L		102	61 - 132
Bromomethane	ND		2500	2110		ug/L		85	55 - 144
Carbon disulfide	ND		2500	2350		ug/L		94	59 - 134
Carbon tetrachloride	ND		2500	2840		ug/L		114	72 - 134
Chlorobenzene	190		2500	2810		ug/L		105	80 - 120
Chlorodibromomethane	ND		2500	2870		ug/L		115	75 - 125
Chloroethane	ND	F1	2500	1690	F1	ug/L		68	69 - 136
Chloroform	ND		2500	2410		ug/L		97	73 - 127
Chloromethane	ND		2500	2120		ug/L		85	68 - 124
cis-1,2-Dichloroethene	4900		2500	7450		ug/L		100	74 - 124
cis-1,3-Dichloropropene	ND		2500	2450		ug/L		98	74 - 124
Dichlorodifluoromethane	ND		2500	2030		ug/L		81	59 - 135
Ethylbenzene	ND		2500	2540		ug/L		102	77 - 123
Hexachlorobutadiene	ND		2500	2430		ug/L		97	68 - 131
Isopropylbenzene	ND		2500	2360		ug/L		94	77 - 122
Methyl tert-butyl ether	ND		2500	2410		ug/L		96	77 - 120
Methylene Chloride	ND		2500	2530		ug/L		101	75 - 124
m-Xylene & p-Xylene	ND		2500	2590		ug/L		103	76 - 122
Naphthalene	ND		2500	2220		ug/L		89	66 - 125
n-Butylbenzene	ND		2500	2330		ug/L		93	71 - 128
N-Propylbenzene	ND		2500	2410		ug/L		96	75 - 127
o-Chlorotoluene	ND		2500	2450		ug/L		98	76 - 121
o-Xylene	ND		2500	2570		ug/L		103	76 - 122
p-Chlorotoluene	ND		2500	2420		ug/L		97	77 - 121
p-Cymene	ND		2500	2420		ug/L		97	73 - 120
sec-Butylbenzene	ND		2500	2510		ug/L		100	74 - 127
Styrene	ND		2500	2550		ug/L		102	80 - 120
tert-Butylbenzene	ND		2500	2400		ug/L		96	75 - 123
Tetrachloroethene	1600		2500	4320		ug/L		108	74 - 122
Toluene	ND		2500	2600		ug/L		104	80 - 122
trans-1,2-Dichloroethene	99	J	2500	2700		ug/L		104	73 - 127
trans-1,3-Dichloropropene	ND		2500	2380		ug/L		95	80 - 120
Trichloroethene	4400		2500	6700		ug/L		93	74 - 123
Trichlorofluoromethane	ND		2500	2220		ug/L		89	62 - 150
Vinyl acetate	ND		5000	5050		ug/L		101	50 - 144
Vinyl chloride	510		2500	2630		ug/L		85	65 - 133

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-141571-4 MS
Matrix: Water
Analysis Batch: 434118

Client Sample ID: OW-28B
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: 480-141571-4 MSD
Matrix: Water
Analysis Batch: 434118

Client Sample ID: OW-28B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		2500	2910		ug/L		116	80 - 120	1	20
1,1,1-Trichloroethane	ND		2500	2720		ug/L		109	73 - 126	2	15
1,1,2,2-Tetrachloroethane	360		2500	2760		ug/L		96	76 - 120	1	15
1,1,2-Trichloroethane	ND		2500	2550		ug/L		102	76 - 122	1	15
1,1-Dichloroethane	ND		2500	2630		ug/L		105	77 - 120	3	20
1,1-Dichloroethene	ND		2500	2730		ug/L		109	66 - 127	5	16
1,1-Dichloropropene	ND		2500	2480		ug/L		99	72 - 122	2	20
1,2,3-Trichlorobenzene	ND		2500	2340		ug/L		94	75 - 123	1	20
1,2,3-Trichloropropane	ND		2500	2210		ug/L		88	68 - 122	1	14
1,2,4-Trichlorobenzene	46	J	2500	2360		ug/L		93	79 - 122	4	20
1,2,4-Trimethylbenzene	ND		2500	2440		ug/L		98	76 - 121	2	20
1,2-Dibromo-3-Chloropropane	ND		2500	2020		ug/L		81	56 - 134	6	15
1,2-Dibromoethane	ND		2500	2530		ug/L		101	77 - 120	0	15
1,2-Dichlorobenzene	100		2500	2520		ug/L		97	80 - 124	1	20
1,2-Dichloroethane	ND		2500	2300		ug/L		92	75 - 120	1	20
1,2-Dichloropropane	ND		2500	2530		ug/L		101	76 - 120	1	20
1,3,5-Trimethylbenzene	ND		2500	2510		ug/L		100	77 - 121	1	20
1,3-Dichlorobenzene	96	J	2500	2600		ug/L		100	77 - 120	1	20
1,3-Dichloropropane	ND		2500	2330		ug/L		93	75 - 120	2	20
1,4-Dichlorobenzene	150		2500	2540		ug/L		96	78 - 124	3	20
2,2-Dichloropropane	ND		2500	3150		ug/L		126	63 - 136	0	20
2-Butanone (MEK)	ND		12500	11100		ug/L		89	57 - 140	0	20
2-Chloroethyl vinyl ether	ND		2500	2150		ug/L		86	70 - 129	0	20
2-Hexanone	ND		12500	10600		ug/L		85	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	ND		12500	11000		ug/L		88	71 - 125	0	35
Acetone	ND		12500	10200		ug/L		82	56 - 142	3	15
Benzene	53	J	2500	2640		ug/L		103	71 - 124	3	13
Bromobenzene	ND		2500	2450		ug/L		98	78 - 120	2	15
Bromochloromethane	ND		2500	2600		ug/L		104	72 - 130	1	15
Bromodichloromethane	ND		2500	2500		ug/L		100	80 - 122	1	15
Bromoform	ND		2500	2730		ug/L		109	61 - 132	7	15
Bromomethane	ND		2500	2010		ug/L		81	55 - 144	5	15
Carbon disulfide	ND		2500	2350		ug/L		94	59 - 134	0	15
Carbon tetrachloride	ND		2500	2840		ug/L		114	72 - 134	0	15
Chlorobenzene	190		2500	2830		ug/L		106	80 - 120	1	25
Chlorodibromomethane	ND		2500	2870		ug/L		115	75 - 125	0	15
Chloroethane	ND	F1	2500	1880		ug/L		75	69 - 136	11	15
Chloroform	ND		2500	2520		ug/L		101	73 - 127	4	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-141571-4 MSD
Matrix: Water
Analysis Batch: 434118

Client Sample ID: OW-28B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	ND		2500	2090		ug/L		84	68 - 124	1	15
cis-1,2-Dichloroethene	4900		2500	7550		ug/L		104	74 - 124	1	15
cis-1,3-Dichloropropene	ND		2500	2500		ug/L		100	74 - 124	2	15
Dichlorodifluoromethane	ND		2500	1940		ug/L		78	59 - 135	5	20
Ethylbenzene	ND		2500	2530		ug/L		101	77 - 123	0	15
Hexachlorobutadiene	ND		2500	2330		ug/L		93	68 - 131	4	20
Isopropylbenzene	ND		2500	2400		ug/L		96	77 - 122	2	20
Methyl tert-butyl ether	ND		2500	2450		ug/L		98	77 - 120	2	37
Methylene Chloride	ND		2500	2440		ug/L		97	75 - 124	4	15
m-Xylene & p-Xylene	ND		2500	2650		ug/L		106	76 - 122	2	16
Naphthalene	ND		2500	2290		ug/L		91	66 - 125	3	20
n-Butylbenzene	ND		2500	2370		ug/L		95	71 - 128	2	15
N-Propylbenzene	ND		2500	2460		ug/L		98	75 - 127	2	15
o-Chlorotoluene	ND		2500	2430		ug/L		97	76 - 121	1	20
o-Xylene	ND		2500	2620		ug/L		105	76 - 122	2	16
p-Chlorotoluene	ND		2500	2460		ug/L		98	77 - 121	2	15
p-Cymene	ND		2500	2490		ug/L		100	73 - 120	3	20
sec-Butylbenzene	ND		2500	2560		ug/L		102	74 - 127	2	15
Styrene	ND		2500	2470		ug/L		99	80 - 120	3	20
tert-Butylbenzene	ND		2500	2650		ug/L		106	75 - 123	10	15
Tetrachloroethene	1600		2500	4360		ug/L		110	74 - 122	1	20
Toluene	ND		2500	2600		ug/L		104	80 - 122	0	15
trans-1,2-Dichloroethene	99	J	2500	2600		ug/L		100	73 - 127	4	20
trans-1,3-Dichloropropene	ND		2500	2300		ug/L		92	80 - 120	3	15
Trichloroethene	4400		2500	6900		ug/L		101	74 - 123	3	16
Trichlorofluoromethane	ND		2500	2200		ug/L		88	62 - 150	1	20
Vinyl acetate	ND		5000	5070		ug/L		101	50 - 144	0	23
Vinyl chloride	510		2500	2680		ug/L		87	65 - 133	2	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 480-434538/8
Matrix: Water
Analysis Batch: 434538

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/14/18 21:30	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/14/18 21:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/14/18 21:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/14/18 21:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/14/18 21:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/14/18 21:30	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/14/18 21:30	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/14/18 21:30	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-434538/8
Matrix: Water
Analysis Batch: 434538

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/14/18 21:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/14/18 21:30	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/14/18 21:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/14/18 21:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/14/18 21:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/14/18 21:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/14/18 21:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/14/18 21:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/14/18 21:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/14/18 21:30	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/14/18 21:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/14/18 21:30	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/14/18 21:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/14/18 21:30	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/14/18 21:30	1
2-Hexanone	ND		5.0	1.2	ug/L			09/14/18 21:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/14/18 21:30	1
Acetone	ND		10	3.0	ug/L			09/14/18 21:30	1
Benzene	ND		1.0	0.41	ug/L			09/14/18 21:30	1
Bromobenzene	ND		1.0	0.80	ug/L			09/14/18 21:30	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/14/18 21:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/14/18 21:30	1
Bromoform	ND		1.0	0.26	ug/L			09/14/18 21:30	1
Bromomethane	ND		1.0	0.69	ug/L			09/14/18 21:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/14/18 21:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/14/18 21:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/14/18 21:30	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/14/18 21:30	1
Chloroethane	ND		1.0	0.32	ug/L			09/14/18 21:30	1
Chloroform	ND		1.0	0.34	ug/L			09/14/18 21:30	1
Chloromethane	ND		1.0	0.35	ug/L			09/14/18 21:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/14/18 21:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/14/18 21:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/14/18 21:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/14/18 21:30	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			09/14/18 21:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/14/18 21:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/14/18 21:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/14/18 21:30	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/14/18 21:30	1
Naphthalene	ND		1.0	0.43	ug/L			09/14/18 21:30	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/14/18 21:30	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/14/18 21:30	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/14/18 21:30	1
o-Xylene	ND		1.0	0.76	ug/L			09/14/18 21:30	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/14/18 21:30	1
p-Cymene	ND		1.0	0.31	ug/L			09/14/18 21:30	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/14/18 21:30	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-434538/8
Matrix: Water
Analysis Batch: 434538

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			09/14/18 21:30	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/14/18 21:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/14/18 21:30	1
Toluene	ND		1.0	0.51	ug/L			09/14/18 21:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/14/18 21:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/14/18 21:30	1
Trichloroethene	ND		1.0	0.46	ug/L			09/14/18 21:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/14/18 21:30	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/14/18 21:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/14/18 21:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*09/14/18 21:30*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/14/18 21:30*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*09/14/18 21:30*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/14/18 21:30*	*1*

Lab Sample ID: LCS 480-434538/6
Matrix: Water
Analysis Batch: 434538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	26.5		ug/L		106	80 - 120
1,1,1-Trichloroethane	25.0	27.8		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.1		ug/L		100	76 - 120
1,1,2-Trichloroethane	25.0	24.4		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	26.5		ug/L		106	77 - 120
1,1-Dichloroethene	25.0	24.5		ug/L		98	66 - 127
1,1-Dichloropropene	25.0	28.1		ug/L		112	72 - 122
1,2,3-Trichlorobenzene	25.0	21.9		ug/L		88	75 - 123
1,2,3-Trichloropropane	25.0	29.8		ug/L		119	68 - 122
1,2,4-Trichlorobenzene	25.0	22.7		ug/L		91	79 - 122
1,2,4-Trimethylbenzene	25.0	25.7		ug/L		103	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	24.7		ug/L		99	56 - 134
1,2-Dibromoethane	25.0	25.5		ug/L		102	77 - 120
1,2-Dichlorobenzene	25.0	27.1		ug/L		108	80 - 124
1,2-Dichloroethane	25.0	27.5		ug/L		110	75 - 120
1,2-Dichloropropane	25.0	26.7		ug/L		107	76 - 120
1,3,5-Trimethylbenzene	25.0	26.4		ug/L		106	77 - 121
1,3-Dichlorobenzene	25.0	28.0		ug/L		112	77 - 120
1,3-Dichloropropane	25.0	25.4		ug/L		102	75 - 120
1,4-Dichlorobenzene	25.0	26.7		ug/L		107	80 - 120
2,2-Dichloropropane	25.0	29.9		ug/L		120	63 - 136
2-Butanone (MEK)	125	136		ug/L		109	57 - 140
2-Chloroethyl vinyl ether	25.0	24.5		ug/L		98	70 - 129
2-Hexanone	125	118		ug/L		94	65 - 127
4-Methyl-2-pentanone (MIBK)	125	122		ug/L		98	71 - 125
Acetone	125	136		ug/L		109	56 - 142

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-434538/6
Matrix: Water
Analysis Batch: 434538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	25.7		ug/L		103	71 - 124
Bromobenzene	25.0	25.0		ug/L		100	78 - 120
Bromochloromethane	25.0	28.3		ug/L		113	72 - 130
Bromodichloromethane	25.0	26.0		ug/L		104	80 - 122
Bromoform	25.0	25.5		ug/L		102	61 - 132
Bromomethane	25.0	17.7		ug/L		71	55 - 144
Carbon disulfide	25.0	24.1		ug/L		96	59 - 134
Carbon tetrachloride	25.0	29.1		ug/L		116	72 - 134
Chlorobenzene	25.0	26.6		ug/L		106	80 - 120
Chlorodibromomethane	25.0	26.2		ug/L		105	75 - 125
Chloroethane	25.0	19.4		ug/L		78	69 - 136
Chloroform	25.0	26.4		ug/L		106	73 - 127
Chloromethane	25.0	21.1		ug/L		84	68 - 124
cis-1,2-Dichloroethene	25.0	26.7		ug/L		107	74 - 124
cis-1,3-Dichloropropene	25.0	26.2		ug/L		105	74 - 124
Dichlorodifluoromethane	25.0	21.2		ug/L		85	59 - 135
Ethylbenzene	25.0	25.6		ug/L		103	77 - 123
Hexachlorobutadiene	25.0	20.6		ug/L		82	68 - 131
Isopropylbenzene	25.0	26.7		ug/L		107	77 - 122
Methyl tert-butyl ether	25.0	26.7		ug/L		107	77 - 120
Methylene Chloride	25.0	25.6		ug/L		103	75 - 124
m-Xylene & p-Xylene	25.0	25.2		ug/L		101	76 - 122
Naphthalene	25.0	25.0		ug/L		100	66 - 125
n-Butylbenzene	25.0	25.5		ug/L		102	71 - 128
N-Propylbenzene	25.0	25.8		ug/L		103	75 - 127
o-Chlorotoluene	25.0	28.5		ug/L		114	76 - 121
o-Xylene	25.0	25.4		ug/L		102	76 - 122
p-Chlorotoluene	25.0	25.5		ug/L		102	77 - 121
p-Cymene	25.0	27.4		ug/L		109	73 - 120
sec-Butylbenzene	25.0	27.9		ug/L		111	74 - 127
Styrene	25.0	25.3		ug/L		101	80 - 120
tert-Butylbenzene	25.0	29.1		ug/L		117	75 - 123
Tetrachloroethene	25.0	26.9		ug/L		108	74 - 122
Toluene	25.0	24.7		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	26.5		ug/L		106	73 - 127
trans-1,3-Dichloropropene	25.0	24.9		ug/L		100	80 - 120
Trichloroethene	25.0	27.7		ug/L		111	74 - 123
Trichlorofluoromethane	25.0	25.4		ug/L		102	62 - 150
Vinyl acetate	50.0	59.2		ug/L		118	50 - 144
Vinyl chloride	25.0	21.1		ug/L		85	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*
Toluene-d8 (Surr)	*97*		*80 - 120*

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

GC/MS VOA

Analysis Batch: 433927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141571-1	TB-01 (TRIP BLANK)	Total/NA	Water	8260C	
480-141571-2	OW-12A	Total/NA	Water	8260C	
480-141571-3	MW-1CD	Total/NA	Water	8260C	
480-141571-4	OW-28B	Total/NA	Water	8260C	
480-141571-5	OW-15A	Total/NA	Water	8260C	
480-141571-6	MW-5CD	Total/NA	Water	8260C	
480-141571-8	OW-9A	Total/NA	Water	8260C	
480-141571-9	OW-27B	Total/NA	Water	8260C	
480-141571-10	MW-1C	Total/NA	Water	8260C	
480-141571-11	MW-1B	Total/NA	Water	8260C	
480-141571-13	OW-29B	Total/NA	Water	8260C	
480-141571-14	MW-4B	Total/NA	Water	8260C	
480-141571-15	OW-113B	Total/NA	Water	8260C	
480-141571-16	OW-13B	Total/NA	Water	8260C	
480-141571-17	OW-16A	Total/NA	Water	8260C	
480-141571-18	OW-26B	Total/NA	Water	8260C	
MB 480-433927/7	Method Blank	Total/NA	Water	8260C	
LCS 480-433927/5	Lab Control Sample	Total/NA	Water	8260C	
480-141571-12 MS	MW-4C	Total/NA	Water	8260C	
480-141571-12 MSD	MW-4C	Total/NA	Water	8260C	

Analysis Batch: 434118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141571-4 - DL	OW-28B	Total/NA	Water	8260C	
480-141571-7	OW-12B	Total/NA	Water	8260C	
480-141571-8 - DL	OW-9A	Total/NA	Water	8260C	
480-141571-11 - DL	MW-1B	Total/NA	Water	8260C	
480-141571-12	MW-4C	Total/NA	Water	8260C	
480-141571-15 - DL	OW-113B	Total/NA	Water	8260C	
480-141571-16 - DL	OW-13B	Total/NA	Water	8260C	
480-141571-20	MW-5C	Total/NA	Water	8260C	
480-141571-21	MW-5A	Total/NA	Water	8260C	
MB 480-434118/7	Method Blank	Total/NA	Water	8260C	
LCS 480-434118/5	Lab Control Sample	Total/NA	Water	8260C	
480-141571-4 MS	OW-28B	Total/NA	Water	8260C	
480-141571-4 MSD	OW-28B	Total/NA	Water	8260C	

Analysis Batch: 434538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141571-19	OW-30B	Total/NA	Water	8260C	
MB 480-434538/8	Method Blank	Total/NA	Water	8260C	
LCS 480-434538/6	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: TB-01 (TRIP BLANK)

Lab Sample ID: 480-141571-1

Date Collected: 09/11/18 00:00
Matrix: Water
Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	433927	09/12/18 10:28	NMC	TAL BUF

Client Sample ID: OW-12A

Lab Sample ID: 480-141571-2

Date Collected: 09/11/18 15:26
Matrix: Water
Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	433927	09/12/18 10:51	NMC	TAL BUF

Client Sample ID: MW-1CD

Lab Sample ID: 480-141571-3

Date Collected: 09/11/18 15:48
Matrix: Water
Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		800	433927	09/12/18 11:14	NMC	TAL BUF

Client Sample ID: OW-28B

Lab Sample ID: 480-141571-4

Date Collected: 09/11/18 14:34
Matrix: Water
Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	433927	09/12/18 11:37	NMC	TAL BUF
Total/NA	Analysis	8260C	DL	100	434118	09/13/18 00:42	AMM	TAL BUF

Client Sample ID: OW-15A

Lab Sample ID: 480-141571-5

Date Collected: 09/11/18 14:26
Matrix: Water
Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	433927	09/12/18 12:01	NMC	TAL BUF

Client Sample ID: MW-5CD

Lab Sample ID: 480-141571-6

Date Collected: 09/11/18 11:18
Matrix: Water
Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	433927	09/12/18 12:24	NMC	TAL BUF

Client Sample ID: OW-12B — **Lab Sample ID: 480-141571-7**
Date Collected: 09/11/18 11:25 — **Matrix: Water**
Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	434118	09/13/18 01:05	AMM	TAL BUF

Client Sample ID: OW-9A — **Lab Sample ID: 480-141571-8**
Date Collected: 09/11/18 11:35 — **Matrix: Water**
Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	433927	09/12/18 13:10	NMC	TAL BUF
Total/NA	Analysis	8260C	DL	100	434118	09/13/18 01:28	AMM	TAL BUF

Client Sample ID: OW-27B — **Lab Sample ID: 480-141571-9**
Date Collected: 09/11/18 11:45 — **Matrix: Water**
Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	433927	09/12/18 13:33	NMC	TAL BUF

Client Sample ID: MW-1C — **Lab Sample ID: 480-141571-10**
Date Collected: 09/11/18 16:08 — **Matrix: Water**
Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	433927	09/12/18 13:57	NMC	TAL BUF

Client Sample ID: MW-1B — **Lab Sample ID: 480-141571-11**
Date Collected: 09/11/18 15:58 — **Matrix: Water**
Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	433927	09/12/18 14:20	NMC	TAL BUF
Total/NA	Analysis	8260C	DL	2000	434118	09/13/18 01:51	AMM	TAL BUF

Client Sample ID: MW-4C — **Lab Sample ID: 480-141571-12**
Date Collected: 09/11/18 14:25 — **Matrix: Water**
Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		400	434118	09/13/18 02:14	AMM	TAL BUF

Client Sample ID: OW-29B

Lab Sample ID: 480-141571-13

Date Collected: 09/11/18 14:20

Matrix: Water

Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	433927	09/12/18 15:06	NMC	TAL BUF

Client Sample ID: MW-4B

Lab Sample ID: 480-141571-14

Date Collected: 09/11/18 13:55

Matrix: Water

Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	433927	09/12/18 15:29	NMC	TAL BUF

Client Sample ID: OW-113B

Lab Sample ID: 480-141571-15

Date Collected: 09/11/18 11:00

Matrix: Water

Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		80	433927	09/12/18 15:53	NMC	TAL BUF
Total/NA	Analysis	8260C	DL	400	434118	09/13/18 02:38	AMM	TAL BUF

Client Sample ID: OW-13B

Lab Sample ID: 480-141571-16

Date Collected: 09/11/18 12:00

Matrix: Water

Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		80	433927	09/12/18 16:16	NMC	TAL BUF
Total/NA	Analysis	8260C	DL	200	434118	09/13/18 03:01	AMM	TAL BUF

Client Sample ID: OW-16A

Lab Sample ID: 480-141571-17

Date Collected: 09/11/18 11:52

Matrix: Water

Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	433927	09/12/18 16:39	NMC	TAL BUF

Client Sample ID: OW-26B

Lab Sample ID: 480-141571-18

Date Collected: 09/11/18 10:45

Matrix: Water

Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	433927	09/12/18 17:02	NMC	TAL BUF

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Client Sample ID: OW-30B

Lab Sample ID: 480-141571-19

Date Collected: 09/11/18 10:57
Matrix: Water
Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	434538	09/15/18 00:06	AMM	TAL BUF

Client Sample ID: MW-5C

Lab Sample ID: 480-141571-20

Date Collected: 09/11/18 11:05
Matrix: Water
Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	434118	09/13/18 03:47	AMM	TAL BUF

Client Sample ID: MW-5A

Lab Sample ID: 480-141571-21

Date Collected: 09/11/18 11:11
Matrix: Water
Date Received: 09/11/18 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	434118	09/13/18 04:10	AMM	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-19

Method Summary

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141571-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-141571-1	TB-01 (TRIP BLANK)	Water	09/11/18 00:00	09/11/18 18:30
480-141571-2	OW-12A	Water	09/11/18 15:26	09/11/18 18:30
480-141571-3	MW-1CD	Water	09/11/18 15:48	09/11/18 18:30
480-141571-4	OW-28B	Water	09/11/18 14:34	09/11/18 18:30
480-141571-5	OW-15A	Water	09/11/18 14:26	09/11/18 18:30
480-141571-6	MW-5CD	Water	09/11/18 11:18	09/11/18 18:30
480-141571-7	OW-12B	Water	09/11/18 11:25	09/11/18 18:30
480-141571-8	OW-9A	Water	09/11/18 11:35	09/11/18 18:30
480-141571-9	OW-27B	Water	09/11/18 11:45	09/11/18 18:30
480-141571-10	MW-1C	Water	09/11/18 16:08	09/11/18 18:30
480-141571-11	MW-1B	Water	09/11/18 15:58	09/11/18 18:30
480-141571-12	MW-4C	Water	09/11/18 14:25	09/11/18 18:30
480-141571-13	OW-29B	Water	09/11/18 14:20	09/11/18 18:30
480-141571-14	MW-4B	Water	09/11/18 13:55	09/11/18 18:30
480-141571-15	OW-113B	Water	09/11/18 11:00	09/11/18 18:30
480-141571-16	OW-13B	Water	09/11/18 12:00	09/11/18 18:30
480-141571-17	OW-16A	Water	09/11/18 11:52	09/11/18 18:30
480-141571-18	OW-26B	Water	09/11/18 10:45	09/11/18 18:30
480-141571-19	OW-30B	Water	09/11/18 10:57	09/11/18 18:30
480-141571-20	MW-5C	Water	09/11/18 11:05	09/11/18 18:30
480-141571-21	MW-5A	Water	09/11/18 11:11	09/11/18 18:30

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Lauren Hopp	Lab PM: Deyo, Melissa L	Carrier Tracking No(s): Delivered To LAB	COC No: 480-117569-25500.1
Client Contact: Harrison Corbett / Project Manager MIKE PLUMB	Phone: ~~508~~ 617-429-9790	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 2
Company: TRC Solutions, Inc.				Job #:
Address: Wannalancit Mills 650 Suffolk Street Suite 200	Due Date Requested:	Analysis Requested		
City: Lowell	TAT Requested (days): Standard Unpreserved 7-Day Holding Time			
State, Zip: MA, 01854				
Phone: ~~978-656(Tel)~~ 978-970-5600	PO #: 126842			
Email: MPlumb@trcsolutions.com ~~HCorbett@trcsolutions.com~~	WO #: SEQ#1			
Project Name: Solvent Chemical Semi-annual Monitoring	Project #: 48002700			
Site:	SSOW#:			

480-141571 COC

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - Extended List Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
TB-01 (Trip-Blank)	08/28/18		LAB PREP	Water	N	N	X	1	
OW-12A	09/11/18	1526	G	Water	N	N	X	3	
MW-1CD	09/11/18	1548	G	Water	N	N	X	3	
OW-28B	09/11/18	1434	G	Water	N	N	X	3	
OW-15A	09/11/18	1426	G	Water	N	N	X	3	
MW-5CD	09/11/18	1118	G	Water	N	N	X	3	
OW-12B	09/11/18	1125	G	Water	N	N	X	3	
OW-9A	09/11/18	1135	G	Water	N	N	X	3	
OW-27B	09/11/18	1145	G	Water	N	N	X	3	
MW-1C	09/11/18	1608	G	Water	N	N	X	3	
MW-1B	09/11/18	1558	G	Water	N	N	X	3	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Lauren W Hopp	09/11/18 1827	TRC		9/11/18 1827	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		6.6 #1

Ver: 08/04/2016

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Lauren Hopp	Lab PM: Deyo, Melissa L	Carrier Tracking No(s): Delivered To LAB	COC No: 480-117569-25500.2
Client Contact: Harrison Corbett / Project Manager MIKE PLUMB	Phone: 617-429-9790	E-Mail: melissa.deyo@testamericainc.com		Page: Page 2 of 3
Company: TRC Solutions, Inc.				Job #:
Address: Wannalancit Mills 650 Suffolk Street Suite 200	Due Date Requested:			
City: Lowell	TAT Requested (days): standard unpreserved 7-Day Holding Time			
State, Zip: MA, 01854				
Phone: ~~978-650(Tel)~~ 978-970-5600	PO #: 126842			
Email: Mplumb@trcsolutions.com ~~HCorbett@trcsolutions.com~~	WO #: SEQ#1			
Project Name: Solvent Chemical Semi-annual Monitoring	Project #: 48002700			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - Extended List Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
MW-4C	09/11/18	1425	G	Water	N	Y	X	9	MS/MSD
OW-29B	09/11/18	1420	G	Water	N	N	X	3	
MW-4B	09/11/18	1355	G	Water	N	N	X	3	
OW-113B	09/11/18	1100	G	Water	N	N	X	3	
OW-13B	09/11/18	1200	G	Water	N	N	X	3	
OW-16A	09/11/18	1152	G	Water	N	N	X	3	
OW-26B	09/11/18	1045	G	Water	N	N	X	3	
OW-30B	09/11/18	1057	G	Water	N	N	X	3	
MW-5C	09/11/18	1105	G	Water	N	N	X	3	
MW-5A	09/11/18	1111	G	Water	N	N	X	3	
				Water					

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Lauren Hopp	09/11/18 1827	TRC		9/12/18 1830	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 6.6 #1

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 480-141571-1

Login Number: 141571

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	trc
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-141622-1
Client Project/Site: Solvent Chemical Semi-annual Monitoring

For:
TRC Environmental Corporation
Wannalancit Mills
650 Suffolk Street
Lowell, Massachusetts 01854

Attn: Mr. Mike Plumb

Authorized for release by:
9/25/2018 12:21:20 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-141622-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-141622-1

Receipt
The samples were received on 9/12/2018 3:12 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-434138 recovered above the upper control limit for Vinyl acetate, Chlorobromomethane and 2,2-Dichloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: TB-03 (480-141622-1), OW-8B (480-141622-2), OW-115B (480-141622-3), OW-5B (480-141622-4), OW-22A (480-141622-5), OW-22B (480-141622-6), OW-15B (480-141622-7), OW-14B (480-141622-8), OW-6B (480-141622-9) and OW-7B (480-141622-10).

Method(s) 8260C: The following sample were diluted to bring the concentration of target analytes within the calibration range: OW-8B (480-141622-2), OW-115B (480-141622-3), OW-5B (480-141622-4), OW-22B (480-141622-6), OW-22B (480-141622-6[MS]), OW-22B (480-141622-6[MSD]), OW-15B (480-141622-7), OW-14B (480-141622-8) and OW-6B (480-141622-9). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OW-5B (480-141622-4), OW-15B (480-141622-7) and OW-6B (480-141622-9). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-434148 recovered outside acceptance criteria, low biased, for 1,2,3-Trichlorobenzene, Carbon disulfide and Hexachlorobutadiene. A reporting limit (RL) standard were analyzed, and the target analytes were detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: OW-5B (480-141622-4), OW-15B (480-141622-7) and OW-6B (480-141622-9).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

Client Sample ID: TB-03 — Lab Sample ID: 480-141622-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.43	J	1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: OW-8B — Lab Sample ID: 480-141622-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.7		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	2.0		2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	38		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	2.0		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	91		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: OW-115B — Lab Sample ID: 480-141622-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	460		80	17	ug/L	80		8260C	Total/NA
1,1-Dichloroethene	23	J	80	23	ug/L	80		8260C	Total/NA
1,2,4-Trichlorobenzene	69	J	80	33	ug/L	80		8260C	Total/NA
1,2-Dichlorobenzene	130		80	63	ug/L	80		8260C	Total/NA
1,3-Dichlorobenzene	150		80	62	ug/L	80		8260C	Total/NA
1,4-Dichlorobenzene	170		80	67	ug/L	80		8260C	Total/NA
Benzene	64	J	80	33	ug/L	80		8260C	Total/NA
Chlorobenzene	190		80	60	ug/L	80		8260C	Total/NA
cis-1,2-Dichloroethene	2400		80	65	ug/L	80		8260C	Total/NA
Tetrachloroethene	3100		80	29	ug/L	80		8260C	Total/NA
trans-1,2-Dichloroethene	89		80	72	ug/L	80		8260C	Total/NA
Trichloroethene	7400		80	37	ug/L	80		8260C	Total/NA
Vinyl chloride	160		80	72	ug/L	80		8260C	Total/NA

Client Sample ID: OW-5B — Lab Sample ID: 480-141622-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	490		80	17	ug/L	80		8260C	Total/NA
1,2,4-Trichlorobenzene	68	J	80	33	ug/L	80		8260C	Total/NA
1,2-Dichlorobenzene	140		80	63	ug/L	80		8260C	Total/NA
1,3-Dichlorobenzene	140		80	62	ug/L	80		8260C	Total/NA
1,4-Dichlorobenzene	180		80	67	ug/L	80		8260C	Total/NA
Benzene	71	J	80	33	ug/L	80		8260C	Total/NA
Chlorobenzene	200		80	60	ug/L	80		8260C	Total/NA
cis-1,2-Dichloroethene	2700		80	65	ug/L	80		8260C	Total/NA
Tetrachloroethene	3400		80	29	ug/L	80		8260C	Total/NA
trans-1,2-Dichloroethene	96		80	72	ug/L	80		8260C	Total/NA
Trichloroethene	8200	E	80	37	ug/L	80		8260C	Total/NA
Vinyl chloride	180		80	72	ug/L	80		8260C	Total/NA
1,1,2,2-Tetrachloroethane - DL	520		130	26	ug/L	125		8260C	Total/NA
1,1-Dichloroethene - DL	42	J	130	36	ug/L	125		8260C	Total/NA
1,2,4-Trichlorobenzene - DL	65	J	130	51	ug/L	125		8260C	Total/NA
1,2-Dichlorobenzene - DL	140		130	99	ug/L	125		8260C	Total/NA
1,3-Dichlorobenzene - DL	130		130	98	ug/L	125		8260C	Total/NA
1,4-Dichlorobenzene - DL	190		130	110	ug/L	125		8260C	Total/NA
Benzene - DL	81	J	130	51	ug/L	125		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OW-5B (Continued) — Lab Sample ID: 480-141622-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene - DL	220		130	94	ug/L	125		8260C	Total/NA
cis-1,2-Dichloroethene - DL	2700		130	100	ug/L	125		8260C	Total/NA
Tetrachloroethene - DL	3700		130	45	ug/L	125		8260C	Total/NA
Trichloroethene - DL	8900		130	58	ug/L	125		8260C	Total/NA
Vinyl chloride - DL	230		130	110	ug/L	125		8260C	Total/NA

Client Sample ID: OW-22A — Lab Sample ID: 480-141622-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.42	J	1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: OW-22B — Lab Sample ID: 480-141622-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	120		20	4.2	ug/L	20		8260C	Total/NA
1,2,3-Trichlorobenzene	8.4	J	20	8.2	ug/L	20		8260C	Total/NA
1,2,4-Trichlorobenzene	22		20	8.2	ug/L	20		8260C	Total/NA
1,3-Dichlorobenzene	34		20	16	ug/L	20		8260C	Total/NA
1,4-Dichlorobenzene	33		20	17	ug/L	20		8260C	Total/NA
Chlorobenzene	23		20	15	ug/L	20		8260C	Total/NA
Chloroform	16	J	20	6.8	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene	840		20	16	ug/L	20		8260C	Total/NA
Tetrachloroethene	600		20	7.2	ug/L	20		8260C	Total/NA
trans-1,2-Dichloroethene	20		20	18	ug/L	20		8260C	Total/NA
Trichloroethene	1600	F1	20	9.2	ug/L	20		8260C	Total/NA

Client Sample ID: OW-15B — Lab Sample ID: 480-141622-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	540		50	11	ug/L	50		8260C	Total/NA
1,1,2-Trichloroethane	17	J	50	12	ug/L	50		8260C	Total/NA
1,1-Dichloroethene	25	J	50	15	ug/L	50		8260C	Total/NA
1,2,3-Trichlorobenzene	31	J	50	21	ug/L	50		8260C	Total/NA
1,2,4-Trichlorobenzene	89		50	21	ug/L	50		8260C	Total/NA
1,2-Dichlorobenzene	220		50	40	ug/L	50		8260C	Total/NA
1,3-Dichlorobenzene	170		50	39	ug/L	50		8260C	Total/NA
1,4-Dichlorobenzene	250		50	42	ug/L	50		8260C	Total/NA
Benzene	71		50	21	ug/L	50		8260C	Total/NA
Chlorobenzene	310		50	38	ug/L	50		8260C	Total/NA
Chloroform	160		50	17	ug/L	50		8260C	Total/NA
cis-1,2-Dichloroethene	2900		50	41	ug/L	50		8260C	Total/NA
Tetrachloroethene	2200		50	18	ug/L	50		8260C	Total/NA
trans-1,2-Dichloroethene	52		50	45	ug/L	50		8260C	Total/NA
Trichloroethene	6800	E	50	23	ug/L	50		8260C	Total/NA
Vinyl chloride	320		50	45	ug/L	50		8260C	Total/NA
1,1,2,2-Tetrachloroethane - DL	580		100	21	ug/L	100		8260C	Total/NA
1,2,4-Trichlorobenzene - DL	74	J	100	41	ug/L	100		8260C	Total/NA
1,2-Dichlorobenzene - DL	230		100	79	ug/L	100		8260C	Total/NA
1,3-Dichlorobenzene - DL	180		100	78	ug/L	100		8260C	Total/NA
1,4-Dichlorobenzene - DL	250		100	84	ug/L	100		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OW-15B (Continued) — Lab Sample ID: 480-141622-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene - DL	76	J	100	41	ug/L	100		8260C	Total/NA
Chlorobenzene - DL	320		100	75	ug/L	100		8260C	Total/NA
Chloroform - DL	200		100	34	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene - DL	3100		100	81	ug/L	100		8260C	Total/NA
Tetrachloroethene - DL	2300		100	36	ug/L	100		8260C	Total/NA
Trichloroethene - DL	7500		100	46	ug/L	100		8260C	Total/NA
Vinyl chloride - DL	320		100	90	ug/L	100		8260C	Total/NA

Client Sample ID: OW-14B — Lab Sample ID: 480-141622-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	58	J	100	41	ug/L	100		8260C	Total/NA
1,2,4-Trichlorobenzene	260		100	41	ug/L	100		8260C	Total/NA
1,2-Dichlorobenzene	3400		100	79	ug/L	100		8260C	Total/NA
1,3-Dichlorobenzene	1800		100	78	ug/L	100		8260C	Total/NA
1,4-Dichlorobenzene	6100		100	84	ug/L	100		8260C	Total/NA
Chlorobenzene	2100		100	75	ug/L	100		8260C	Total/NA

Client Sample ID: OW-6B — Lab Sample ID: 480-141622-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	150		50	11	ug/L	50		8260C	Total/NA
1,1-Dichloroethene	23	J	50	15	ug/L	50		8260C	Total/NA
1,2,3-Trichlorobenzene	28	J	50	21	ug/L	50		8260C	Total/NA
1,2,4-Trichlorobenzene	1100		50	21	ug/L	50		8260C	Total/NA
1,2-Dichlorobenzene	790		50	40	ug/L	50		8260C	Total/NA
1,3-Dichlorobenzene	400		50	39	ug/L	50		8260C	Total/NA
1,4-Dichlorobenzene	820		50	42	ug/L	50		8260C	Total/NA
Benzene	110		50	21	ug/L	50		8260C	Total/NA
Chlorobenzene	660		50	38	ug/L	50		8260C	Total/NA
cis-1,2-Dichloroethene	5400	E	50	41	ug/L	50		8260C	Total/NA
Tetrachloroethene	660		50	18	ug/L	50		8260C	Total/NA
trans-1,2-Dichloroethene	130		50	45	ug/L	50		8260C	Total/NA
Trichloroethene	1800		50	23	ug/L	50		8260C	Total/NA
Vinyl chloride	760		50	45	ug/L	50		8260C	Total/NA
1,1,2,2-Tetrachloroethane - DL	180		100	21	ug/L	100		8260C	Total/NA
1,1-Dichloroethene - DL	38	J	100	29	ug/L	100		8260C	Total/NA
1,2,4-Trichlorobenzene - DL	1100		100	41	ug/L	100		8260C	Total/NA
1,2-Dichlorobenzene - DL	800		100	79	ug/L	100		8260C	Total/NA
1,3-Dichlorobenzene - DL	430		100	78	ug/L	100		8260C	Total/NA
1,4-Dichlorobenzene - DL	840		100	84	ug/L	100		8260C	Total/NA
Benzene - DL	110		100	41	ug/L	100		8260C	Total/NA
Chlorobenzene - DL	690		100	75	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene - DL	5400		100	81	ug/L	100		8260C	Total/NA
Tetrachloroethene - DL	700		100	36	ug/L	100		8260C	Total/NA
trans-1,2-Dichloroethene - DL	120		100	90	ug/L	100		8260C	Total/NA
Trichloroethene - DL	1900		100	46	ug/L	100		8260C	Total/NA
Vinyl chloride - DL	790		100	90	ug/L	100		8260C	Total/NA

Client Sample ID: OW-7B — Lab Sample ID: 480-141622-10

This Detection Summary does not include radiochemical test results.

Client Sample ID: OW-7B (Continued)

Lab Sample ID: 480-141622-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	6.1		1.0	0.21	ug/L	1		8260C	Total/NA
1,1,2-Trichloroethane	0.47	J	1.0	0.23	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.1		1.0	0.38	ug/L	1		8260C	Total/NA
Chloroform	1.0		1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	41		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	7.4		1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	3.6		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	23		1.0	0.46	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

Client Sample ID: TB-03
Date Collected: 09/12/18 00:00
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/13/18 02:41	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/13/18 02:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/13/18 02:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/13/18 02:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/13/18 02:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/13/18 02:41	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/13/18 02:41	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/13/18 02:41	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/13/18 02:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/13/18 02:41	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/13/18 02:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/13/18 02:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/13/18 02:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/13/18 02:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/13/18 02:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/13/18 02:41	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/13/18 02:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/13/18 02:41	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/13/18 02:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/13/18 02:41	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/13/18 02:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/13/18 02:41	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/13/18 02:41	1
2-Hexanone	ND		5.0	1.2	ug/L			09/13/18 02:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/13/18 02:41	1
Acetone	ND		10	3.0	ug/L			09/13/18 02:41	1
Benzene	ND		1.0	0.41	ug/L			09/13/18 02:41	1
Bromobenzene	ND		1.0	0.80	ug/L			09/13/18 02:41	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/13/18 02:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/13/18 02:41	1
Bromoform	ND		1.0	0.26	ug/L			09/13/18 02:41	1
Bromomethane	ND		1.0	0.69	ug/L			09/13/18 02:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/13/18 02:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/13/18 02:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/13/18 02:41	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/13/18 02:41	1
Chloroethane	ND		1.0	0.32	ug/L			09/13/18 02:41	1
Chloroform	**0.43**	**J**	1.0	0.34	ug/L			09/13/18 02:41	1
Chloromethane	ND		1.0	0.35	ug/L			09/13/18 02:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/13/18 02:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/13/18 02:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/13/18 02:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/13/18 02:41	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			09/13/18 02:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/13/18 02:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/13/18 02:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/13/18 02:41	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/13/18 02:41	1
Naphthalene	ND		1.0	0.43	ug/L			09/13/18 02:41	1

Client Sample ID: TB-03 — **Lab Sample ID: 480-141622-1**
Date Collected: 09/12/18 00:00 — **Matrix: Water**
Date Received: 09/12/18 15:12

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.0	0.64	ug/L			09/13/18 02:41	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/13/18 02:41	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/13/18 02:41	1
o-Xylene	ND		1.0	0.76	ug/L			09/13/18 02:41	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/13/18 02:41	1
p-Cymene	ND		1.0	0.31	ug/L			09/13/18 02:41	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/13/18 02:41	1
Styrene	ND		1.0	0.73	ug/L			09/13/18 02:41	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/13/18 02:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/13/18 02:41	1
Toluene	ND		1.0	0.51	ug/L			09/13/18 02:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/13/18 02:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/13/18 02:41	1
Trichloroethene	ND		1.0	0.46	ug/L			09/13/18 02:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/13/18 02:41	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/13/18 02:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/13/18 02:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/13/18 02:41*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/13/18 02:41*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*09/13/18 02:41*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/13/18 02:41*	*1*

Client Sample ID: OW-8B — **Lab Sample ID: 480-141622-2**
Date Collected: 09/12/18 13:30 — **Matrix: Water**
Date Received: 09/12/18 15:12

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.70	ug/L			09/13/18 03:09	2
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			09/13/18 03:09	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			09/13/18 03:09	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			09/13/18 03:09	2
1,1-Dichloroethane	**2.7**		2.0	0.76	ug/L			09/13/18 03:09	2
1,1-Dichloroethene	**2.0**		2.0	0.58	ug/L			09/13/18 03:09	2
1,1-Dichloropropene	ND		2.0	1.4	ug/L			09/13/18 03:09	2
1,2,3-Trichlorobenzene	ND		2.0	0.82	ug/L			09/13/18 03:09	2
1,2,3-Trichloropropane	ND		2.0	1.8	ug/L			09/13/18 03:09	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			09/13/18 03:09	2
1,2,4-Trimethylbenzene	ND		2.0	1.5	ug/L			09/13/18 03:09	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			09/13/18 03:09	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			09/13/18 03:09	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			09/13/18 03:09	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			09/13/18 03:09	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			09/13/18 03:09	2
1,3,5-Trimethylbenzene	ND		2.0	1.5	ug/L			09/13/18 03:09	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			09/13/18 03:09	2
1,3-Dichloropropane	ND		2.0	1.5	ug/L			09/13/18 03:09	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			09/13/18 03:09	2

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

Client Sample ID: OW-8B
Date Collected: 09/12/18 13:30
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		2.0	0.80	ug/L			09/13/18 03:09	2
2-Butanone (MEK)	ND		20	2.6	ug/L			09/13/18 03:09	2
2-Chloroethyl vinyl ether	ND		10	1.9	ug/L			09/13/18 03:09	2
2-Hexanone	ND		10	2.5	ug/L			09/13/18 03:09	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			09/13/18 03:09	2
Acetone	ND		20	6.0	ug/L			09/13/18 03:09	2
Benzene	ND		2.0	0.82	ug/L			09/13/18 03:09	2
Bromobenzene	ND		2.0	1.6	ug/L			09/13/18 03:09	2
Bromochloromethane	ND		2.0	1.7	ug/L			09/13/18 03:09	2
Bromodichloromethane	ND		2.0	0.78	ug/L			09/13/18 03:09	2
Bromoform	ND		2.0	0.52	ug/L			09/13/18 03:09	2
Bromomethane	ND		2.0	1.4	ug/L			09/13/18 03:09	2
Carbon disulfide	ND		2.0	0.38	ug/L			09/13/18 03:09	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			09/13/18 03:09	2
Chlorobenzene	ND		2.0	1.5	ug/L			09/13/18 03:09	2
Chlorodibromomethane	ND		2.0	0.64	ug/L			09/13/18 03:09	2
Chloroethane	ND		2.0	0.64	ug/L			09/13/18 03:09	2
Chloroform	ND		2.0	0.68	ug/L			09/13/18 03:09	2
Chloromethane	ND		2.0	0.70	ug/L			09/13/18 03:09	2
cis-1,2-Dichloroethene	**38**		2.0	1.6	ug/L			09/13/18 03:09	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			09/13/18 03:09	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			09/13/18 03:09	2
Ethylbenzene	ND		2.0	1.5	ug/L			09/13/18 03:09	2
Hexachlorobutadiene	ND		2.0	0.56	ug/L			09/13/18 03:09	2
Isopropylbenzene	ND		2.0	1.6	ug/L			09/13/18 03:09	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			09/13/18 03:09	2
Methylene Chloride	ND		2.0	0.88	ug/L			09/13/18 03:09	2
m-Xylene & p-Xylene	ND		4.0	1.3	ug/L			09/13/18 03:09	2
Naphthalene	ND		2.0	0.86	ug/L			09/13/18 03:09	2
n-Butylbenzene	ND		2.0	1.3	ug/L			09/13/18 03:09	2
N-Propylbenzene	ND		2.0	1.4	ug/L			09/13/18 03:09	2
o-Chlorotoluene	ND		2.0	1.7	ug/L			09/13/18 03:09	2
o-Xylene	ND		2.0	1.5	ug/L			09/13/18 03:09	2
p-Chlorotoluene	ND		2.0	1.7	ug/L			09/13/18 03:09	2
p-Cymene	ND		2.0	0.62	ug/L			09/13/18 03:09	2
sec-Butylbenzene	ND		2.0	1.5	ug/L			09/13/18 03:09	2
Styrene	ND		2.0	1.5	ug/L			09/13/18 03:09	2
tert-Butylbenzene	ND		2.0	1.6	ug/L			09/13/18 03:09	2
Tetrachloroethene	ND		2.0	0.72	ug/L			09/13/18 03:09	2
Toluene	ND		2.0	1.0	ug/L			09/13/18 03:09	2
trans-1,2-Dichloroethene	**2.0**		2.0	1.8	ug/L			09/13/18 03:09	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			09/13/18 03:09	2
Trichloroethene	**91**		2.0	0.92	ug/L			09/13/18 03:09	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			09/13/18 03:09	2
Vinyl acetate	ND		10	1.7	ug/L			09/13/18 03:09	2
Vinyl chloride	ND		2.0	1.8	ug/L			09/13/18 03:09	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/13/18 03:09*	*2*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/13/18 03:09*	*2*

Client Sample ID: OW-8B
Date Collected: 09/12/18 13:30
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/13/18 03:09*	*2*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/13/18 03:09*	*2*

Client Sample ID: OW-115B
Date Collected: 09/12/18 10:11
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		80	28	ug/L			09/13/18 03:37	80
1,1,1-Trichloroethane	ND		80	66	ug/L			09/13/18 03:37	80
1,1,2,2-Tetrachloroethane	**460**		80	17	ug/L			09/13/18 03:37	80
1,1,2-Trichloroethane	ND		80	18	ug/L			09/13/18 03:37	80
1,1-Dichloroethane	ND		80	30	ug/L			09/13/18 03:37	80
1,1-Dichloroethene	**23**	**J**	80	23	ug/L			09/13/18 03:37	80
1,1-Dichloropropene	ND		80	58	ug/L			09/13/18 03:37	80
1,2,3-Trichlorobenzene	ND		80	33	ug/L			09/13/18 03:37	80
1,2,3-Trichloropropane	ND		80	71	ug/L			09/13/18 03:37	80
1,2,4-Trichlorobenzene	**69**	**J**	80	33	ug/L			09/13/18 03:37	80
1,2,4-Trimethylbenzene	ND		80	60	ug/L			09/13/18 03:37	80
1,2-Dibromo-3-Chloropropane	ND		80	31	ug/L			09/13/18 03:37	80
1,2-Dibromoethane	ND		80	58	ug/L			09/13/18 03:37	80
1,2-Dichlorobenzene	**130**		80	63	ug/L			09/13/18 03:37	80
1,2-Dichloroethane	ND		80	17	ug/L			09/13/18 03:37	80
1,2-Dichloropropane	ND		80	58	ug/L			09/13/18 03:37	80
1,3,5-Trimethylbenzene	ND		80	62	ug/L			09/13/18 03:37	80
1,3-Dichlorobenzene	**150**		80	62	ug/L			09/13/18 03:37	80
1,3-Dichloropropane	ND		80	60	ug/L			09/13/18 03:37	80
1,4-Dichlorobenzene	**170**		80	67	ug/L			09/13/18 03:37	80
2,2-Dichloropropane	ND		80	32	ug/L			09/13/18 03:37	80
2-Butanone (MEK)	ND		800	110	ug/L			09/13/18 03:37	80
2-Chloroethyl vinyl ether	ND		400	77	ug/L			09/13/18 03:37	80
2-Hexanone	ND		400	99	ug/L			09/13/18 03:37	80
4-Methyl-2-pentanone (MIBK)	ND		400	170	ug/L			09/13/18 03:37	80
Acetone	ND		800	240	ug/L			09/13/18 03:37	80
Benzene	**64**	**J**	80	33	ug/L			09/13/18 03:37	80
Bromobenzene	ND		80	64	ug/L			09/13/18 03:37	80
Bromochloromethane	ND		80	70	ug/L			09/13/18 03:37	80
Bromodichloromethane	ND		80	31	ug/L			09/13/18 03:37	80
Bromoform	ND		80	21	ug/L			09/13/18 03:37	80
Bromomethane	ND		80	55	ug/L			09/13/18 03:37	80
Carbon disulfide	ND		80	15	ug/L			09/13/18 03:37	80
Carbon tetrachloride	ND		80	22	ug/L			09/13/18 03:37	80
Chlorobenzene	**190**		80	60	ug/L			09/13/18 03:37	80
Chlorodibromomethane	ND		80	26	ug/L			09/13/18 03:37	80
Chloroethane	ND		80	26	ug/L			09/13/18 03:37	80
Chloroform	ND		80	27	ug/L			09/13/18 03:37	80
Chloromethane	ND		80	28	ug/L			09/13/18 03:37	80
cis-1,2-Dichloroethene	**2400**		80	65	ug/L			09/13/18 03:37	80

Client Sample ID: OW-115B
Date Collected: 09/12/18 10:11
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		80	29	ug/L			09/13/18 03:37	80
Dichlorodifluoromethane	ND		80	54	ug/L			09/13/18 03:37	80
Ethylbenzene	ND		80	59	ug/L			09/13/18 03:37	80
Hexachlorobutadiene	ND		80	22	ug/L			09/13/18 03:37	80
Isopropylbenzene	ND		80	63	ug/L			09/13/18 03:37	80
Methyl tert-butyl ether	ND		80	13	ug/L			09/13/18 03:37	80
Methylene Chloride	ND		80	35	ug/L			09/13/18 03:37	80
m-Xylene & p-Xylene	ND		160	53	ug/L			09/13/18 03:37	80
Naphthalene	ND		80	34	ug/L			09/13/18 03:37	80
n-Butylbenzene	ND		80	51	ug/L			09/13/18 03:37	80
N-Propylbenzene	ND		80	55	ug/L			09/13/18 03:37	80
o-Chlorotoluene	ND		80	69	ug/L			09/13/18 03:37	80
o-Xylene	ND		80	61	ug/L			09/13/18 03:37	80
p-Chlorotoluene	ND		80	67	ug/L			09/13/18 03:37	80
p-Cymene	ND		80	25	ug/L			09/13/18 03:37	80
sec-Butylbenzene	ND		80	60	ug/L			09/13/18 03:37	80
Styrene	ND		80	58	ug/L			09/13/18 03:37	80
tert-Butylbenzene	ND		80	65	ug/L			09/13/18 03:37	80
Tetrachloroethene	**3100**		80	29	ug/L			09/13/18 03:37	80
Toluene	ND		80	41	ug/L			09/13/18 03:37	80
trans-1,2-Dichloroethene	**89**		80	72	ug/L			09/13/18 03:37	80
trans-1,3-Dichloropropene	ND		80	30	ug/L			09/13/18 03:37	80
Trichloroethene	**7400**		80	37	ug/L			09/13/18 03:37	80
Trichlorofluoromethane	ND		80	70	ug/L			09/13/18 03:37	80
Vinyl acetate	ND		400	68	ug/L			09/13/18 03:37	80
Vinyl chloride	**160**		80	72	ug/L			09/13/18 03:37	80

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/13/18 03:37*	*80*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*09/13/18 03:37*	*80*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/13/18 03:37*	*80*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/13/18 03:37*	*80*

Client Sample ID: OW-5B
Date Collected: 09/12/18 11:11
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		80	28	ug/L			09/13/18 04:05	80
1,1,1-Trichloroethane	ND		80	66	ug/L			09/13/18 04:05	80
1,1,2,2-Tetrachloroethane	**490**		80	17	ug/L			09/13/18 04:05	80
1,1,2-Trichloroethane	ND		80	18	ug/L			09/13/18 04:05	80
1,1-Dichloroethane	ND		80	30	ug/L			09/13/18 04:05	80
1,1-Dichloroethene	ND		80	23	ug/L			09/13/18 04:05	80
1,1-Dichloropropene	ND		80	58	ug/L			09/13/18 04:05	80
1,2,3-Trichlorobenzene	ND		80	33	ug/L			09/13/18 04:05	80
1,2,3-Trichloropropane	ND		80	71	ug/L			09/13/18 04:05	80
1,2,4-Trichlorobenzene	**68**	**J**	80	33	ug/L			09/13/18 04:05	80
1,2,4-Trimethylbenzene	ND		80	60	ug/L			09/13/18 04:05	80

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

Client Sample ID: OW-5B
Date Collected: 09/12/18 11:11
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		80	31	ug/L			09/13/18 04:05	80
1,2-Dibromoethane	ND		80	58	ug/L			09/13/18 04:05	80
1,2-Dichlorobenzene	**140**		80	63	ug/L			09/13/18 04:05	80
1,2-Dichloroethane	ND		80	17	ug/L			09/13/18 04:05	80
1,2-Dichloropropane	ND		80	58	ug/L			09/13/18 04:05	80
1,3,5-Trimethylbenzene	ND		80	62	ug/L			09/13/18 04:05	80
1,3-Dichlorobenzene	**140**		80	62	ug/L			09/13/18 04:05	80
1,3-Dichloropropane	ND		80	60	ug/L			09/13/18 04:05	80
1,4-Dichlorobenzene	**180**		80	67	ug/L			09/13/18 04:05	80
2,2-Dichloropropane	ND		80	32	ug/L			09/13/18 04:05	80
2-Butanone (MEK)	ND		800	110	ug/L			09/13/18 04:05	80
2-Chloroethyl vinyl ether	ND		400	77	ug/L			09/13/18 04:05	80
2-Hexanone	ND		400	99	ug/L			09/13/18 04:05	80
4-Methyl-2-pentanone (MIBK)	ND		400	170	ug/L			09/13/18 04:05	80
Acetone	ND		800	240	ug/L			09/13/18 04:05	80
Benzene	**71**	**J**	80	33	ug/L			09/13/18 04:05	80
Bromobenzene	ND		80	64	ug/L			09/13/18 04:05	80
Bromochloromethane	ND		80	70	ug/L			09/13/18 04:05	80
Bromodichloromethane	ND		80	31	ug/L			09/13/18 04:05	80
Bromoform	ND		80	21	ug/L			09/13/18 04:05	80
Bromomethane	ND		80	55	ug/L			09/13/18 04:05	80
Carbon disulfide	ND		80	15	ug/L			09/13/18 04:05	80
Carbon tetrachloride	ND		80	22	ug/L			09/13/18 04:05	80
Chlorobenzene	**200**		80	60	ug/L			09/13/18 04:05	80
Chlorodibromomethane	ND		80	26	ug/L			09/13/18 04:05	80
Chloroethane	ND		80	26	ug/L			09/13/18 04:05	80
Chloroform	ND		80	27	ug/L			09/13/18 04:05	80
Chloromethane	ND		80	28	ug/L			09/13/18 04:05	80
cis-1,2-Dichloroethene	**2700**		80	65	ug/L			09/13/18 04:05	80
cis-1,3-Dichloropropene	ND		80	29	ug/L			09/13/18 04:05	80
Dichlorodifluoromethane	ND		80	54	ug/L			09/13/18 04:05	80
Ethylbenzene	ND		80	59	ug/L			09/13/18 04:05	80
Hexachlorobutadiene	ND		80	22	ug/L			09/13/18 04:05	80
Isopropylbenzene	ND		80	63	ug/L			09/13/18 04:05	80
Methyl tert-butyl ether	ND		80	13	ug/L			09/13/18 04:05	80
Methylene Chloride	ND		80	35	ug/L			09/13/18 04:05	80
m-Xylene & p-Xylene	ND		160	53	ug/L			09/13/18 04:05	80
Naphthalene	ND		80	34	ug/L			09/13/18 04:05	80
n-Butylbenzene	ND		80	51	ug/L			09/13/18 04:05	80
N-Propylbenzene	ND		80	55	ug/L			09/13/18 04:05	80
o-Chlorotoluene	ND		80	69	ug/L			09/13/18 04:05	80
o-Xylene	ND		80	61	ug/L			09/13/18 04:05	80
p-Chlorotoluene	ND		80	67	ug/L			09/13/18 04:05	80
p-Cymene	ND		80	25	ug/L			09/13/18 04:05	80
sec-Butylbenzene	ND		80	60	ug/L			09/13/18 04:05	80
Styrene	ND		80	58	ug/L			09/13/18 04:05	80
tert-Butylbenzene	ND		80	65	ug/L			09/13/18 04:05	80
Tetrachloroethene	**3400**		80	29	ug/L			09/13/18 04:05	80
Toluene	ND		80	41	ug/L			09/13/18 04:05	80

Client Sample ID: OW-5B
Date Collected: 09/12/18 11:11
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	**96**		80	72	ug/L			09/13/18 04:05	80
trans-1,3-Dichloropropene	ND		80	30	ug/L			09/13/18 04:05	80
Trichloroethene	**8200**	**E**	80	37	ug/L			09/13/18 04:05	80
Trichlorofluoromethane	ND		80	70	ug/L			09/13/18 04:05	80
Vinyl acetate	ND		400	68	ug/L			09/13/18 04:05	80
Vinyl chloride	**180**		80	72	ug/L			09/13/18 04:05	80

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/13/18 04:05*	*80*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/13/18 04:05*	*80*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/13/18 04:05*	*80*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/13/18 04:05*	*80*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		130	44	ug/L			09/13/18 11:32	125
1,1,1-Trichloroethane	ND		130	100	ug/L			09/13/18 11:32	125
1,1,2,2-Tetrachloroethane	**520**		130	26	ug/L			09/13/18 11:32	125
1,1,2-Trichloroethane	ND		130	29	ug/L			09/13/18 11:32	125
1,1-Dichloroethane	ND		130	48	ug/L			09/13/18 11:32	125
1,1-Dichloroethene	**42**	**J**	130	36	ug/L			09/13/18 11:32	125
1,1-Dichloropropene	ND		130	90	ug/L			09/13/18 11:32	125
1,2,3-Trichlorobenzene	ND		130	51	ug/L			09/13/18 11:32	125
1,2,3-Trichloropropane	ND		130	110	ug/L			09/13/18 11:32	125
1,2,4-Trichlorobenzene	**65**	**J**	130	51	ug/L			09/13/18 11:32	125
1,2,4-Trimethylbenzene	ND		130	94	ug/L			09/13/18 11:32	125
1,2-Dibromo-3-Chloropropane	ND		130	49	ug/L			09/13/18 11:32	125
1,2-Dibromoethane	ND		130	91	ug/L			09/13/18 11:32	125
1,2-Dichlorobenzene	**140**		130	99	ug/L			09/13/18 11:32	125
1,2-Dichloroethane	ND		130	26	ug/L			09/13/18 11:32	125
1,2-Dichloropropane	ND		130	90	ug/L			09/13/18 11:32	125
1,3,5-Trimethylbenzene	ND		130	96	ug/L			09/13/18 11:32	125
1,3-Dichlorobenzene	**130**		130	98	ug/L			09/13/18 11:32	125
1,3-Dichloropropane	ND		130	94	ug/L			09/13/18 11:32	125
1,4-Dichlorobenzene	**190**		130	110	ug/L			09/13/18 11:32	125
2,2-Dichloropropane	ND		130	50	ug/L			09/13/18 11:32	125
2-Butanone (MEK)	ND		1300	170	ug/L			09/13/18 11:32	125
2-Chloroethyl vinyl ether	ND		630	120	ug/L			09/13/18 11:32	125
2-Hexanone	ND		630	160	ug/L			09/13/18 11:32	125
4-Methyl-2-pentanone (MIBK)	ND		630	260	ug/L			09/13/18 11:32	125
Acetone	ND		1300	380	ug/L			09/13/18 11:32	125
Benzene	**81**	**J**	130	51	ug/L			09/13/18 11:32	125
Bromobenzene	ND		130	100	ug/L			09/13/18 11:32	125
Bromochloromethane	ND		130	110	ug/L			09/13/18 11:32	125
Bromodichloromethane	ND		130	49	ug/L			09/13/18 11:32	125
Bromoform	ND		130	33	ug/L			09/13/18 11:32	125
Bromomethane	ND		130	86	ug/L			09/13/18 11:32	125
Carbon disulfide	ND		130	24	ug/L			09/13/18 11:32	125
Carbon tetrachloride	ND		130	34	ug/L			09/13/18 11:32	125
Chlorobenzene	**220**		130	94	ug/L			09/13/18 11:32	125

Client Sample ID: OW-5B
Date Collected: 09/12/18 11:11
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		130	40	ug/L			09/13/18 11:32	125
Chloroethane	ND		130	40	ug/L			09/13/18 11:32	125
Chloroform	ND		130	43	ug/L			09/13/18 11:32	125
Chloromethane	ND		130	44	ug/L			09/13/18 11:32	125
cis-1,2-Dichloroethene	**2700**		130	100	ug/L			09/13/18 11:32	125
cis-1,3-Dichloropropene	ND		130	45	ug/L			09/13/18 11:32	125
Dichlorodifluoromethane	ND		130	85	ug/L			09/13/18 11:32	125
Ethylbenzene	ND		130	93	ug/L			09/13/18 11:32	125
Hexachlorobutadiene	ND		130	35	ug/L			09/13/18 11:32	125
Isopropylbenzene	ND		130	99	ug/L			09/13/18 11:32	125
Methyl tert-butyl ether	ND		130	20	ug/L			09/13/18 11:32	125
Methylene Chloride	ND		130	55	ug/L			09/13/18 11:32	125
m-Xylene & p-Xylene	ND		250	83	ug/L			09/13/18 11:32	125
Naphthalene	ND		130	54	ug/L			09/13/18 11:32	125
n-Butylbenzene	ND		130	80	ug/L			09/13/18 11:32	125
N-Propylbenzene	ND		130	86	ug/L			09/13/18 11:32	125
o-Chlorotoluene	ND		130	110	ug/L			09/13/18 11:32	125
o-Xylene	ND		130	95	ug/L			09/13/18 11:32	125
p-Chlorotoluene	ND		130	110	ug/L			09/13/18 11:32	125
p-Cymene	ND		130	39	ug/L			09/13/18 11:32	125
sec-Butylbenzene	ND		130	94	ug/L			09/13/18 11:32	125
Styrene	ND		130	91	ug/L			09/13/18 11:32	125
tert-Butylbenzene	ND		130	100	ug/L			09/13/18 11:32	125
Tetrachloroethene	**3700**		130	45	ug/L			09/13/18 11:32	125
Toluene	ND		130	64	ug/L			09/13/18 11:32	125
trans-1,2-Dichloroethene	ND		130	110	ug/L			09/13/18 11:32	125
trans-1,3-Dichloropropene	ND		130	46	ug/L			09/13/18 11:32	125
Trichloroethene	**8900**		130	58	ug/L			09/13/18 11:32	125
Trichlorofluoromethane	ND		130	110	ug/L			09/13/18 11:32	125
Vinyl acetate	ND		630	110	ug/L			09/13/18 11:32	125
Vinyl chloride	**230**		130	110	ug/L			09/13/18 11:32	125

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/13/18 11:32*	*125*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/13/18 11:32*	*125*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/13/18 11:32*	*125*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/13/18 11:32*	*125*

Client Sample ID: OW-22A
Date Collected: 09/12/18 11:28
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/13/18 04:33	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/13/18 04:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/13/18 04:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/13/18 04:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/13/18 04:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/13/18 04:33	1

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

Client Sample ID: OW-22A
Date Collected: 09/12/18 11:28
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/13/18 04:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/13/18 04:33	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/13/18 04:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/13/18 04:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/13/18 04:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/13/18 04:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/13/18 04:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/13/18 04:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/13/18 04:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/13/18 04:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/13/18 04:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/13/18 04:33	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/13/18 04:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/13/18 04:33	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/13/18 04:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/13/18 04:33	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/13/18 04:33	1
2-Hexanone	ND		5.0	1.2	ug/L			09/13/18 04:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/13/18 04:33	1
Acetone	ND		10	3.0	ug/L			09/13/18 04:33	1
Benzene	ND		1.0	0.41	ug/L			09/13/18 04:33	1
Bromobenzene	ND		1.0	0.80	ug/L			09/13/18 04:33	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/13/18 04:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/13/18 04:33	1
Bromoform	ND		1.0	0.26	ug/L			09/13/18 04:33	1
Bromomethane	ND		1.0	0.69	ug/L			09/13/18 04:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/13/18 04:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/13/18 04:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/13/18 04:33	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/13/18 04:33	1
Chloroethane	ND		1.0	0.32	ug/L			09/13/18 04:33	1
Chloroform	**0.42**	**J**	1.0	0.34	ug/L			09/13/18 04:33	1
Chloromethane	ND		1.0	0.35	ug/L			09/13/18 04:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/13/18 04:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/13/18 04:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/13/18 04:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/13/18 04:33	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			09/13/18 04:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/13/18 04:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/13/18 04:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/13/18 04:33	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/13/18 04:33	1
Naphthalene	ND		1.0	0.43	ug/L			09/13/18 04:33	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/13/18 04:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/13/18 04:33	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/13/18 04:33	1
o-Xylene	ND		1.0	0.76	ug/L			09/13/18 04:33	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/13/18 04:33	1
p-Cymene	ND		1.0	0.31	ug/L			09/13/18 04:33	1

Client Sample ID: OW-22A

Lab Sample ID: 480-141622-5

Date Collected: 09/12/18 11:28

Matrix: Water

Date Received: 09/12/18 15:12

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/13/18 04:33	1
Styrene	ND		1.0	0.73	ug/L			09/13/18 04:33	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/13/18 04:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/13/18 04:33	1
Toluene	ND		1.0	0.51	ug/L			09/13/18 04:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/13/18 04:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/13/18 04:33	1
Trichloroethene	ND		1.0	0.46	ug/L			09/13/18 04:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/13/18 04:33	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/13/18 04:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/13/18 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*09/13/18 04:33*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*09/13/18 04:33*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*09/13/18 04:33*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/13/18 04:33*	*1*

Client Sample ID: OW-22B

Lab Sample ID: 480-141622-6

Date Collected: 09/12/18 11:32

Matrix: Water

Date Received: 09/12/18 15:12

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		20	7.0	ug/L			09/13/18 05:01	20
1,1,1-Trichloroethane	ND		20	16	ug/L			09/13/18 05:01	20
1,1,2,2-Tetrachloroethane	**120**		20	4.2	ug/L			09/13/18 05:01	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			09/13/18 05:01	20
1,1-Dichloroethane	ND		20	7.6	ug/L			09/13/18 05:01	20
1,1-Dichloroethene	ND		20	5.8	ug/L			09/13/18 05:01	20
1,1-Dichloropropene	ND		20	14	ug/L			09/13/18 05:01	20
1,2,3-Trichlorobenzene	**8.4**	**J**	20	8.2	ug/L			09/13/18 05:01	20
1,2,3-Trichloropropane	ND		20	18	ug/L			09/13/18 05:01	20
1,2,4-Trichlorobenzene	**22**		20	8.2	ug/L			09/13/18 05:01	20
1,2,4-Trimethylbenzene	ND		20	15	ug/L			09/13/18 05:01	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			09/13/18 05:01	20
1,2-Dibromoethane	ND		20	15	ug/L			09/13/18 05:01	20
1,2-Dichlorobenzene	ND		20	16	ug/L			09/13/18 05:01	20
1,2-Dichloroethane	ND		20	4.2	ug/L			09/13/18 05:01	20
1,2-Dichloropropane	ND		20	14	ug/L			09/13/18 05:01	20
1,3,5-Trimethylbenzene	ND		20	15	ug/L			09/13/18 05:01	20
1,3-Dichlorobenzene	**34**		20	16	ug/L			09/13/18 05:01	20
1,3-Dichloropropane	ND		20	15	ug/L			09/13/18 05:01	20
1,4-Dichlorobenzene	**33**		20	17	ug/L			09/13/18 05:01	20
2,2-Dichloropropane	ND		20	8.0	ug/L			09/13/18 05:01	20
2-Butanone (MEK)	ND		200	26	ug/L			09/13/18 05:01	20
2-Chloroethyl vinyl ether	ND		100	19	ug/L			09/13/18 05:01	20
2-Hexanone	ND		100	25	ug/L			09/13/18 05:01	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			09/13/18 05:01	20
Acetone	ND		200	60	ug/L			09/13/18 05:01	20

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

Client Sample ID: OW-22B
Date Collected: 09/12/18 11:32
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		20	8.2	ug/L			09/13/18 05:01	20
Bromobenzene	ND		20	16	ug/L			09/13/18 05:01	20
Bromochloromethane	ND		20	17	ug/L			09/13/18 05:01	20
Bromodichloromethane	ND		20	7.8	ug/L			09/13/18 05:01	20
Bromoform	ND		20	5.2	ug/L			09/13/18 05:01	20
Bromomethane	ND		20	14	ug/L			09/13/18 05:01	20
Carbon disulfide	ND		20	3.8	ug/L			09/13/18 05:01	20
Carbon tetrachloride	ND		20	5.4	ug/L			09/13/18 05:01	20
Chlorobenzene	**23**		20	15	ug/L			09/13/18 05:01	20
Chlorodibromomethane	ND		20	6.4	ug/L			09/13/18 05:01	20
Chloroethane	ND		20	6.4	ug/L			09/13/18 05:01	20
Chloroform	**16**	**J**	20	6.8	ug/L			09/13/18 05:01	20
Chloromethane	ND		20	7.0	ug/L			09/13/18 05:01	20
cis-1,2-Dichloroethene	**840**		20	16	ug/L			09/13/18 05:01	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			09/13/18 05:01	20
Dichlorodifluoromethane	ND		20	14	ug/L			09/13/18 05:01	20
Ethylbenzene	ND		20	15	ug/L			09/13/18 05:01	20
Hexachlorobutadiene	ND		20	5.6	ug/L			09/13/18 05:01	20
Isopropylbenzene	ND		20	16	ug/L			09/13/18 05:01	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			09/13/18 05:01	20
Methylene Chloride	ND		20	8.8	ug/L			09/13/18 05:01	20
m-Xylene & p-Xylene	ND		40	13	ug/L			09/13/18 05:01	20
Naphthalene	ND		20	8.6	ug/L			09/13/18 05:01	20
n-Butylbenzene	ND		20	13	ug/L			09/13/18 05:01	20
N-Propylbenzene	ND		20	14	ug/L			09/13/18 05:01	20
o-Chlorotoluene	ND		20	17	ug/L			09/13/18 05:01	20
o-Xylene	ND		20	15	ug/L			09/13/18 05:01	20
p-Chlorotoluene	ND		20	17	ug/L			09/13/18 05:01	20
p-Cymene	ND		20	6.2	ug/L			09/13/18 05:01	20
sec-Butylbenzene	ND		20	15	ug/L			09/13/18 05:01	20
Styrene	ND		20	15	ug/L			09/13/18 05:01	20
tert-Butylbenzene	ND		20	16	ug/L			09/13/18 05:01	20
Tetrachloroethene	**600**		20	7.2	ug/L			09/13/18 05:01	20
Toluene	ND		20	10	ug/L			09/13/18 05:01	20
trans-1,2-Dichloroethene	**20**		20	18	ug/L			09/13/18 05:01	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			09/13/18 05:01	20
Trichloroethene	**1600**	**F1**	20	9.2	ug/L			09/13/18 05:01	20
Trichlorofluoromethane	ND		20	18	ug/L			09/13/18 05:01	20
Vinyl acetate	ND		100	17	ug/L			09/13/18 05:01	20
Vinyl chloride	ND		20	18	ug/L			09/13/18 05:01	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/13/18 05:01*	*20*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*09/13/18 05:01*	*20*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*09/13/18 05:01*	*20*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/13/18 05:01*	*20*

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

Client Sample ID: OW-15B
Date Collected: 09/12/18 12:22
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		50	18	ug/L			09/13/18 05:29	50
1,1,1-Trichloroethane	ND		50	41	ug/L			09/13/18 05:29	50
1,1,2,2-Tetrachloroethane	**540**		50	11	ug/L			09/13/18 05:29	50
1,1,2-Trichloroethane	**17**	**J**	50	12	ug/L			09/13/18 05:29	50
1,1-Dichloroethane	ND		50	19	ug/L			09/13/18 05:29	50
1,1-Dichloroethene	**25**	**J**	50	15	ug/L			09/13/18 05:29	50
1,1-Dichloropropene	ND		50	36	ug/L			09/13/18 05:29	50
1,2,3-Trichlorobenzene	**31**	**J**	50	21	ug/L			09/13/18 05:29	50
1,2,3-Trichloropropane	ND		50	45	ug/L			09/13/18 05:29	50
1,2,4-Trichlorobenzene	**89**		50	21	ug/L			09/13/18 05:29	50
1,2,4-Trimethylbenzene	ND		50	38	ug/L			09/13/18 05:29	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			09/13/18 05:29	50
1,2-Dibromoethane	ND		50	37	ug/L			09/13/18 05:29	50
1,2-Dichlorobenzene	**220**		50	40	ug/L			09/13/18 05:29	50
1,2-Dichloroethane	ND		50	11	ug/L			09/13/18 05:29	50
1,2-Dichloropropane	ND		50	36	ug/L			09/13/18 05:29	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			09/13/18 05:29	50
1,3-Dichlorobenzene	**170**		50	39	ug/L			09/13/18 05:29	50
1,3-Dichloropropane	ND		50	38	ug/L			09/13/18 05:29	50
1,4-Dichlorobenzene	**250**		50	42	ug/L			09/13/18 05:29	50
2,2-Dichloropropane	ND		50	20	ug/L			09/13/18 05:29	50
2-Butanone (MEK)	ND		500	66	ug/L			09/13/18 05:29	50
2-Chloroethyl vinyl ether	ND		250	48	ug/L			09/13/18 05:29	50
2-Hexanone	ND		250	62	ug/L			09/13/18 05:29	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			09/13/18 05:29	50
Acetone	ND		500	150	ug/L			09/13/18 05:29	50
Benzene	**71**		50	21	ug/L			09/13/18 05:29	50
Bromobenzene	ND		50	40	ug/L			09/13/18 05:29	50
Bromochloromethane	ND		50	44	ug/L			09/13/18 05:29	50
Bromodichloromethane	ND		50	20	ug/L			09/13/18 05:29	50
Bromoform	ND		50	13	ug/L			09/13/18 05:29	50
Bromomethane	ND		50	35	ug/L			09/13/18 05:29	50
Carbon disulfide	ND		50	9.5	ug/L			09/13/18 05:29	50
Carbon tetrachloride	ND		50	14	ug/L			09/13/18 05:29	50
Chlorobenzene	**310**		50	38	ug/L			09/13/18 05:29	50
Chlorodibromomethane	ND		50	16	ug/L			09/13/18 05:29	50
Chloroethane	ND		50	16	ug/L			09/13/18 05:29	50
Chloroform	**160**		50	17	ug/L			09/13/18 05:29	50
Chloromethane	ND		50	18	ug/L			09/13/18 05:29	50
cis-1,2-Dichloroethene	**2900**		50	41	ug/L			09/13/18 05:29	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			09/13/18 05:29	50
Dichlorodifluoromethane	ND		50	34	ug/L			09/13/18 05:29	50
Ethylbenzene	ND		50	37	ug/L			09/13/18 05:29	50
Hexachlorobutadiene	ND		50	14	ug/L			09/13/18 05:29	50
Isopropylbenzene	ND		50	40	ug/L			09/13/18 05:29	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			09/13/18 05:29	50
Methylene Chloride	ND		50	22	ug/L			09/13/18 05:29	50
m-Xylene & p-Xylene	ND		100	33	ug/L			09/13/18 05:29	50
Naphthalene	ND		50	22	ug/L			09/13/18 05:29	50

Client Sample ID: OW-15B
Date Collected: 09/12/18 12:22
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		50	32	ug/L			09/13/18 05:29	50
N-Propylbenzene	ND		50	35	ug/L			09/13/18 05:29	50
o-Chlorotoluene	ND		50	43	ug/L			09/13/18 05:29	50
o-Xylene	ND		50	38	ug/L			09/13/18 05:29	50
p-Chlorotoluene	ND		50	42	ug/L			09/13/18 05:29	50
p-Cymene	ND		50	16	ug/L			09/13/18 05:29	50
sec-Butylbenzene	ND		50	38	ug/L			09/13/18 05:29	50
Styrene	ND		50	37	ug/L			09/13/18 05:29	50
tert-Butylbenzene	ND		50	41	ug/L			09/13/18 05:29	50
Tetrachloroethene	**2200**		50	18	ug/L			09/13/18 05:29	50
Toluene	ND		50	26	ug/L			09/13/18 05:29	50
trans-1,2-Dichloroethene	**52**		50	45	ug/L			09/13/18 05:29	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			09/13/18 05:29	50
Trichloroethene	**6800**	**E**	50	23	ug/L			09/13/18 05:29	50
Trichlorofluoromethane	ND		50	44	ug/L			09/13/18 05:29	50
Vinyl acetate	ND		250	43	ug/L			09/13/18 05:29	50
Vinyl chloride	**320**		50	45	ug/L			09/13/18 05:29	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/13/18 05:29*	*50*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*09/13/18 05:29*	*50*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/13/18 05:29*	*50*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/13/18 05:29*	*50*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	35	ug/L			09/13/18 12:00	100
1,1,1-Trichloroethane	ND		100	82	ug/L			09/13/18 12:00	100
1,1,2,2-Tetrachloroethane	**580**		100	21	ug/L			09/13/18 12:00	100
1,1,2-Trichloroethane	ND		100	23	ug/L			09/13/18 12:00	100
1,1-Dichloroethane	ND		100	38	ug/L			09/13/18 12:00	100
1,1-Dichloroethene	ND		100	29	ug/L			09/13/18 12:00	100
1,1-Dichloropropene	ND		100	72	ug/L			09/13/18 12:00	100
1,2,3-Trichlorobenzene	ND		100	41	ug/L			09/13/18 12:00	100
1,2,3-Trichloropropane	ND		100	89	ug/L			09/13/18 12:00	100
1,2,4-Trichlorobenzene	**74**	**J**	100	41	ug/L			09/13/18 12:00	100
1,2,4-Trimethylbenzene	ND		100	75	ug/L			09/13/18 12:00	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			09/13/18 12:00	100
1,2-Dibromoethane	ND		100	73	ug/L			09/13/18 12:00	100
1,2-Dichlorobenzene	**230**		100	79	ug/L			09/13/18 12:00	100
1,2-Dichloroethane	ND		100	21	ug/L			09/13/18 12:00	100
1,2-Dichloropropane	ND		100	72	ug/L			09/13/18 12:00	100
1,3,5-Trimethylbenzene	ND		100	77	ug/L			09/13/18 12:00	100
1,3-Dichlorobenzene	**180**		100	78	ug/L			09/13/18 12:00	100
1,3-Dichloropropane	ND		100	75	ug/L			09/13/18 12:00	100
1,4-Dichlorobenzene	**250**		100	84	ug/L			09/13/18 12:00	100
2,2-Dichloropropane	ND		100	40	ug/L			09/13/18 12:00	100
2-Butanone (MEK)	ND		1000	130	ug/L			09/13/18 12:00	100
2-Chloroethyl vinyl ether	ND		500	96	ug/L			09/13/18 12:00	100
2-Hexanone	ND		500	120	ug/L			09/13/18 12:00	100

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

Client Sample ID: OW-15B
Date Collected: 09/12/18 12:22
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			09/13/18 12:00	100
Acetone	ND		1000	300	ug/L			09/13/18 12:00	100
Benzene	**76**	**J**	100	41	ug/L			09/13/18 12:00	100
Bromobenzene	ND		100	80	ug/L			09/13/18 12:00	100
Bromochloromethane	ND		100	87	ug/L			09/13/18 12:00	100
Bromodichloromethane	ND		100	39	ug/L			09/13/18 12:00	100
Bromoform	ND		100	26	ug/L			09/13/18 12:00	100
Bromomethane	ND		100	69	ug/L			09/13/18 12:00	100
Carbon disulfide	ND		100	19	ug/L			09/13/18 12:00	100
Carbon tetrachloride	ND		100	27	ug/L			09/13/18 12:00	100
Chlorobenzene	**320**		100	75	ug/L			09/13/18 12:00	100
Chlorodibromomethane	ND		100	32	ug/L			09/13/18 12:00	100
Chloroethane	ND		100	32	ug/L			09/13/18 12:00	100
Chloroform	**200**		100	34	ug/L			09/13/18 12:00	100
Chloromethane	ND		100	35	ug/L			09/13/18 12:00	100
cis-1,2-Dichloroethene	**3100**		100	81	ug/L			09/13/18 12:00	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			09/13/18 12:00	100
Dichlorodifluoromethane	ND		100	68	ug/L			09/13/18 12:00	100
Ethylbenzene	ND		100	74	ug/L			09/13/18 12:00	100
Hexachlorobutadiene	ND		100	28	ug/L			09/13/18 12:00	100
Isopropylbenzene	ND		100	79	ug/L			09/13/18 12:00	100
Methyl tert-butyl ether	ND		100	16	ug/L			09/13/18 12:00	100
Methylene Chloride	ND		100	44	ug/L			09/13/18 12:00	100
m-Xylene & p-Xylene	ND		200	66	ug/L			09/13/18 12:00	100
Naphthalene	ND		100	43	ug/L			09/13/18 12:00	100
n-Butylbenzene	ND		100	64	ug/L			09/13/18 12:00	100
N-Propylbenzene	ND		100	69	ug/L			09/13/18 12:00	100
o-Chlorotoluene	ND		100	86	ug/L			09/13/18 12:00	100
o-Xylene	ND		100	76	ug/L			09/13/18 12:00	100
p-Chlorotoluene	ND		100	84	ug/L			09/13/18 12:00	100
p-Cymene	ND		100	31	ug/L			09/13/18 12:00	100
sec-Butylbenzene	ND		100	75	ug/L			09/13/18 12:00	100
Styrene	ND		100	73	ug/L			09/13/18 12:00	100
tert-Butylbenzene	ND		100	81	ug/L			09/13/18 12:00	100
Tetrachloroethene	**2300**		100	36	ug/L			09/13/18 12:00	100
Toluene	ND		100	51	ug/L			09/13/18 12:00	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			09/13/18 12:00	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			09/13/18 12:00	100
Trichloroethene	**7500**		100	46	ug/L			09/13/18 12:00	100
Trichlorofluoromethane	ND		100	88	ug/L			09/13/18 12:00	100
Vinyl acetate	ND		500	85	ug/L			09/13/18 12:00	100
Vinyl chloride	**320**		100	90	ug/L			09/13/18 12:00	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/13/18 12:00*	*100*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/13/18 12:00*	*100*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*09/13/18 12:00*	*100*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/13/18 12:00*	*100*

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

Client Sample ID: OW-14B
Date Collected: 09/12/18 12:55
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	35	ug/L			09/13/18 05:57	100
1,1,1-Trichloroethane	ND		100	82	ug/L			09/13/18 05:57	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			09/13/18 05:57	100
1,1,2-Trichloroethane	ND		100	23	ug/L			09/13/18 05:57	100
1,1-Dichloroethane	ND		100	38	ug/L			09/13/18 05:57	100
1,1-Dichloroethene	ND		100	29	ug/L			09/13/18 05:57	100
1,1-Dichloropropene	ND		100	72	ug/L			09/13/18 05:57	100
1,2,3-Trichlorobenzene	**58**	**J**	100	41	ug/L			09/13/18 05:57	100
1,2,3-Trichloropropane	ND		100	89	ug/L			09/13/18 05:57	100
1,2,4-Trichlorobenzene	**260**		100	41	ug/L			09/13/18 05:57	100
1,2,4-Trimethylbenzene	ND		100	75	ug/L			09/13/18 05:57	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			09/13/18 05:57	100
1,2-Dibromoethane	ND		100	73	ug/L			09/13/18 05:57	100
1,2-Dichlorobenzene	**3400**		100	79	ug/L			09/13/18 05:57	100
1,2-Dichloroethane	ND		100	21	ug/L			09/13/18 05:57	100
1,2-Dichloropropane	ND		100	72	ug/L			09/13/18 05:57	100
1,3,5-Trimethylbenzene	ND		100	77	ug/L			09/13/18 05:57	100
1,3-Dichlorobenzene	**1800**		100	78	ug/L			09/13/18 05:57	100
1,3-Dichloropropane	ND		100	75	ug/L			09/13/18 05:57	100
1,4-Dichlorobenzene	**6100**		100	84	ug/L			09/13/18 05:57	100
2,2-Dichloropropane	ND		100	40	ug/L			09/13/18 05:57	100
2-Butanone (MEK)	ND		1000	130	ug/L			09/13/18 05:57	100
2-Chloroethyl vinyl ether	ND		500	96	ug/L			09/13/18 05:57	100
2-Hexanone	ND		500	120	ug/L			09/13/18 05:57	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			09/13/18 05:57	100
Acetone	ND		1000	300	ug/L			09/13/18 05:57	100
Benzene	ND		100	41	ug/L			09/13/18 05:57	100
Bromobenzene	ND		100	80	ug/L			09/13/18 05:57	100
Bromochloromethane	ND		100	87	ug/L			09/13/18 05:57	100
Bromodichloromethane	ND		100	39	ug/L			09/13/18 05:57	100
Bromoform	ND		100	26	ug/L			09/13/18 05:57	100
Bromomethane	ND		100	69	ug/L			09/13/18 05:57	100
Carbon disulfide	ND		100	19	ug/L			09/13/18 05:57	100
Carbon tetrachloride	ND		100	27	ug/L			09/13/18 05:57	100
Chlorobenzene	**2100**		100	75	ug/L			09/13/18 05:57	100
Chlorodibromomethane	ND		100	32	ug/L			09/13/18 05:57	100
Chloroethane	ND		100	32	ug/L			09/13/18 05:57	100
Chloroform	ND		100	34	ug/L			09/13/18 05:57	100
Chloromethane	ND		100	35	ug/L			09/13/18 05:57	100
cis-1,2-Dichloroethene	ND		100	81	ug/L			09/13/18 05:57	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			09/13/18 05:57	100
Dichlorodifluoromethane	ND		100	68	ug/L			09/13/18 05:57	100
Ethylbenzene	ND		100	74	ug/L			09/13/18 05:57	100
Hexachlorobutadiene	ND		100	28	ug/L			09/13/18 05:57	100
Isopropylbenzene	ND		100	79	ug/L			09/13/18 05:57	100
Methyl tert-butyl ether	ND		100	16	ug/L			09/13/18 05:57	100
Methylene Chloride	ND		100	44	ug/L			09/13/18 05:57	100
m-Xylene & p-Xylene	ND		200	66	ug/L			09/13/18 05:57	100
Naphthalene	ND		100	43	ug/L			09/13/18 05:57	100

Client Sample ID: OW-14B
Date Collected: 09/12/18 12:55
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		100	64	ug/L			09/13/18 05:57	100
N-Propylbenzene	ND		100	69	ug/L			09/13/18 05:57	100
o-Chlorotoluene	ND		100	86	ug/L			09/13/18 05:57	100
o-Xylene	ND		100	76	ug/L			09/13/18 05:57	100
p-Chlorotoluene	ND		100	84	ug/L			09/13/18 05:57	100
p-Cymene	ND		100	31	ug/L			09/13/18 05:57	100
sec-Butylbenzene	ND		100	75	ug/L			09/13/18 05:57	100
Styrene	ND		100	73	ug/L			09/13/18 05:57	100
tert-Butylbenzene	ND		100	81	ug/L			09/13/18 05:57	100
Tetrachloroethene	ND		100	36	ug/L			09/13/18 05:57	100
Toluene	ND		100	51	ug/L			09/13/18 05:57	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			09/13/18 05:57	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			09/13/18 05:57	100
Trichloroethene	ND		100	46	ug/L			09/13/18 05:57	100
Trichlorofluoromethane	ND		100	88	ug/L			09/13/18 05:57	100
Vinyl acetate	ND		500	85	ug/L			09/13/18 05:57	100
Vinyl chloride	ND		100	90	ug/L			09/13/18 05:57	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*09/13/18 05:57*	*100*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/13/18 05:57*	*100*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*09/13/18 05:57*	*100*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/13/18 05:57*	*100*

Client Sample ID: OW-6B
Date Collected: 09/12/18 13:08
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		50	18	ug/L			09/13/18 06:25	50
1,1,1-Trichloroethane	ND		50	41	ug/L			09/13/18 06:25	50
1,1,2,2-Tetrachloroethane	**150**		50	11	ug/L			09/13/18 06:25	50
1,1,2-Trichloroethane	ND		50	12	ug/L			09/13/18 06:25	50
1,1-Dichloroethane	ND		50	19	ug/L			09/13/18 06:25	50
1,1-Dichloroethene	**23**	**J**	50	15	ug/L			09/13/18 06:25	50
1,1-Dichloropropene	ND		50	36	ug/L			09/13/18 06:25	50
1,2,3-Trichlorobenzene	**28**	**J**	50	21	ug/L			09/13/18 06:25	50
1,2,3-Trichloropropane	ND		50	45	ug/L			09/13/18 06:25	50
1,2,4-Trichlorobenzene	**1100**		50	21	ug/L			09/13/18 06:25	50
1,2,4-Trimethylbenzene	ND		50	38	ug/L			09/13/18 06:25	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			09/13/18 06:25	50
1,2-Dibromoethane	ND		50	37	ug/L			09/13/18 06:25	50
1,2-Dichlorobenzene	**790**		50	40	ug/L			09/13/18 06:25	50
1,2-Dichloroethane	ND		50	11	ug/L			09/13/18 06:25	50
1,2-Dichloropropane	ND		50	36	ug/L			09/13/18 06:25	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			09/13/18 06:25	50
1,3-Dichlorobenzene	**400**		50	39	ug/L			09/13/18 06:25	50
1,3-Dichloropropane	ND		50	38	ug/L			09/13/18 06:25	50
1,4-Dichlorobenzene	**820**		50	42	ug/L			09/13/18 06:25	50

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

Client Sample ID: OW-6B
Date Collected: 09/12/18 13:08
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		50	20	ug/L			09/13/18 06:25	50
2-Butanone (MEK)	ND		500	66	ug/L			09/13/18 06:25	50
2-Chloroethyl vinyl ether	ND		250	48	ug/L			09/13/18 06:25	50
2-Hexanone	ND		250	62	ug/L			09/13/18 06:25	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			09/13/18 06:25	50
Acetone	ND		500	150	ug/L			09/13/18 06:25	50
Benzene	**110**		50	21	ug/L			09/13/18 06:25	50
Bromobenzene	ND		50	40	ug/L			09/13/18 06:25	50
Bromochloromethane	ND		50	44	ug/L			09/13/18 06:25	50
Bromodichloromethane	ND		50	20	ug/L			09/13/18 06:25	50
Bromoform	ND		50	13	ug/L			09/13/18 06:25	50
Bromomethane	ND		50	35	ug/L			09/13/18 06:25	50
Carbon disulfide	ND		50	9.5	ug/L			09/13/18 06:25	50
Carbon tetrachloride	ND		50	14	ug/L			09/13/18 06:25	50
Chlorobenzene	**660**		50	38	ug/L			09/13/18 06:25	50
Chlorodibromomethane	ND		50	16	ug/L			09/13/18 06:25	50
Chloroethane	ND		50	16	ug/L			09/13/18 06:25	50
Chloroform	ND		50	17	ug/L			09/13/18 06:25	50
Chloromethane	ND		50	18	ug/L			09/13/18 06:25	50
cis-1,2-Dichloroethene	**5400**	**E**	50	41	ug/L			09/13/18 06:25	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			09/13/18 06:25	50
Dichlorodifluoromethane	ND		50	34	ug/L			09/13/18 06:25	50
Ethylbenzene	ND		50	37	ug/L			09/13/18 06:25	50
Hexachlorobutadiene	ND		50	14	ug/L			09/13/18 06:25	50
Isopropylbenzene	ND		50	40	ug/L			09/13/18 06:25	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			09/13/18 06:25	50
Methylene Chloride	ND		50	22	ug/L			09/13/18 06:25	50
m-Xylene & p-Xylene	ND		100	33	ug/L			09/13/18 06:25	50
Naphthalene	ND		50	22	ug/L			09/13/18 06:25	50
n-Butylbenzene	ND		50	32	ug/L			09/13/18 06:25	50
N-Propylbenzene	ND		50	35	ug/L			09/13/18 06:25	50
o-Chlorotoluene	ND		50	43	ug/L			09/13/18 06:25	50
o-Xylene	ND		50	38	ug/L			09/13/18 06:25	50
p-Chlorotoluene	ND		50	42	ug/L			09/13/18 06:25	50
p-Cymene	ND		50	16	ug/L			09/13/18 06:25	50
sec-Butylbenzene	ND		50	38	ug/L			09/13/18 06:25	50
Styrene	ND		50	37	ug/L			09/13/18 06:25	50
tert-Butylbenzene	ND		50	41	ug/L			09/13/18 06:25	50
Tetrachloroethene	**660**		50	18	ug/L			09/13/18 06:25	50
Toluene	ND		50	26	ug/L			09/13/18 06:25	50
trans-1,2-Dichloroethene	**130**		50	45	ug/L			09/13/18 06:25	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			09/13/18 06:25	50
Trichloroethene	**1800**		50	23	ug/L			09/13/18 06:25	50
Trichlorofluoromethane	ND		50	44	ug/L			09/13/18 06:25	50
Vinyl acetate	ND		250	43	ug/L			09/13/18 06:25	50
Vinyl chloride	**760**		50	45	ug/L			09/13/18 06:25	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*09/13/18 06:25*	*50*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/13/18 06:25*	*50*

Client Sample ID: OW-6B
Date Collected: 09/12/18 13:08
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/13/18 06:25*	*50*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/13/18 06:25*	*50*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	35	ug/L			09/13/18 12:28	100
1,1,1-Trichloroethane	ND		100	82	ug/L			09/13/18 12:28	100
1,1,2,2-Tetrachloroethane	**180**		100	21	ug/L			09/13/18 12:28	100
1,1,2-Trichloroethane	ND		100	23	ug/L			09/13/18 12:28	100
1,1-Dichloroethane	ND		100	38	ug/L			09/13/18 12:28	100
1,1-Dichloroethene	**38**	**J**	100	29	ug/L			09/13/18 12:28	100
1,1-Dichloropropene	ND		100	72	ug/L			09/13/18 12:28	100
1,2,3-Trichlorobenzene	ND		100	41	ug/L			09/13/18 12:28	100
1,2,3-Trichloropropane	ND		100	89	ug/L			09/13/18 12:28	100
1,2,4-Trichlorobenzene	**1100**		100	41	ug/L			09/13/18 12:28	100
1,2,4-Trimethylbenzene	ND		100	75	ug/L			09/13/18 12:28	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			09/13/18 12:28	100
1,2-Dibromoethane	ND		100	73	ug/L			09/13/18 12:28	100
1,2-Dichlorobenzene	**800**		100	79	ug/L			09/13/18 12:28	100
1,2-Dichloroethane	ND		100	21	ug/L			09/13/18 12:28	100
1,2-Dichloropropane	ND		100	72	ug/L			09/13/18 12:28	100
1,3,5-Trimethylbenzene	ND		100	77	ug/L			09/13/18 12:28	100
1,3-Dichlorobenzene	**430**		100	78	ug/L			09/13/18 12:28	100
1,3-Dichloropropane	ND		100	75	ug/L			09/13/18 12:28	100
1,4-Dichlorobenzene	**840**		100	84	ug/L			09/13/18 12:28	100
2,2-Dichloropropane	ND		100	40	ug/L			09/13/18 12:28	100
2-Butanone (MEK)	ND		1000	130	ug/L			09/13/18 12:28	100
2-Chloroethyl vinyl ether	ND		500	96	ug/L			09/13/18 12:28	100
2-Hexanone	ND		500	120	ug/L			09/13/18 12:28	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			09/13/18 12:28	100
Acetone	ND		1000	300	ug/L			09/13/18 12:28	100
Benzene	**110**		100	41	ug/L			09/13/18 12:28	100
Bromobenzene	ND		100	80	ug/L			09/13/18 12:28	100
Bromochloromethane	ND		100	87	ug/L			09/13/18 12:28	100
Bromodichloromethane	ND		100	39	ug/L			09/13/18 12:28	100
Bromoform	ND		100	26	ug/L			09/13/18 12:28	100
Bromomethane	ND		100	69	ug/L			09/13/18 12:28	100
Carbon disulfide	ND		100	19	ug/L			09/13/18 12:28	100
Carbon tetrachloride	ND		100	27	ug/L			09/13/18 12:28	100
Chlorobenzene	**690**		100	75	ug/L			09/13/18 12:28	100
Chlorodibromomethane	ND		100	32	ug/L			09/13/18 12:28	100
Chloroethane	ND		100	32	ug/L			09/13/18 12:28	100
Chloroform	ND		100	34	ug/L			09/13/18 12:28	100
Chloromethane	ND		100	35	ug/L			09/13/18 12:28	100
cis-1,2-Dichloroethene	**5400**		100	81	ug/L			09/13/18 12:28	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			09/13/18 12:28	100
Dichlorodifluoromethane	ND		100	68	ug/L			09/13/18 12:28	100
Ethylbenzene	ND		100	74	ug/L			09/13/18 12:28	100
Hexachlorobutadiene	ND		100	28	ug/L			09/13/18 12:28	100

Client Sample ID: OW-6B

Date Collected: 09/12/18 13:08
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-9

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		100	79	ug/L			09/13/18 12:28	100
Methyl tert-butyl ether	ND		100	16	ug/L			09/13/18 12:28	100
Methylene Chloride	ND		100	44	ug/L			09/13/18 12:28	100
m-Xylene & p-Xylene	ND		200	66	ug/L			09/13/18 12:28	100
Naphthalene	ND		100	43	ug/L			09/13/18 12:28	100
n-Butylbenzene	ND		100	64	ug/L			09/13/18 12:28	100
N-Propylbenzene	ND		100	69	ug/L			09/13/18 12:28	100
o-Chlorotoluene	ND		100	86	ug/L			09/13/18 12:28	100
o-Xylene	ND		100	76	ug/L			09/13/18 12:28	100
p-Chlorotoluene	ND		100	84	ug/L			09/13/18 12:28	100
p-Cymene	ND		100	31	ug/L			09/13/18 12:28	100
sec-Butylbenzene	ND		100	75	ug/L			09/13/18 12:28	100
Styrene	ND		100	73	ug/L			09/13/18 12:28	100
tert-Butylbenzene	ND		100	81	ug/L			09/13/18 12:28	100
Tetrachloroethene	**700**		100	36	ug/L			09/13/18 12:28	100
Toluene	ND		100	51	ug/L			09/13/18 12:28	100
trans-1,2-Dichloroethene	**120**		100	90	ug/L			09/13/18 12:28	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			09/13/18 12:28	100
Trichloroethene	**1900**		100	46	ug/L			09/13/18 12:28	100
Trichlorofluoromethane	ND		100	88	ug/L			09/13/18 12:28	100
Vinyl acetate	ND		500	85	ug/L			09/13/18 12:28	100
Vinyl chloride	**790**		100	90	ug/L			09/13/18 12:28	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*09/13/18 12:28*	*100*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/13/18 12:28*	*100*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/13/18 12:28*	*100*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/13/18 12:28*	*100*

Client Sample ID: OW-7B

Date Collected: 09/12/18 13:15
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-10

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/13/18 06:53	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/13/18 06:53	1
1,1,2,2-Tetrachloroethane	**6.1**		1.0	0.21	ug/L			09/13/18 06:53	1
1,1,2-Trichloroethane	**0.47**	**J**	1.0	0.23	ug/L			09/13/18 06:53	1
1,1-Dichloroethane	**1.1**		1.0	0.38	ug/L			09/13/18 06:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/13/18 06:53	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/13/18 06:53	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/13/18 06:53	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/13/18 06:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/13/18 06:53	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/13/18 06:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/13/18 06:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/13/18 06:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/13/18 06:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/13/18 06:53	1

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

Client Sample ID: OW-7B
Date Collected: 09/12/18 13:15
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-10
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/13/18 06:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/13/18 06:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/13/18 06:53	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/13/18 06:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/13/18 06:53	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/13/18 06:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/13/18 06:53	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/13/18 06:53	1
2-Hexanone	ND		5.0	1.2	ug/L			09/13/18 06:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/13/18 06:53	1
Acetone	ND		10	3.0	ug/L			09/13/18 06:53	1
Benzene	ND		1.0	0.41	ug/L			09/13/18 06:53	1
Bromobenzene	ND		1.0	0.80	ug/L			09/13/18 06:53	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/13/18 06:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/13/18 06:53	1
Bromoform	ND		1.0	0.26	ug/L			09/13/18 06:53	1
Bromomethane	ND		1.0	0.69	ug/L			09/13/18 06:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/13/18 06:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/13/18 06:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/13/18 06:53	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/13/18 06:53	1
Chloroethane	ND		1.0	0.32	ug/L			09/13/18 06:53	1
Chloroform	**1.0**		1.0	0.34	ug/L			09/13/18 06:53	1
Chloromethane	ND		1.0	0.35	ug/L			09/13/18 06:53	1
cis-1,2-Dichloroethene	**41**		1.0	0.81	ug/L			09/13/18 06:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/13/18 06:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/13/18 06:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/13/18 06:53	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			09/13/18 06:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/13/18 06:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/13/18 06:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/13/18 06:53	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/13/18 06:53	1
Naphthalene	ND		1.0	0.43	ug/L			09/13/18 06:53	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/13/18 06:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/13/18 06:53	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/13/18 06:53	1
o-Xylene	ND		1.0	0.76	ug/L			09/13/18 06:53	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/13/18 06:53	1
p-Cymene	ND		1.0	0.31	ug/L			09/13/18 06:53	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/13/18 06:53	1
Styrene	ND		1.0	0.73	ug/L			09/13/18 06:53	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/13/18 06:53	1
Tetrachloroethene	**7.4**		1.0	0.36	ug/L			09/13/18 06:53	1
Toluene	ND		1.0	0.51	ug/L			09/13/18 06:53	1
trans-1,2-Dichloroethene	**3.6**		1.0	0.90	ug/L			09/13/18 06:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/13/18 06:53	1
Trichloroethene	**23**		1.0	0.46	ug/L			09/13/18 06:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/13/18 06:53	1

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

Client Sample ID: OW-7B
Date Collected: 09/12/18 13:15
Date Received: 09/12/18 15:12

Lab Sample ID: 480-141622-10
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	ND		5.0	0.85	ug/L			09/13/18 06:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/13/18 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*09/13/18 06:53*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/13/18 06:53*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*09/13/18 06:53*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/13/18 06:53*	*1*

Surrogate Summary

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-141622-1	TB-03	106	95	108	97
480-141622-2	OW-8B	103	94	106	95
480-141622-3	OW-115B	103	91	105	95
480-141622-4	OW-5B	102	95	104	96
480-141622-4 - DL	OW-5B	106	96	107	99
480-141622-5	OW-22A	105	92	108	95
480-141622-6	OW-22B	106	90	108	97
480-141622-6 MS	OW-22B	103	93	110	99
480-141622-6 MSD	OW-22B	103	95	111	98
480-141622-7	OW-15B	102	92	104	96
480-141622-7 - DL	OW-15B	106	94	110	95
480-141622-8	OW-14B	103	95	104	97
480-141622-9	OW-6B	105	96	107	99
480-141622-9 - DL	OW-6B	108	97	106	100
480-141622-10	OW-7B	104	99	110	100
LCS 480-434138/5	Lab Control Sample	102	91	106	99
LCS 480-434148/5	Lab Control Sample	106	94	106	95
MB 480-434138/7	Method Blank	104	95	105	96
MB 480-434148/7	Method Blank	102	93	102	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-434138/7
Matrix: Water
Analysis Batch: 434138

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/12/18 23:47	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/12/18 23:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/12/18 23:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/12/18 23:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/12/18 23:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/12/18 23:47	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/12/18 23:47	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/12/18 23:47	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/12/18 23:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/12/18 23:47	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/12/18 23:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/12/18 23:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/12/18 23:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/12/18 23:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/12/18 23:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/12/18 23:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/12/18 23:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/12/18 23:47	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/12/18 23:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/12/18 23:47	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/12/18 23:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/12/18 23:47	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/12/18 23:47	1
2-Hexanone	ND		5.0	1.2	ug/L			09/12/18 23:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/12/18 23:47	1
Acetone	ND		10	3.0	ug/L			09/12/18 23:47	1
Benzene	ND		1.0	0.41	ug/L			09/12/18 23:47	1
Bromobenzene	ND		1.0	0.80	ug/L			09/12/18 23:47	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/12/18 23:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/12/18 23:47	1
Bromoform	ND		1.0	0.26	ug/L			09/12/18 23:47	1
Bromomethane	ND		1.0	0.69	ug/L			09/12/18 23:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/12/18 23:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/12/18 23:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/12/18 23:47	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/12/18 23:47	1
Chloroethane	ND		1.0	0.32	ug/L			09/12/18 23:47	1
Chloroform	ND		1.0	0.34	ug/L			09/12/18 23:47	1
Chloromethane	ND		1.0	0.35	ug/L			09/12/18 23:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/12/18 23:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/12/18 23:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/12/18 23:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/12/18 23:47	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			09/12/18 23:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/12/18 23:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/12/18 23:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/12/18 23:47	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/12/18 23:47	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-434138/7
Matrix: Water
Analysis Batch: 434138

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.43	ug/L			09/12/18 23:47	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/12/18 23:47	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/12/18 23:47	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/12/18 23:47	1
o-Xylene	ND		1.0	0.76	ug/L			09/12/18 23:47	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/12/18 23:47	1
p-Cymene	ND		1.0	0.31	ug/L			09/12/18 23:47	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/12/18 23:47	1
Styrene	ND		1.0	0.73	ug/L			09/12/18 23:47	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/12/18 23:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/12/18 23:47	1
Toluene	ND		1.0	0.51	ug/L			09/12/18 23:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/12/18 23:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/12/18 23:47	1
Trichloroethene	ND		1.0	0.46	ug/L			09/12/18 23:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/12/18 23:47	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/12/18 23:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/12/18 23:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*09/12/18 23:47*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/12/18 23:47*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*09/12/18 23:47*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/12/18 23:47*	*1*

Lab Sample ID: LCS 480-434138/5
Matrix: Water
Analysis Batch: 434138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	24.5		ug/L		98	80 - 120
1,1,1-Trichloroethane	25.0	27.6		ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.9		ug/L		96	76 - 120
1,1,2-Trichloroethane	25.0	23.8		ug/L		95	76 - 122
1,1-Dichloroethane	25.0	26.2		ug/L		105	77 - 120
1,1-Dichloroethene	25.0	26.2		ug/L		105	66 - 127
1,1-Dichloropropene	25.0	26.5		ug/L		106	72 - 122
1,2,3-Trichlorobenzene	25.0	19.9		ug/L		79	75 - 123
1,2,3-Trichloropropane	25.0	26.0		ug/L		104	68 - 122
1,2,4-Trichlorobenzene	25.0	21.1		ug/L		84	79 - 122
1,2,4-Trimethylbenzene	25.0	24.7		ug/L		99	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	23.9		ug/L		96	56 - 134
1,2-Dibromoethane	25.0	24.0		ug/L		96	77 - 120
1,2-Dichlorobenzene	25.0	24.9		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	25.7		ug/L		103	75 - 120
1,2-Dichloropropane	25.0	26.2		ug/L		105	76 - 120
1,3,5-Trimethylbenzene	25.0	25.4		ug/L		101	77 - 121
1,3-Dichlorobenzene	25.0	26.7		ug/L		107	77 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-434138/5
Matrix: Water
Analysis Batch: 434138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	25.0	25.0		ug/L		100	75 - 120
1,4-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 120
2,2-Dichloropropane	25.0	28.6		ug/L		114	63 - 136
2-Butanone (MEK)	125	136		ug/L		109	57 - 140
2-Chloroethyl vinyl ether	25.0	23.9		ug/L		96	70 - 129
2-Hexanone	125	110		ug/L		88	65 - 127
4-Methyl-2-pentanone (MIBK)	125	118		ug/L		94	71 - 125
Acetone	125	135		ug/L		108	56 - 142
Benzene	25.0	25.4		ug/L		102	71 - 124
Bromobenzene	25.0	23.9		ug/L		96	78 - 120
Bromochloromethane	25.0	27.1		ug/L		108	72 - 130
Bromodichloromethane	25.0	24.8		ug/L		99	80 - 122
Bromoform	25.0	23.2		ug/L		93	61 - 132
Bromomethane	25.0	19.2		ug/L		77	55 - 144
Carbon disulfide	25.0	24.9		ug/L		100	59 - 134
Carbon tetrachloride	25.0	28.0		ug/L		112	72 - 134
Chlorobenzene	25.0	24.7		ug/L		99	80 - 120
Chlorodibromomethane	25.0	24.4		ug/L		97	75 - 125
Chloroethane	25.0	20.1		ug/L		81	69 - 136
Chloroform	25.0	25.6		ug/L		102	73 - 127
Chloromethane	25.0	21.3		ug/L		85	68 - 124
cis-1,2-Dichloroethene	25.0	26.7		ug/L		107	74 - 124
cis-1,3-Dichloropropene	25.0	25.4		ug/L		102	74 - 124
Dichlorodifluoromethane	25.0	23.8		ug/L		95	59 - 135
Ethylbenzene	25.0	25.2		ug/L		101	77 - 123
Hexachlorobutadiene	25.0	18.9		ug/L		76	68 - 131
Isopropylbenzene	25.0	26.0		ug/L		104	77 - 122
Methyl tert-butyl ether	25.0	24.4		ug/L		97	77 - 120
Methylene Chloride	25.0	26.2		ug/L		105	75 - 124
m-Xylene & p-Xylene	25.0	25.8		ug/L		103	76 - 122
Naphthalene	25.0	22.9		ug/L		92	66 - 125
n-Butylbenzene	25.0	25.0		ug/L		100	71 - 128
N-Propylbenzene	25.0	25.1		ug/L		100	75 - 127
o-Chlorotoluene	25.0	26.1		ug/L		105	76 - 121
o-Xylene	25.0	24.3		ug/L		97	76 - 122
p-Chlorotoluene	25.0	24.8		ug/L		99	77 - 121
p-Cymene	25.0	26.4		ug/L		106	73 - 120
sec-Butylbenzene	25.0	26.2		ug/L		105	74 - 127
Styrene	25.0	24.8		ug/L		99	80 - 120
tert-Butylbenzene	25.0	27.3		ug/L		109	75 - 123
Tetrachloroethene	25.0	26.1		ug/L		104	74 - 122
Toluene	25.0	24.2		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	25.0		ug/L		100	73 - 127
trans-1,3-Dichloropropene	25.0	23.5		ug/L		94	80 - 120
Trichloroethene	25.0	27.0		ug/L		108	74 - 123
Trichlorofluoromethane	25.0	24.2		ug/L		97	62 - 150
Vinyl acetate	50.0	60.0		ug/L		120	50 - 144
Vinyl chloride	25.0	22.2		ug/L		89	65 - 133

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-434138/5
Matrix: Water
Analysis Batch: 434138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 480-141622-6 MS
Matrix: Water
Analysis Batch: 434138

Client Sample ID: OW-22B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		500	532		ug/L		106	80 - 120
1,1,1-Trichloroethane	ND		500	611		ug/L		122	73 - 126
1,1,2,2-Tetrachloroethane	120		500	629		ug/L		102	76 - 120
1,1,2-Trichloroethane	ND		500	486		ug/L		97	76 - 122
1,1-Dichloroethane	ND		500	562		ug/L		112	77 - 120
1,1-Dichloroethene	ND		500	554		ug/L		111	66 - 127
1,1-Dichloropropene	ND		500	599		ug/L		120	72 - 122
1,2,3-Trichlorobenzene	8.4	J	500	425		ug/L		83	75 - 123
1,2,3-Trichloropropane	ND		500	556		ug/L		111	68 - 122
1,2,4-Trichlorobenzene	22		500	461		ug/L		88	79 - 122
1,2,4-Trimethylbenzene	ND		500	516		ug/L		103	76 - 121
1,2-Dibromo-3-Chloropropane	ND		500	457		ug/L		91	56 - 134
1,2-Dibromoethane	ND		500	499		ug/L		100	77 - 120
1,2-Dichlorobenzene	ND		500	539		ug/L		108	80 - 124
1,2-Dichloroethane	ND		500	562		ug/L		112	75 - 120
1,2-Dichloropropane	ND		500	563		ug/L		113	76 - 120
1,3,5-Trimethylbenzene	ND		500	549		ug/L		110	77 - 121
1,3-Dichlorobenzene	34		500	595		ug/L		112	77 - 120
1,3-Dichloropropane	ND		500	502		ug/L		100	75 - 120
1,4-Dichlorobenzene	33		500	555		ug/L		104	78 - 124
2,2-Dichloropropane	ND		500	559		ug/L		112	63 - 136
2-Butanone (MEK)	ND		2500	2780		ug/L		111	57 - 140
2-Chloroethyl vinyl ether	ND		500	520		ug/L		104	70 - 129
2-Hexanone	ND		2500	2350		ug/L		94	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		2500	2400		ug/L		96	71 - 125
Acetone	ND		2500	2780		ug/L		111	56 - 142
Benzene	ND		500	550		ug/L		110	71 - 124
Bromobenzene	ND		500	524		ug/L		105	78 - 120
Bromochloromethane	ND		500	590		ug/L		118	72 - 130
Bromodichloromethane	ND		500	541		ug/L		108	80 - 122
Bromoform	ND		500	469		ug/L		94	61 - 132
Bromomethane	ND		500	405		ug/L		81	55 - 144
Carbon disulfide	ND		500	525		ug/L		105	59 - 134
Carbon tetrachloride	ND		500	616		ug/L		123	72 - 134
Chlorobenzene	23		500	548		ug/L		105	80 - 120
Chlorodibromomethane	ND		500	508		ug/L		102	75 - 125
Chloroethane	ND		500	409		ug/L		82	69 - 136
Chloroform	16	J	500	545		ug/L		106	73 - 127

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-141622-6 MS
Matrix: Water
Analysis Batch: 434138

Client Sample ID: OW-22B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		500	469		ug/L		94	68 - 124
cis-1,2-Dichloroethene	840		500	1300		ug/L		92	74 - 124
cis-1,3-Dichloropropene	ND		500	528		ug/L		106	74 - 124
Dichlorodifluoromethane	ND		500	479		ug/L		96	59 - 135
Ethylbenzene	ND		500	528		ug/L		106	77 - 123
Hexachlorobutadiene	ND		500	396		ug/L		79	68 - 131
Isopropylbenzene	ND		500	561		ug/L		112	77 - 122
Methyl tert-butyl ether	ND		500	540		ug/L		108	77 - 120
Methylene Chloride	ND		500	548		ug/L		110	75 - 124
m-Xylene & p-Xylene	ND		500	530		ug/L		106	76 - 122
Naphthalene	ND		500	476		ug/L		95	66 - 125
n-Butylbenzene	ND		500	524		ug/L		105	71 - 128
N-Propylbenzene	ND		500	531		ug/L		106	75 - 127
o-Chlorotoluene	ND		500	553		ug/L		111	76 - 121
o-Xylene	ND		500	510		ug/L		102	76 - 122
p-Chlorotoluene	ND		500	520		ug/L		104	77 - 121
p-Cymene	ND		500	555		ug/L		111	73 - 120
sec-Butylbenzene	ND		500	574		ug/L		115	74 - 127
Styrene	ND		500	527		ug/L		105	80 - 120
tert-Butylbenzene	ND		500	576		ug/L		115	75 - 123
Tetrachloroethene	600		500	1070		ug/L		93	74 - 122
Toluene	ND		500	506		ug/L		101	80 - 122
trans-1,2-Dichloroethene	20		500	610		ug/L		118	73 - 127
trans-1,3-Dichloropropene	ND		500	497		ug/L		99	80 - 120
Trichloroethene	1600	F1	500	1940		ug/L		75	74 - 123
Trichlorofluoromethane	ND		500	544		ug/L		109	62 - 150
Vinyl acetate	ND		1000	1090		ug/L		109	50 - 144
Vinyl chloride	ND		500	488		ug/L		98	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*
Dibromofluoromethane (Surr)	*110*		*75 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 480-141622-6 MSD
Matrix: Water
Analysis Batch: 434138

Client Sample ID: OW-22B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		500	521		ug/L		104	80 - 120	2	20
1,1,1-Trichloroethane	ND		500	576		ug/L		115	73 - 126	6	15
1,1,2,2-Tetrachloroethane	120		500	615		ug/L		99	76 - 120	2	15
1,1,2-Trichloroethane	ND		500	503		ug/L		101	76 - 122	3	15
1,1-Dichloroethane	ND		500	539		ug/L		108	77 - 120	4	20
1,1-Dichloroethene	ND		500	547		ug/L		109	66 - 127	1	16
1,1-Dichloropropene	ND		500	576		ug/L		115	72 - 122	4	20
1,2,3-Trichlorobenzene	8.4	J	500	447		ug/L		88	75 - 123	5	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-141622-6 MSD
Matrix: Water
Analysis Batch: 434138

Client Sample ID: OW-22B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3-Trichloropropane	ND		500	568		ug/L		114	68 - 122	2	14
1,2,4-Trichlorobenzene	22		500	462		ug/L		88	79 - 122	0	20
1,2,4-Trimethylbenzene	ND		500	511		ug/L		102	76 - 121	1	20
1,2-Dibromo-3-Chloropropane	ND		500	477		ug/L		95	56 - 134	4	15
1,2-Dibromoethane	ND		500	507		ug/L		101	77 - 120	1	15
1,2-Dichlorobenzene	ND		500	548		ug/L		110	80 - 124	2	20
1,2-Dichloroethane	ND		500	543		ug/L		109	75 - 120	3	20
1,2-Dichloropropane	ND		500	530		ug/L		106	76 - 120	6	20
1,3,5-Trimethylbenzene	ND		500	529		ug/L		106	77 - 121	4	20
1,3-Dichlorobenzene	34		500	578		ug/L		109	77 - 120	3	20
1,3-Dichloropropane	ND		500	495		ug/L		99	75 - 120	1	20
1,4-Dichlorobenzene	33		500	550		ug/L		103	78 - 124	1	20
2,2-Dichloropropane	ND		500	530		ug/L		106	63 - 136	5	20
2-Butanone (MEK)	ND		2500	2870		ug/L		115	57 - 140	3	20
2-Chloroethyl vinyl ether	ND		500	512		ug/L		102	70 - 129	2	20
2-Hexanone	ND		2500	2440		ug/L		98	65 - 127	4	15
4-Methyl-2-pentanone (MIBK)	ND		2500	2480		ug/L		99	71 - 125	3	35
Acetone	ND		2500	3040		ug/L		121	56 - 142	9	15
Benzene	ND		500	541		ug/L		108	71 - 124	2	13
Bromobenzene	ND		500	504		ug/L		101	78 - 120	4	15
Bromochloromethane	ND		500	579		ug/L		116	72 - 130	2	15
Bromodichloromethane	ND		500	510		ug/L		102	80 - 122	6	15
Bromoform	ND		500	482		ug/L		96	61 - 132	3	15
Bromomethane	ND		500	409		ug/L		82	55 - 144	1	15
Carbon disulfide	ND		500	496		ug/L		99	59 - 134	6	15
Carbon tetrachloride	ND		500	580		ug/L		116	72 - 134	6	15
Chlorobenzene	23		500	534		ug/L		102	80 - 120	3	25
Chlorodibromomethane	ND		500	478		ug/L		96	75 - 125	6	15
Chloroethane	ND		500	397		ug/L		79	69 - 136	3	15
Chloroform	16	J	500	539		ug/L		104	73 - 127	1	20
Chloromethane	ND		500	450		ug/L		90	68 - 124	4	15
cis-1,2-Dichloroethene	840		500	1240		ug/L		78	74 - 124	5	15
cis-1,3-Dichloropropene	ND		500	528		ug/L		106	74 - 124	0	15
Dichlorodifluoromethane	ND		500	497		ug/L		99	59 - 135	4	20
Ethylbenzene	ND		500	516		ug/L		103	77 - 123	2	15
Hexachlorobutadiene	ND		500	395		ug/L		79	68 - 131	0	20
Isopropylbenzene	ND		500	543		ug/L		109	77 - 122	3	20
Methyl tert-butyl ether	ND		500	541		ug/L		108	77 - 120	0	37
Methylene Chloride	ND		500	522		ug/L		104	75 - 124	5	15
m-Xylene & p-Xylene	ND		500	530		ug/L		106	76 - 122	0	16
Naphthalene	ND		500	495		ug/L		99	66 - 125	4	20
n-Butylbenzene	ND		500	519		ug/L		104	71 - 128	1	15
N-Propylbenzene	ND		500	525		ug/L		105	75 - 127	1	15
o-Chlorotoluene	ND		500	529		ug/L		106	76 - 121	5	20
o-Xylene	ND		500	513		ug/L		103	76 - 122	1	16
p-Chlorotoluene	ND		500	521		ug/L		104	77 - 121	0	15
p-Cymene	ND		500	544		ug/L		109	73 - 120	2	20
sec-Butylbenzene	ND		500	548		ug/L		110	74 - 127	5	15

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-141622-6 MSD
Matrix: Water
Analysis Batch: 434138

Client Sample ID: OW-22B
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene	ND		500	518		ug/L		104	80 - 120	2	20
tert-Butylbenzene	ND		500	565		ug/L		113	75 - 123	2	15
Tetrachloroethene	600		500	1010		ug/L		81	74 - 122	6	20
Toluene	ND		500	495		ug/L		99	80 - 122	2	15
trans-1,2-Dichloroethene	20		500	577		ug/L		111	73 - 127	6	20
trans-1,3-Dichloropropene	ND		500	496		ug/L		99	80 - 120	0	15
Trichloroethene	1600	F1	500	1820	F1	ug/L		50	74 - 123	7	16
Trichlorofluoromethane	ND		500	514		ug/L		103	62 - 150	6	20
Vinyl acetate	ND		1000	1080		ug/L		108	50 - 144	1	23
Vinyl chloride	ND		500	480		ug/L		96	65 - 133	1	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*111*		*75 - 123*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 480-434148/7
Matrix: Water
Analysis Batch: 434148

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/13/18 10:27	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/13/18 10:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/13/18 10:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/13/18 10:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/13/18 10:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/13/18 10:27	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/13/18 10:27	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/13/18 10:27	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/13/18 10:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/13/18 10:27	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/13/18 10:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/13/18 10:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/13/18 10:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/13/18 10:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/13/18 10:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/13/18 10:27	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/13/18 10:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/13/18 10:27	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/13/18 10:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/13/18 10:27	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/13/18 10:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/13/18 10:27	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/13/18 10:27	1
2-Hexanone	ND		5.0	1.2	ug/L			09/13/18 10:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/13/18 10:27	1
Acetone	ND		10	3.0	ug/L			09/13/18 10:27	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-434148/7
Matrix: Water
Analysis Batch: 434148

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			09/13/18 10:27	1
Bromobenzene	ND		1.0	0.80	ug/L			09/13/18 10:27	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/13/18 10:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/13/18 10:27	1
Bromoform	ND		1.0	0.26	ug/L			09/13/18 10:27	1
Bromomethane	ND		1.0	0.69	ug/L			09/13/18 10:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/13/18 10:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/13/18 10:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/13/18 10:27	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/13/18 10:27	1
Chloroethane	ND		1.0	0.32	ug/L			09/13/18 10:27	1
Chloroform	ND		1.0	0.34	ug/L			09/13/18 10:27	1
Chloromethane	ND		1.0	0.35	ug/L			09/13/18 10:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/13/18 10:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/13/18 10:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/13/18 10:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/13/18 10:27	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			09/13/18 10:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/13/18 10:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/13/18 10:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/13/18 10:27	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/13/18 10:27	1
Naphthalene	ND		1.0	0.43	ug/L			09/13/18 10:27	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/13/18 10:27	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/13/18 10:27	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/13/18 10:27	1
o-Xylene	ND		1.0	0.76	ug/L			09/13/18 10:27	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/13/18 10:27	1
p-Cymene	ND		1.0	0.31	ug/L			09/13/18 10:27	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/13/18 10:27	1
Styrene	ND		1.0	0.73	ug/L			09/13/18 10:27	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/13/18 10:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/13/18 10:27	1
Toluene	ND		1.0	0.51	ug/L			09/13/18 10:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/13/18 10:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/13/18 10:27	1
Trichloroethene	ND		1.0	0.46	ug/L			09/13/18 10:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/13/18 10:27	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/13/18 10:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/13/18 10:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/13/18 10:27*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*09/13/18 10:27*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/13/18 10:27*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/13/18 10:27*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-434148/5
Matrix: Water
Analysis Batch: 434148

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	23.2		ug/L		93	80 - 120
1,1,1-Trichloroethane	25.0	25.0		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.6		ug/L		94	76 - 120
1,1,2-Trichloroethane	25.0	22.9		ug/L		91	76 - 122
1,1-Dichloroethane	25.0	24.4		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	20.8		ug/L		83	66 - 127
1,1-Dichloropropene	25.0	23.9		ug/L		96	72 - 122
1,2,3-Trichlorobenzene	25.0	19.2		ug/L		77	75 - 123
1,2,3-Trichloropropane	25.0	26.5		ug/L		106	68 - 122
1,2,4-Trichlorobenzene	25.0	20.0		ug/L		80	79 - 122
1,2,4-Trimethylbenzene	25.0	22.7		ug/L		91	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	22.4		ug/L		90	56 - 134
1,2-Dibromoethane	25.0	23.2		ug/L		93	77 - 120
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	25.1		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	24.2		ug/L		97	76 - 120
1,3,5-Trimethylbenzene	25.0	23.3		ug/L		93	77 - 121
1,3-Dichlorobenzene	25.0	24.9		ug/L		100	77 - 120
1,3-Dichloropropane	25.0	23.0		ug/L		92	75 - 120
1,4-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 120
2,2-Dichloropropane	25.0	25.5		ug/L		102	63 - 136
2-Butanone (MEK)	125	128		ug/L		103	57 - 140
2-Chloroethyl vinyl ether	25.0	24.3		ug/L		97	70 - 129
2-Hexanone	125	109		ug/L		87	65 - 127
4-Methyl-2-pentanone (MIBK)	125	113		ug/L		90	71 - 125
Acetone	125	116		ug/L		92	56 - 142
Benzene	25.0	23.2		ug/L		93	71 - 124
Bromobenzene	25.0	23.5		ug/L		94	78 - 120
Bromochloromethane	25.0	27.1		ug/L		108	72 - 130
Bromodichloromethane	25.0	23.9		ug/L		96	80 - 122
Bromoform	25.0	22.7		ug/L		91	61 - 132
Bromomethane	25.0	18.0		ug/L		72	55 - 144
Carbon disulfide	25.0	18.5		ug/L		74	59 - 134
Carbon tetrachloride	25.0	23.5		ug/L		94	72 - 134
Chlorobenzene	25.0	23.3		ug/L		93	80 - 120
Chlorodibromomethane	25.0	23.8		ug/L		95	75 - 125
Chloroethane	25.0	18.4		ug/L		74	69 - 136
Chloroform	25.0	23.4		ug/L		94	73 - 127
Chloromethane	25.0	20.7		ug/L		83	68 - 124
cis-1,2-Dichloroethene	25.0	23.9		ug/L		96	74 - 124
cis-1,3-Dichloropropene	25.0	24.6		ug/L		99	74 - 124
Dichlorodifluoromethane	25.0	20.6		ug/L		82	59 - 135
Ethylbenzene	25.0	22.4		ug/L		90	77 - 123
Hexachlorobutadiene	25.0	17.6		ug/L		70	68 - 131
Isopropylbenzene	25.0	23.3		ug/L		93	77 - 122
Methyl tert-butyl ether	25.0	24.1		ug/L		97	77 - 120
Methylene Chloride	25.0	23.6		ug/L		94	75 - 124
m-Xylene & p-Xylene	25.0	22.7		ug/L		91	76 - 122

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-434148/5
Matrix: Water
Analysis Batch: 434148

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	25.0	22.5		ug/L		90	66 - 125
n-Butylbenzene	25.0	22.9		ug/L		91	71 - 128
N-Propylbenzene	25.0	23.0		ug/L		92	75 - 127
o-Chlorotoluene	25.0	24.7		ug/L		99	76 - 121
o-Xylene	25.0	21.5		ug/L		86	76 - 122
p-Chlorotoluene	25.0	23.6		ug/L		94	77 - 121
p-Cymene	25.0	24.4		ug/L		98	73 - 120
sec-Butylbenzene	25.0	23.8		ug/L		95	74 - 127
Styrene	25.0	23.0		ug/L		92	80 - 120
tert-Butylbenzene	25.0	24.6		ug/L		99	75 - 123
Tetrachloroethene	25.0	22.2		ug/L		89	74 - 122
Toluene	25.0	21.3		ug/L		85	80 - 122
trans-1,2-Dichloroethene	25.0	23.1		ug/L		92	73 - 127
trans-1,3-Dichloropropene	25.0	22.2		ug/L		89	80 - 120
Trichloroethene	25.0	25.0		ug/L		100	74 - 123
Trichlorofluoromethane	25.0	23.1		ug/L		93	62 - 150
Vinyl acetate	50.0	54.8		ug/L		110	50 - 144
Vinyl chloride	25.0	20.4		ug/L		82	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*
Toluene-d8 (Surr)	*95*		*80 - 120*

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

GC/MS VOA

Analysis Batch: 434138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141622-1	TB-03	Total/NA	Water	8260C	
480-141622-2	OW-8B	Total/NA	Water	8260C	
480-141622-3	OW-115B	Total/NA	Water	8260C	
480-141622-4	OW-5B	Total/NA	Water	8260C	
480-141622-5	OW-22A	Total/NA	Water	8260C	
480-141622-6	OW-22B	Total/NA	Water	8260C	
480-141622-7	OW-15B	Total/NA	Water	8260C	
480-141622-8	OW-14B	Total/NA	Water	8260C	
480-141622-9	OW-6B	Total/NA	Water	8260C	
480-141622-10	OW-7B	Total/NA	Water	8260C	
MB 480-434138/7	Method Blank	Total/NA	Water	8260C	
LCS 480-434138/5	Lab Control Sample	Total/NA	Water	8260C	
480-141622-6 MS	OW-22B	Total/NA	Water	8260C	
480-141622-6 MSD	OW-22B	Total/NA	Water	8260C	

Analysis Batch: 434148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141622-4 - DL	OW-5B	Total/NA	Water	8260C	
480-141622-7 - DL	OW-15B	Total/NA	Water	8260C	
480-141622-9 - DL	OW-6B	Total/NA	Water	8260C	
MB 480-434148/7	Method Blank	Total/NA	Water	8260C	
LCS 480-434148/5	Lab Control Sample	Total/NA	Water	8260C	

Client Sample ID: TB-03 — **Lab Sample ID: 480-141622-1**
Date Collected: 09/12/18 00:00 — **Matrix: Water**
Date Received: 09/12/18 15:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	434138	09/13/18 02:41	AMM	TAL BUF

Client Sample ID: OW-8B — **Lab Sample ID: 480-141622-2**
Date Collected: 09/12/18 13:30 — **Matrix: Water**
Date Received: 09/12/18 15:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	434138	09/13/18 03:09	AMM	TAL BUF

Client Sample ID: OW-115B — **Lab Sample ID: 480-141622-3**
Date Collected: 09/12/18 10:11 — **Matrix: Water**
Date Received: 09/12/18 15:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		80	434138	09/13/18 03:37	AMM	TAL BUF

Client Sample ID: OW-5B — **Lab Sample ID: 480-141622-4**
Date Collected: 09/12/18 11:11 — **Matrix: Water**
Date Received: 09/12/18 15:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		80	434138	09/13/18 04:05	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	125	434148	09/13/18 11:32	RLB	TAL BUF

Client Sample ID: OW-22A — **Lab Sample ID: 480-141622-5**
Date Collected: 09/12/18 11:28 — **Matrix: Water**
Date Received: 09/12/18 15:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	434138	09/13/18 04:33	AMM	TAL BUF

Client Sample ID: OW-22B — **Lab Sample ID: 480-141622-6**
Date Collected: 09/12/18 11:32 — **Matrix: Water**
Date Received: 09/12/18 15:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	434138	09/13/18 05:01	AMM	TAL BUF

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

Client Sample ID: OW-15B

Lab Sample ID: 480-141622-7

Date Collected: 09/12/18 12:22
Matrix: Water
Date Received: 09/12/18 15:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	434138	09/13/18 05:29	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	100	434148	09/13/18 12:00	RLB	TAL BUF

Client Sample ID: OW-14B

Lab Sample ID: 480-141622-8

Date Collected: 09/12/18 12:55
Matrix: Water
Date Received: 09/12/18 15:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	434138	09/13/18 05:57	AMM	TAL BUF

Client Sample ID: OW-6B

Lab Sample ID: 480-141622-9

Date Collected: 09/12/18 13:08
Matrix: Water
Date Received: 09/12/18 15:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	434138	09/13/18 06:25	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	100	434148	09/13/18 12:28	RLB	TAL BUF

Client Sample ID: OW-7B

Lab Sample ID: 480-141622-10

Date Collected: 09/12/18 13:15
Matrix: Water
Date Received: 09/12/18 15:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	434138	09/13/18 06:53	AMM	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-19

Method Summary

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141622-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-141622-1	TB-03	Water	09/12/18 00:00	09/12/18 15:12
480-141622-2	OW-8B	Water	09/12/18 13:30	09/12/18 15:12
480-141622-3	OW-115B	Water	09/12/18 10:11	09/12/18 15:12
480-141622-4	OW-5B	Water	09/12/18 11:11	09/12/18 15:12
480-141622-5	OW-22A	Water	09/12/18 11:28	09/12/18 15:12
480-141622-6	OW-22B	Water	09/12/18 11:32	09/12/18 15:12
480-141622-7	OW-15B	Water	09/12/18 12:22	09/12/18 15:12
480-141622-8	OW-14B	Water	09/12/18 12:55	09/12/18 15:12
480-141622-9	OW-6B	Water	09/12/18 13:08	09/12/18 15:12
480-141622-10	OW-7B	Water	09/12/18 13:15	09/12/18 15:12

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestA

480-141622 COC

Client Information	Sampler: Lauren Hoppe	Lab PM: Deyo, Melissa L	Carrier Tracking No(s): Delivered TO LAB	COC No: 480-117569-2
Client Contact: Harrison Corbett / Project manager: MIKE PLUMB	Phone: 617-429-9790	E-Mail: melissa.deyo@testamericainc.com		Page: Page 4 of 5
Company: TRC Solutions, Inc.				Job #:

Address: Wannalancit Mills 650 Suffolk Street Suite 200	Due Date Requested:	Analysis Requested
City: Lowell	TAT Requested (days): Standard Turnaround 7-DAY Holding Time	
State, Zip: MA, 01854	PO #: 126842	
Phone: ~~978-656(Tel)~~ 978-970-5600	WO #: SEQ#1	
Email: mplumb@trcsolutions.com HCorbett@trcsolutions.com	Project #: 48002700	
Project Name: Solvent Chemical Semi-annual Monitoring	SSOW#:	
Site:		

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - Extended List Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
TB-03 (Trip Blank)	08/28/18		Lab Prep	Water	N	N	X	1	
OW-8B	09/12/18	1330	G	Water	N	N	X	3	
OW-115B		1011	G	Water	N	N	X	3	
OW-5B		1111	G	Water	N	N	X	3	
OW-22A		1128	G	Water	N	N	X	3	
OW-22B		1132	G	Water	N	Y	X	9	MS/MSD
OW-15B		1222	G	Water	N	N	X	3	
OW-14B		1255	G	Water	N	N	X	3	
OW-6B		1308	G	Water	N	N	X	3	
OW-7B		1315	G	Water	N	N	X	3	
				Water					

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Lauren V. Hoppe	09/12/18 1512	TRC		9/12/18 1512	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.3 #1

Ver: 08/04/2016

9/25/2018

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 480-141622-1

Login Number: 141622

List Source: TestAmerica Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	TRC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-141700-1
Client Project/Site: Solvent Chemical Semi-annual Monitoring

For:
TRC Environmental Corporation
Wannalancit Mills
650 Suffolk Street
Lowell, Massachusetts 01854

Attn: Mr. Mike Plumb

Authorized for release by:
9/26/2018 2:36:55 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
E	Result exceeded calibration range.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141700-1

Job ID: 480-141700-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-141700-1

Receipt
The samples were received on 9/13/2018 1:12 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9º C.

GC/MS VOA
Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-434318 recovered outside control limits for the following analyte: Chloroethane. Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. The following samples are impacted: TB-04 (TRIP BLANK) (480-141700-1), MW-5F (480-141700-2), MW-6F (480-141700-3), MW-6B (480-141700-4), OW-29A (480-141700-5), OW-111B (480-141700-6), OW-11B (480-141700-7), OW-10B (480-141700-8), MW-1F (480-141700-9) and OW-18A (480-141700-10).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-434318 recovered above the upper control limit for 2-Butanone (MEK) and Vinyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: TB-04 (TRIP BLANK) (480-141700-1), MW-5F (480-141700-2), MW-6F (480-141700-3), MW-6B (480-141700-4), OW-29A (480-141700-5), OW-111B (480-141700-6), OW-11B (480-141700-7), OW-10B (480-141700-8), MW-1F (480-141700-9) and OW-18A (480-141700-10).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-5F (480-141700-2), MW-6F (480-141700-3), MW-6B (480-141700-4), OW-29A (480-141700-5), OW-111B (480-141700-6), OW-11B (480-141700-7), OW-10B (480-141700-8), MW-1F (480-141700-9), OW-18A (480-141700-10), OW-18A (480-141700-10[MS]) and OW-18A (480-141700-10[MSD]). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Due to the high concentration of 1,4-Dichlorobenzene, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 480-434318 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-434538 recovered above the upper control limit for Vinyl acetate, Carbon tetrachloride, 1,1-Dichloropropene, 1,1,1-Trichloroethane and 2,2-Dichloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: MW-2A (480-141700-11).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-2A (480-141700-11). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141700-1

Client Sample ID: TB-04 (TRIP BLANK) — Lab Sample ID: 480-141700-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	4.2		1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: MW-5F — Lab Sample ID: 480-141700-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	700		100	79	ug/L	100		8260C	Total/NA
1,4-Dichlorobenzene	290		100	84	ug/L	100		8260C	Total/NA
Benzene	140		100	41	ug/L	100		8260C	Total/NA
Chlorobenzene	690		100	75	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene	210		100	81	ug/L	100		8260C	Total/NA
Vinyl chloride	2700		100	90	ug/L	100		8260C	Total/NA

Client Sample ID: MW-6F — Lab Sample ID: 480-141700-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	62	J	200	60	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene	1300		20	16	ug/L	20		8260C	Total/NA
trans-1,2-Dichloroethene	52		20	18	ug/L	20		8260C	Total/NA
Vinyl chloride	1900		20	18	ug/L	20		8260C	Total/NA

Client Sample ID: MW-6B — Lab Sample ID: 480-141700-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	67	J	100	41	ug/L	100		8260C	Total/NA
1,2,4-Trichlorobenzene	370		100	41	ug/L	100		8260C	Total/NA
1,2-Dichlorobenzene	7300		100	79	ug/L	100		8260C	Total/NA
1,3-Dichlorobenzene	2200		100	78	ug/L	100		8260C	Total/NA
1,4-Dichlorobenzene	4800		100	84	ug/L	100		8260C	Total/NA
Benzene	480		100	41	ug/L	100		8260C	Total/NA
Chlorobenzene	3900		100	75	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene	81	J	100	81	ug/L	100		8260C	Total/NA

Client Sample ID: OW-29A — Lab Sample ID: 480-141700-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	240		200	82	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene	810		200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene	12000		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene	2800		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene	7500		200	170	ug/L	200		8260C	Total/NA
Chlorobenzene	11000		200	150	ug/L	200		8260C	Total/NA

Client Sample ID: OW-111B — Lab Sample ID: 480-141700-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	910		500	210	ug/L	500		8260C	Total/NA
1,2,4-Trichlorobenzene	2800		500	210	ug/L	500		8260C	Total/NA
1,2-Dichlorobenzene	24000		500	400	ug/L	500		8260C	Total/NA
1,3-Dichlorobenzene	6600		500	390	ug/L	500		8260C	Total/NA
1,4-Dichlorobenzene	19000		500	420	ug/L	500		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OW-111B (Continued) — Lab Sample ID: 480-141700-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	7900		500	210	ug/L	500		8260C	Total/NA
Chlorobenzene	12000		500	380	ug/L	500		8260C	Total/NA

Client Sample ID: OW-11B — Lab Sample ID: 480-141700-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	980		400	160	ug/L	400		8260C	Total/NA
1,2,4-Trichlorobenzene	3000		400	160	ug/L	400		8260C	Total/NA
1,2-Dichlorobenzene	25000		400	320	ug/L	400		8260C	Total/NA
1,3-Dichlorobenzene	6900		400	310	ug/L	400		8260C	Total/NA
1,4-Dichlorobenzene	20000		400	340	ug/L	400		8260C	Total/NA
Benzene	7800		400	160	ug/L	400		8260C	Total/NA
Chlorobenzene	11000		400	300	ug/L	400		8260C	Total/NA
m-Xylene & p-Xylene	290	J	800	260	ug/L	400		8260C	Total/NA

Client Sample ID: OW-10B — Lab Sample ID: 480-141700-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	350	J	500	210	ug/L	500		8260C	Total/NA
1,2-Dichlorobenzene	10000		500	400	ug/L	500		8260C	Total/NA
1,3-Dichlorobenzene	3200		500	390	ug/L	500		8260C	Total/NA
1,4-Dichlorobenzene	13000		500	420	ug/L	500		8260C	Total/NA
Benzene	2500		500	210	ug/L	500		8260C	Total/NA
Chlorobenzene	30000		500	380	ug/L	500		8260C	Total/NA

Client Sample ID: MW-1F — Lab Sample ID: 480-141700-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	3100		50	45	ug/L	50		8260C	Total/NA

Client Sample ID: OW-18A — Lab Sample ID: 480-141700-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	170	J	200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene	11000	F1	200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene	1900		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene	16000	F1	200	170	ug/L	200		8260C	Total/NA
Benzene	620		200	82	ug/L	200		8260C	Total/NA
Chlorobenzene	10000		200	150	ug/L	200		8260C	Total/NA

Client Sample ID: MW-2A — Lab Sample ID: 480-141700-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	61		50	21	ug/L	50		8260C	Total/NA
1,2,4-Trichlorobenzene	130		50	21	ug/L	50		8260C	Total/NA
1,2-Dichlorobenzene	1800		50	40	ug/L	50		8260C	Total/NA
1,3-Dichlorobenzene	1000		50	39	ug/L	50		8260C	Total/NA
1,4-Dichlorobenzene	3000		50	42	ug/L	50		8260C	Total/NA
Benzene	120		50	21	ug/L	50		8260C	Total/NA
Chlorobenzene	2200		50	38	ug/L	50		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141700-1

Client Sample ID: TB-04 (TRIP BLANK)
Date Collected: 09/13/18 00:00
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/14/18 00:33	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/14/18 00:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/14/18 00:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/14/18 00:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/14/18 00:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/14/18 00:33	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/14/18 00:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/14/18 00:33	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/14/18 00:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/14/18 00:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/14/18 00:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/14/18 00:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/14/18 00:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/14/18 00:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/14/18 00:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/14/18 00:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/14/18 00:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/14/18 00:33	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/14/18 00:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/14/18 00:33	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/14/18 00:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/14/18 00:33	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/14/18 00:33	1
2-Hexanone	ND		5.0	1.2	ug/L			09/14/18 00:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/14/18 00:33	1
Acetone	ND		10	3.0	ug/L			09/14/18 00:33	1
Benzene	ND		1.0	0.41	ug/L			09/14/18 00:33	1
Bromobenzene	ND		1.0	0.80	ug/L			09/14/18 00:33	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/14/18 00:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/14/18 00:33	1
Bromoform	ND		1.0	0.26	ug/L			09/14/18 00:33	1
Bromomethane	ND		1.0	0.69	ug/L			09/14/18 00:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/14/18 00:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/14/18 00:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/14/18 00:33	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/14/18 00:33	1
Chloroethane	ND	*	1.0	0.32	ug/L			09/14/18 00:33	1
Chloroform	**4.2**		1.0	0.34	ug/L			09/14/18 00:33	1
Chloromethane	ND		1.0	0.35	ug/L			09/14/18 00:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/14/18 00:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/14/18 00:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/14/18 00:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/14/18 00:33	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			09/14/18 00:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/14/18 00:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/14/18 00:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/14/18 00:33	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/14/18 00:33	1
Naphthalene	ND		1.0	0.43	ug/L			09/14/18 00:33	1

Client Sample ID: TB-04 (TRIP BLANK)

Lab Sample ID: 480-141700-1

Date Collected: 09/13/18 00:00

Matrix: Water

Date Received: 09/13/18 13:12

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.0	0.64	ug/L			09/14/18 00:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/14/18 00:33	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/14/18 00:33	1
o-Xylene	ND		1.0	0.76	ug/L			09/14/18 00:33	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/14/18 00:33	1
p-Cymene	ND		1.0	0.31	ug/L			09/14/18 00:33	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/14/18 00:33	1
Styrene	ND		1.0	0.73	ug/L			09/14/18 00:33	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/14/18 00:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/14/18 00:33	1
Toluene	ND		1.0	0.51	ug/L			09/14/18 00:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/14/18 00:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/14/18 00:33	1
Trichloroethene	ND		1.0	0.46	ug/L			09/14/18 00:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/14/18 00:33	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/14/18 00:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/14/18 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*09/14/18 00:33*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/14/18 00:33*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*09/14/18 00:33*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/14/18 00:33*	*1*

Client Sample ID: MW-5F

Lab Sample ID: 480-141700-2

Date Collected: 09/13/18 10:46

Matrix: Water

Date Received: 09/13/18 13:12

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	35	ug/L			09/14/18 01:02	100
1,1,1-Trichloroethane	ND		100	82	ug/L			09/14/18 01:02	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			09/14/18 01:02	100
1,1,2-Trichloroethane	ND		100	23	ug/L			09/14/18 01:02	100
1,1-Dichloroethane	ND		100	38	ug/L			09/14/18 01:02	100
1,1-Dichloroethene	ND		100	29	ug/L			09/14/18 01:02	100
1,1-Dichloropropene	ND		100	72	ug/L			09/14/18 01:02	100
1,2,3-Trichlorobenzene	ND		100	41	ug/L			09/14/18 01:02	100
1,2,3-Trichloropropane	ND		100	89	ug/L			09/14/18 01:02	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			09/14/18 01:02	100
1,2,4-Trimethylbenzene	ND		100	75	ug/L			09/14/18 01:02	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			09/14/18 01:02	100
1,2-Dibromoethane	ND		100	73	ug/L			09/14/18 01:02	100
1,2-Dichlorobenzene	**700**		100	79	ug/L			09/14/18 01:02	100
1,2-Dichloroethane	ND		100	21	ug/L			09/14/18 01:02	100
1,2-Dichloropropane	ND		100	72	ug/L			09/14/18 01:02	100
1,3,5-Trimethylbenzene	ND		100	77	ug/L			09/14/18 01:02	100
1,3-Dichlorobenzene	ND		100	78	ug/L			09/14/18 01:02	100
1,3-Dichloropropane	ND		100	75	ug/L			09/14/18 01:02	100
1,4-Dichlorobenzene	**290**		100	84	ug/L			09/14/18 01:02	100

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141700-1

Client Sample ID: MW-5F
Date Collected: 09/13/18 10:46
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		100	40	ug/L			09/14/18 01:02	100
2-Butanone (MEK)	ND		1000	130	ug/L			09/14/18 01:02	100
2-Chloroethyl vinyl ether	ND		500	96	ug/L			09/14/18 01:02	100
2-Hexanone	ND		500	120	ug/L			09/14/18 01:02	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			09/14/18 01:02	100
Acetone	ND		1000	300	ug/L			09/14/18 01:02	100
Benzene	**140**		100	41	ug/L			09/14/18 01:02	100
Bromobenzene	ND		100	80	ug/L			09/14/18 01:02	100
Bromochloromethane	ND		100	87	ug/L			09/14/18 01:02	100
Bromodichloromethane	ND		100	39	ug/L			09/14/18 01:02	100
Bromoform	ND		100	26	ug/L			09/14/18 01:02	100
Bromomethane	ND		100	69	ug/L			09/14/18 01:02	100
Carbon disulfide	ND		100	19	ug/L			09/14/18 01:02	100
Carbon tetrachloride	ND		100	27	ug/L			09/14/18 01:02	100
Chlorobenzene	**690**		100	75	ug/L			09/14/18 01:02	100
Chlorodibromomethane	ND		100	32	ug/L			09/14/18 01:02	100
Chloroethane	ND	*	100	32	ug/L			09/14/18 01:02	100
Chloroform	ND		100	34	ug/L			09/14/18 01:02	100
Chloromethane	ND		100	35	ug/L			09/14/18 01:02	100
cis-1,2-Dichloroethene	**210**		100	81	ug/L			09/14/18 01:02	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			09/14/18 01:02	100
Dichlorodifluoromethane	ND		100	68	ug/L			09/14/18 01:02	100
Ethylbenzene	ND		100	74	ug/L			09/14/18 01:02	100
Hexachlorobutadiene	ND		100	28	ug/L			09/14/18 01:02	100
Isopropylbenzene	ND		100	79	ug/L			09/14/18 01:02	100
Methyl tert-butyl ether	ND		100	16	ug/L			09/14/18 01:02	100
Methylene Chloride	ND		100	44	ug/L			09/14/18 01:02	100
m-Xylene & p-Xylene	ND		200	66	ug/L			09/14/18 01:02	100
Naphthalene	ND		100	43	ug/L			09/14/18 01:02	100
n-Butylbenzene	ND		100	64	ug/L			09/14/18 01:02	100
N-Propylbenzene	ND		100	69	ug/L			09/14/18 01:02	100
o-Chlorotoluene	ND		100	86	ug/L			09/14/18 01:02	100
o-Xylene	ND		100	76	ug/L			09/14/18 01:02	100
p-Chlorotoluene	ND		100	84	ug/L			09/14/18 01:02	100
p-Cymene	ND		100	31	ug/L			09/14/18 01:02	100
sec-Butylbenzene	ND		100	75	ug/L			09/14/18 01:02	100
Styrene	ND		100	73	ug/L			09/14/18 01:02	100
tert-Butylbenzene	ND		100	81	ug/L			09/14/18 01:02	100
Tetrachloroethene	ND		100	36	ug/L			09/14/18 01:02	100
Toluene	ND		100	51	ug/L			09/14/18 01:02	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			09/14/18 01:02	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			09/14/18 01:02	100
Trichloroethene	ND		100	46	ug/L			09/14/18 01:02	100
Trichlorofluoromethane	ND		100	88	ug/L			09/14/18 01:02	100
Vinyl acetate	ND		500	85	ug/L			09/14/18 01:02	100
Vinyl chloride	**2700**		100	90	ug/L			09/14/18 01:02	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*09/14/18 01:02*	*100*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/14/18 01:02*	*100*

Client Sample ID: MW-5F

Lab Sample ID: 480-141700-2

Date Collected: 09/13/18 10:46

Matrix: Water

Date Received: 09/13/18 13:12

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*114*		*75 - 123*		*09/14/18 01:02*	*100*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/14/18 01:02*	*100*

Client Sample ID: MW-6F

Lab Sample ID: 480-141700-3

Date Collected: 09/13/18 10:32

Matrix: Water

Date Received: 09/13/18 13:12

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		20	7.0	ug/L			09/14/18 01:30	20
1,1,1-Trichloroethane	ND		20	16	ug/L			09/14/18 01:30	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			09/14/18 01:30	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			09/14/18 01:30	20
1,1-Dichloroethane	ND		20	7.6	ug/L			09/14/18 01:30	20
1,1-Dichloroethene	ND		20	5.8	ug/L			09/14/18 01:30	20
1,1-Dichloropropene	ND		20	14	ug/L			09/14/18 01:30	20
1,2,3-Trichlorobenzene	ND		20	8.2	ug/L			09/14/18 01:30	20
1,2,3-Trichloropropane	ND		20	18	ug/L			09/14/18 01:30	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			09/14/18 01:30	20
1,2,4-Trimethylbenzene	ND		20	15	ug/L			09/14/18 01:30	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			09/14/18 01:30	20
1,2-Dibromoethane	ND		20	15	ug/L			09/14/18 01:30	20
1,2-Dichlorobenzene	ND		20	16	ug/L			09/14/18 01:30	20
1,2-Dichloroethane	ND		20	4.2	ug/L			09/14/18 01:30	20
1,2-Dichloropropane	ND		20	14	ug/L			09/14/18 01:30	20
1,3,5-Trimethylbenzene	ND		20	15	ug/L			09/14/18 01:30	20
1,3-Dichlorobenzene	ND		20	16	ug/L			09/14/18 01:30	20
1,3-Dichloropropane	ND		20	15	ug/L			09/14/18 01:30	20
1,4-Dichlorobenzene	ND		20	17	ug/L			09/14/18 01:30	20
2,2-Dichloropropane	ND		20	8.0	ug/L			09/14/18 01:30	20
2-Butanone (MEK)	ND		200	26	ug/L			09/14/18 01:30	20
2-Chloroethyl vinyl ether	ND		100	19	ug/L			09/14/18 01:30	20
2-Hexanone	ND		100	25	ug/L			09/14/18 01:30	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			09/14/18 01:30	20
Acetone	**62**	**J**	200	60	ug/L			09/14/18 01:30	20
Benzene	ND		20	8.2	ug/L			09/14/18 01:30	20
Bromobenzene	ND		20	16	ug/L			09/14/18 01:30	20
Bromochloromethane	ND		20	17	ug/L			09/14/18 01:30	20
Bromodichloromethane	ND		20	7.8	ug/L			09/14/18 01:30	20
Bromoform	ND		20	5.2	ug/L			09/14/18 01:30	20
Bromomethane	ND		20	14	ug/L			09/14/18 01:30	20
Carbon disulfide	ND		20	3.8	ug/L			09/14/18 01:30	20
Carbon tetrachloride	ND		20	5.4	ug/L			09/14/18 01:30	20
Chlorobenzene	ND		20	15	ug/L			09/14/18 01:30	20
Chlorodibromomethane	ND		20	6.4	ug/L			09/14/18 01:30	20
Chloroethane	ND	*	20	6.4	ug/L			09/14/18 01:30	20
Chloroform	ND		20	6.8	ug/L			09/14/18 01:30	20
Chloromethane	ND		20	7.0	ug/L			09/14/18 01:30	20
cis-1,2-Dichloroethene	**1300**		20	16	ug/L			09/14/18 01:30	20

Client Sample ID: MW-6F
Date Collected: 09/13/18 10:32
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			09/14/18 01:30	20
Dichlorodifluoromethane	ND		20	14	ug/L			09/14/18 01:30	20
Ethylbenzene	ND		20	15	ug/L			09/14/18 01:30	20
Hexachlorobutadiene	ND		20	5.6	ug/L			09/14/18 01:30	20
Isopropylbenzene	ND		20	16	ug/L			09/14/18 01:30	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			09/14/18 01:30	20
Methylene Chloride	ND		20	8.8	ug/L			09/14/18 01:30	20
m-Xylene & p-Xylene	ND		40	13	ug/L			09/14/18 01:30	20
Naphthalene	ND		20	8.6	ug/L			09/14/18 01:30	20
n-Butylbenzene	ND		20	13	ug/L			09/14/18 01:30	20
N-Propylbenzene	ND		20	14	ug/L			09/14/18 01:30	20
o-Chlorotoluene	ND		20	17	ug/L			09/14/18 01:30	20
o-Xylene	ND		20	15	ug/L			09/14/18 01:30	20
p-Chlorotoluene	ND		20	17	ug/L			09/14/18 01:30	20
p-Cymene	ND		20	6.2	ug/L			09/14/18 01:30	20
sec-Butylbenzene	ND		20	15	ug/L			09/14/18 01:30	20
Styrene	ND		20	15	ug/L			09/14/18 01:30	20
tert-Butylbenzene	ND		20	16	ug/L			09/14/18 01:30	20
Tetrachloroethene	ND		20	7.2	ug/L			09/14/18 01:30	20
Toluene	ND		20	10	ug/L			09/14/18 01:30	20
trans-1,2-Dichloroethene	**52**		20	18	ug/L			09/14/18 01:30	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			09/14/18 01:30	20
Trichloroethene	ND		20	9.2	ug/L			09/14/18 01:30	20
Trichlorofluoromethane	ND		20	18	ug/L			09/14/18 01:30	20
Vinyl acetate	ND		100	17	ug/L			09/14/18 01:30	20
Vinyl chloride	**1900**		20	18	ug/L			09/14/18 01:30	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*09/14/18 01:30*	*20*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*09/14/18 01:30*	*20*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/14/18 01:30*	*20*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/14/18 01:30*	*20*

Client Sample ID: MW-6B
Date Collected: 09/13/18 10:25
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	35	ug/L			09/14/18 01:58	100
1,1,1-Trichloroethane	ND		100	82	ug/L			09/14/18 01:58	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			09/14/18 01:58	100
1,1,2-Trichloroethane	ND		100	23	ug/L			09/14/18 01:58	100
1,1-Dichloroethane	ND		100	38	ug/L			09/14/18 01:58	100
1,1-Dichloroethene	ND		100	29	ug/L			09/14/18 01:58	100
1,1-Dichloropropene	ND		100	72	ug/L			09/14/18 01:58	100
1,2,3-Trichlorobenzene	**67**	**J**	100	41	ug/L			09/14/18 01:58	100
1,2,3-Trichloropropane	ND		100	89	ug/L			09/14/18 01:58	100
1,2,4-Trichlorobenzene	**370**		100	41	ug/L			09/14/18 01:58	100
1,2,4-Trimethylbenzene	ND		100	75	ug/L			09/14/18 01:58	100

Client Sample ID: MW-6B
Date Collected: 09/13/18 10:25
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			09/14/18 01:58	100
1,2-Dibromoethane	ND		100	73	ug/L			09/14/18 01:58	100
1,2-Dichlorobenzene	**7300**		100	79	ug/L			09/14/18 01:58	100
1,2-Dichloroethane	ND		100	21	ug/L			09/14/18 01:58	100
1,2-Dichloropropane	ND		100	72	ug/L			09/14/18 01:58	100
1,3,5-Trimethylbenzene	ND		100	77	ug/L			09/14/18 01:58	100
1,3-Dichlorobenzene	**2200**		100	78	ug/L			09/14/18 01:58	100
1,3-Dichloropropane	ND		100	75	ug/L			09/14/18 01:58	100
1,4-Dichlorobenzene	**4800**		100	84	ug/L			09/14/18 01:58	100
2,2-Dichloropropane	ND		100	40	ug/L			09/14/18 01:58	100
2-Butanone (MEK)	ND		1000	130	ug/L			09/14/18 01:58	100
2-Chloroethyl vinyl ether	ND		500	96	ug/L			09/14/18 01:58	100
2-Hexanone	ND		500	120	ug/L			09/14/18 01:58	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			09/14/18 01:58	100
Acetone	ND		1000	300	ug/L			09/14/18 01:58	100
Benzene	**480**		100	41	ug/L			09/14/18 01:58	100
Bromobenzene	ND		100	80	ug/L			09/14/18 01:58	100
Bromochloromethane	ND		100	87	ug/L			09/14/18 01:58	100
Bromodichloromethane	ND		100	39	ug/L			09/14/18 01:58	100
Bromoform	ND		100	26	ug/L			09/14/18 01:58	100
Bromomethane	ND		100	69	ug/L			09/14/18 01:58	100
Carbon disulfide	ND		100	19	ug/L			09/14/18 01:58	100
Carbon tetrachloride	ND		100	27	ug/L			09/14/18 01:58	100
Chlorobenzene	**3900**		100	75	ug/L			09/14/18 01:58	100
Chlorodibromomethane	ND		100	32	ug/L			09/14/18 01:58	100
Chloroethane	ND	*	100	32	ug/L			09/14/18 01:58	100
Chloroform	ND		100	34	ug/L			09/14/18 01:58	100
Chloromethane	ND		100	35	ug/L			09/14/18 01:58	100
cis-1,2-Dichloroethene	**81**	**J**	100	81	ug/L			09/14/18 01:58	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			09/14/18 01:58	100
Dichlorodifluoromethane	ND		100	68	ug/L			09/14/18 01:58	100
Ethylbenzene	ND		100	74	ug/L			09/14/18 01:58	100
Hexachlorobutadiene	ND		100	28	ug/L			09/14/18 01:58	100
Isopropylbenzene	ND		100	79	ug/L			09/14/18 01:58	100
Methyl tert-butyl ether	ND		100	16	ug/L			09/14/18 01:58	100
Methylene Chloride	ND		100	44	ug/L			09/14/18 01:58	100
m-Xylene & p-Xylene	ND		200	66	ug/L			09/14/18 01:58	100
Naphthalene	ND		100	43	ug/L			09/14/18 01:58	100
n-Butylbenzene	ND		100	64	ug/L			09/14/18 01:58	100
N-Propylbenzene	ND		100	69	ug/L			09/14/18 01:58	100
o-Chlorotoluene	ND		100	86	ug/L			09/14/18 01:58	100
o-Xylene	ND		100	76	ug/L			09/14/18 01:58	100
p-Chlorotoluene	ND		100	84	ug/L			09/14/18 01:58	100
p-Cymene	ND		100	31	ug/L			09/14/18 01:58	100
sec-Butylbenzene	ND		100	75	ug/L			09/14/18 01:58	100
Styrene	ND		100	73	ug/L			09/14/18 01:58	100
tert-Butylbenzene	ND		100	81	ug/L			09/14/18 01:58	100
Tetrachloroethene	ND		100	36	ug/L			09/14/18 01:58	100
Toluene	ND		100	51	ug/L			09/14/18 01:58	100

Client Sample ID: MW-6B
Date Collected: 09/13/18 10:25
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-4
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		100	90	ug/L			09/14/18 01:58	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			09/14/18 01:58	100
Trichloroethene	ND		100	46	ug/L			09/14/18 01:58	100
Trichlorofluoromethane	ND		100	88	ug/L			09/14/18 01:58	100
Vinyl acetate	ND		500	85	ug/L			09/14/18 01:58	100
Vinyl chloride	ND		100	90	ug/L			09/14/18 01:58	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*09/14/18 01:58*	*100*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*09/14/18 01:58*	*100*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*09/14/18 01:58*	*100*
Toluene-d8 (Surr)	*94*		*80 - 120*		*09/14/18 01:58*	*100*

Client Sample ID: OW-29A
Date Collected: 09/13/18 10:18
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200	70	ug/L			09/14/18 02:26	200
1,1,1-Trichloroethane	ND		200	160	ug/L			09/14/18 02:26	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			09/14/18 02:26	200
1,1,2-Trichloroethane	ND		200	46	ug/L			09/14/18 02:26	200
1,1-Dichloroethane	ND		200	76	ug/L			09/14/18 02:26	200
1,1-Dichloroethene	ND		200	58	ug/L			09/14/18 02:26	200
1,1-Dichloropropene	ND		200	140	ug/L			09/14/18 02:26	200
1,2,3-Trichlorobenzene	**240**		200	82	ug/L			09/14/18 02:26	200
1,2,3-Trichloropropane	ND		200	180	ug/L			09/14/18 02:26	200
1,2,4-Trichlorobenzene	**810**		200	82	ug/L			09/14/18 02:26	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			09/14/18 02:26	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			09/14/18 02:26	200
1,2-Dibromoethane	ND		200	150	ug/L			09/14/18 02:26	200
1,2-Dichlorobenzene	**12000**		200	160	ug/L			09/14/18 02:26	200
1,2-Dichloroethane	ND		200	42	ug/L			09/14/18 02:26	200
1,2-Dichloropropane	ND		200	140	ug/L			09/14/18 02:26	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			09/14/18 02:26	200
1,3-Dichlorobenzene	**2800**		200	160	ug/L			09/14/18 02:26	200
1,3-Dichloropropane	ND		200	150	ug/L			09/14/18 02:26	200
1,4-Dichlorobenzene	**7500**		200	170	ug/L			09/14/18 02:26	200
2,2-Dichloropropane	ND		200	80	ug/L			09/14/18 02:26	200
2-Butanone (MEK)	ND		2000	260	ug/L			09/14/18 02:26	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			09/14/18 02:26	200
2-Hexanone	ND		1000	250	ug/L			09/14/18 02:26	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			09/14/18 02:26	200
Acetone	ND		2000	600	ug/L			09/14/18 02:26	200
Benzene	ND		200	82	ug/L			09/14/18 02:26	200
Bromobenzene	ND		200	160	ug/L			09/14/18 02:26	200
Bromochloromethane	ND		200	170	ug/L			09/14/18 02:26	200
Bromodichloromethane	ND		200	78	ug/L			09/14/18 02:26	200
Bromoform	ND		200	52	ug/L			09/14/18 02:26	200

Client Sample ID: OW-29A
Date Collected: 09/13/18 10:18
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		200	140	ug/L			09/14/18 02:26	200
Carbon disulfide	ND		200	38	ug/L			09/14/18 02:26	200
Carbon tetrachloride	ND		200	54	ug/L			09/14/18 02:26	200
Chlorobenzene	**11000**		200	150	ug/L			09/14/18 02:26	200
Chlorodibromomethane	ND		200	64	ug/L			09/14/18 02:26	200
Chloroethane	ND	*	200	64	ug/L			09/14/18 02:26	200
Chloroform	ND		200	68	ug/L			09/14/18 02:26	200
Chloromethane	ND		200	70	ug/L			09/14/18 02:26	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			09/14/18 02:26	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			09/14/18 02:26	200
Dichlorodifluoromethane	ND		200	140	ug/L			09/14/18 02:26	200
Ethylbenzene	ND		200	150	ug/L			09/14/18 02:26	200
Hexachlorobutadiene	ND		200	56	ug/L			09/14/18 02:26	200
Isopropylbenzene	ND		200	160	ug/L			09/14/18 02:26	200
Methyl tert-butyl ether	ND		200	32	ug/L			09/14/18 02:26	200
Methylene Chloride	ND		200	88	ug/L			09/14/18 02:26	200
m-Xylene & p-Xylene	ND		400	130	ug/L			09/14/18 02:26	200
Naphthalene	ND		200	86	ug/L			09/14/18 02:26	200
n-Butylbenzene	ND		200	130	ug/L			09/14/18 02:26	200
N-Propylbenzene	ND		200	140	ug/L			09/14/18 02:26	200
o-Chlorotoluene	ND		200	170	ug/L			09/14/18 02:26	200
o-Xylene	ND		200	150	ug/L			09/14/18 02:26	200
p-Chlorotoluene	ND		200	170	ug/L			09/14/18 02:26	200
p-Cymene	ND		200	62	ug/L			09/14/18 02:26	200
sec-Butylbenzene	ND		200	150	ug/L			09/14/18 02:26	200
Styrene	ND		200	150	ug/L			09/14/18 02:26	200
tert-Butylbenzene	ND		200	160	ug/L			09/14/18 02:26	200
Tetrachloroethene	ND		200	72	ug/L			09/14/18 02:26	200
Toluene	ND		200	100	ug/L			09/14/18 02:26	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			09/14/18 02:26	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			09/14/18 02:26	200
Trichloroethene	ND		200	92	ug/L			09/14/18 02:26	200
Trichlorofluoromethane	ND		200	180	ug/L			09/14/18 02:26	200
Vinyl acetate	ND		1000	170	ug/L			09/14/18 02:26	200
Vinyl chloride	ND		200	180	ug/L			09/14/18 02:26	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*09/14/18 02:26*	*200*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*09/14/18 02:26*	*200*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*09/14/18 02:26*	*200*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/14/18 02:26*	*200*

Client Sample ID: OW-111B
Date Collected: 09/13/18 09:05
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		500	180	ug/L			09/14/18 02:54	500
1,1,1-Trichloroethane	ND		500	410	ug/L			09/14/18 02:54	500

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141700-1

Client Sample ID: OW-111B
Date Collected: 09/13/18 09:05
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-6
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		500	110	ug/L			09/14/18 02:54	500
1,1,2-Trichloroethane	ND		500	120	ug/L			09/14/18 02:54	500
1,1-Dichloroethane	ND		500	190	ug/L			09/14/18 02:54	500
1,1-Dichloroethene	ND		500	150	ug/L			09/14/18 02:54	500
1,1-Dichloropropene	ND		500	360	ug/L			09/14/18 02:54	500
1,2,3-Trichlorobenzene	**910**		500	210	ug/L			09/14/18 02:54	500
1,2,3-Trichloropropane	ND		500	450	ug/L			09/14/18 02:54	500
1,2,4-Trichlorobenzene	**2800**		500	210	ug/L			09/14/18 02:54	500
1,2,4-Trimethylbenzene	ND		500	380	ug/L			09/14/18 02:54	500
1,2-Dibromo-3-Chloropropane	ND		500	200	ug/L			09/14/18 02:54	500
1,2-Dibromoethane	ND		500	370	ug/L			09/14/18 02:54	500
1,2-Dichlorobenzene	**24000**		500	400	ug/L			09/14/18 02:54	500
1,2-Dichloroethane	ND		500	110	ug/L			09/14/18 02:54	500
1,2-Dichloropropane	ND		500	360	ug/L			09/14/18 02:54	500
1,3,5-Trimethylbenzene	ND		500	390	ug/L			09/14/18 02:54	500
1,3-Dichlorobenzene	**6600**		500	390	ug/L			09/14/18 02:54	500
1,3-Dichloropropane	ND		500	380	ug/L			09/14/18 02:54	500
1,4-Dichlorobenzene	**19000**		500	420	ug/L			09/14/18 02:54	500
2,2-Dichloropropane	ND		500	200	ug/L			09/14/18 02:54	500
2-Butanone (MEK)	ND		5000	660	ug/L			09/14/18 02:54	500
2-Chloroethyl vinyl ether	ND		2500	480	ug/L			09/14/18 02:54	500
2-Hexanone	ND		2500	620	ug/L			09/14/18 02:54	500
4-Methyl-2-pentanone (MIBK)	ND		2500	1100	ug/L			09/14/18 02:54	500
Acetone	ND		5000	1500	ug/L			09/14/18 02:54	500
Benzene	**7900**		500	210	ug/L			09/14/18 02:54	500
Bromobenzene	ND		500	400	ug/L			09/14/18 02:54	500
Bromochloromethane	ND		500	440	ug/L			09/14/18 02:54	500
Bromodichloromethane	ND		500	200	ug/L			09/14/18 02:54	500
Bromoform	ND		500	130	ug/L			09/14/18 02:54	500
Bromomethane	ND		500	350	ug/L			09/14/18 02:54	500
Carbon disulfide	ND		500	95	ug/L			09/14/18 02:54	500
Carbon tetrachloride	ND		500	140	ug/L			09/14/18 02:54	500
Chlorobenzene	**12000**		500	380	ug/L			09/14/18 02:54	500
Chlorodibromomethane	ND		500	160	ug/L			09/14/18 02:54	500
Chloroethane	ND	*	500	160	ug/L			09/14/18 02:54	500
Chloroform	ND		500	170	ug/L			09/14/18 02:54	500
Chloromethane	ND		500	180	ug/L			09/14/18 02:54	500
cis-1,2-Dichloroethene	ND		500	410	ug/L			09/14/18 02:54	500
cis-1,3-Dichloropropene	ND		500	180	ug/L			09/14/18 02:54	500
Dichlorodifluoromethane	ND		500	340	ug/L			09/14/18 02:54	500
Ethylbenzene	ND		500	370	ug/L			09/14/18 02:54	500
Hexachlorobutadiene	ND		500	140	ug/L			09/14/18 02:54	500
Isopropylbenzene	ND		500	400	ug/L			09/14/18 02:54	500
Methyl tert-butyl ether	ND		500	80	ug/L			09/14/18 02:54	500
Methylene Chloride	ND		500	220	ug/L			09/14/18 02:54	500
m-Xylene & p-Xylene	ND		1000	330	ug/L			09/14/18 02:54	500
Naphthalene	ND		500	220	ug/L			09/14/18 02:54	500
n-Butylbenzene	ND		500	320	ug/L			09/14/18 02:54	500
N-Propylbenzene	ND		500	350	ug/L			09/14/18 02:54	500

Client Sample ID: OW-111B

Lab Sample ID: 480-141700-6

Date Collected: 09/13/18 09:05

Matrix: Water

Date Received: 09/13/18 13:12

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Chlorotoluene	ND		500	430	ug/L			09/14/18 02:54	500
o-Xylene	ND		500	380	ug/L			09/14/18 02:54	500
p-Chlorotoluene	ND		500	420	ug/L			09/14/18 02:54	500
p-Cymene	ND		500	160	ug/L			09/14/18 02:54	500
sec-Butylbenzene	ND		500	380	ug/L			09/14/18 02:54	500
Styrene	ND		500	370	ug/L			09/14/18 02:54	500
tert-Butylbenzene	ND		500	410	ug/L			09/14/18 02:54	500
Tetrachloroethene	ND		500	180	ug/L			09/14/18 02:54	500
Toluene	ND		500	260	ug/L			09/14/18 02:54	500
trans-1,2-Dichloroethene	ND		500	450	ug/L			09/14/18 02:54	500
trans-1,3-Dichloropropene	ND		500	190	ug/L			09/14/18 02:54	500
Trichloroethene	ND		500	230	ug/L			09/14/18 02:54	500
Trichlorofluoromethane	ND		500	440	ug/L			09/14/18 02:54	500
Vinyl acetate	ND		2500	430	ug/L			09/14/18 02:54	500
Vinyl chloride	ND		500	450	ug/L			09/14/18 02:54	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*09/14/18 02:54*	*500*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/14/18 02:54*	*500*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*09/14/18 02:54*	*500*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/14/18 02:54*	*500*

Client Sample ID: OW-11B

Lab Sample ID: 480-141700-7

Date Collected: 09/13/18 10:05

Matrix: Water

Date Received: 09/13/18 13:12

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		400	140	ug/L			09/14/18 03:22	400
1,1,1-Trichloroethane	ND		400	330	ug/L			09/14/18 03:22	400
1,1,2,2-Tetrachloroethane	ND		400	84	ug/L			09/14/18 03:22	400
1,1,2-Trichloroethane	ND		400	92	ug/L			09/14/18 03:22	400
1,1-Dichloroethane	ND		400	150	ug/L			09/14/18 03:22	400
1,1-Dichloroethene	ND		400	120	ug/L			09/14/18 03:22	400
1,1-Dichloropropene	ND		400	290	ug/L			09/14/18 03:22	400
1,2,3-Trichlorobenzene	**980**		400	160	ug/L			09/14/18 03:22	400
1,2,3-Trichloropropane	ND		400	360	ug/L			09/14/18 03:22	400
1,2,4-Trichlorobenzene	**3000**		400	160	ug/L			09/14/18 03:22	400
1,2,4-Trimethylbenzene	ND		400	300	ug/L			09/14/18 03:22	400
1,2-Dibromo-3-Chloropropane	ND		400	160	ug/L			09/14/18 03:22	400
1,2-Dibromoethane	ND		400	290	ug/L			09/14/18 03:22	400
1,2-Dichlorobenzene	**25000**		400	320	ug/L			09/14/18 03:22	400
1,2-Dichloroethane	ND		400	84	ug/L			09/14/18 03:22	400
1,2-Dichloropropane	ND		400	290	ug/L			09/14/18 03:22	400
1,3,5-Trimethylbenzene	ND		400	310	ug/L			09/14/18 03:22	400
1,3-Dichlorobenzene	**6900**		400	310	ug/L			09/14/18 03:22	400
1,3-Dichloropropane	ND		400	300	ug/L			09/14/18 03:22	400
1,4-Dichlorobenzene	**20000**		400	340	ug/L			09/14/18 03:22	400
2,2-Dichloropropane	ND		400	160	ug/L			09/14/18 03:22	400
2-Butanone (MEK)	ND		4000	530	ug/L			09/14/18 03:22	400

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141700-1

Client Sample ID: OW-11B
Date Collected: 09/13/18 10:05
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-7
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloroethyl vinyl ether	ND		2000	380	ug/L			09/14/18 03:22	400
2-Hexanone	ND		2000	500	ug/L			09/14/18 03:22	400
4-Methyl-2-pentanone (MIBK)	ND		2000	840	ug/L			09/14/18 03:22	400
Acetone	ND		4000	1200	ug/L			09/14/18 03:22	400
Benzene	**7800**		400	160	ug/L			09/14/18 03:22	400
Bromobenzene	ND		400	320	ug/L			09/14/18 03:22	400
Bromochloromethane	ND		400	350	ug/L			09/14/18 03:22	400
Bromodichloromethane	ND		400	160	ug/L			09/14/18 03:22	400
Bromoform	ND		400	100	ug/L			09/14/18 03:22	400
Bromomethane	ND		400	280	ug/L			09/14/18 03:22	400
Carbon disulfide	ND		400	76	ug/L			09/14/18 03:22	400
Carbon tetrachloride	ND		400	110	ug/L			09/14/18 03:22	400
Chlorobenzene	**11000**		400	300	ug/L			09/14/18 03:22	400
Chlorodibromomethane	ND		400	130	ug/L			09/14/18 03:22	400
Chloroethane	ND	*	400	130	ug/L			09/14/18 03:22	400
Chloroform	ND		400	140	ug/L			09/14/18 03:22	400
Chloromethane	ND		400	140	ug/L			09/14/18 03:22	400
cis-1,2-Dichloroethene	ND		400	320	ug/L			09/14/18 03:22	400
cis-1,3-Dichloropropene	ND		400	140	ug/L			09/14/18 03:22	400
Dichlorodifluoromethane	ND		400	270	ug/L			09/14/18 03:22	400
Ethylbenzene	ND		400	300	ug/L			09/14/18 03:22	400
Hexachlorobutadiene	ND		400	110	ug/L			09/14/18 03:22	400
Isopropylbenzene	ND		400	320	ug/L			09/14/18 03:22	400
Methyl tert-butyl ether	ND		400	64	ug/L			09/14/18 03:22	400
Methylene Chloride	ND		400	180	ug/L			09/14/18 03:22	400
m-Xylene & p-Xylene	**290**	**J**	800	260	ug/L			09/14/18 03:22	400
Naphthalene	ND		400	170	ug/L			09/14/18 03:22	400
n-Butylbenzene	ND		400	260	ug/L			09/14/18 03:22	400
N-Propylbenzene	ND		400	280	ug/L			09/14/18 03:22	400
o-Chlorotoluene	ND		400	340	ug/L			09/14/18 03:22	400
o-Xylene	ND		400	300	ug/L			09/14/18 03:22	400
p-Chlorotoluene	ND		400	340	ug/L			09/14/18 03:22	400
p-Cymene	ND		400	120	ug/L			09/14/18 03:22	400
sec-Butylbenzene	ND		400	300	ug/L			09/14/18 03:22	400
Styrene	ND		400	290	ug/L			09/14/18 03:22	400
tert-Butylbenzene	ND		400	320	ug/L			09/14/18 03:22	400
Tetrachloroethene	ND		400	140	ug/L			09/14/18 03:22	400
Toluene	ND		400	200	ug/L			09/14/18 03:22	400
trans-1,2-Dichloroethene	ND		400	360	ug/L			09/14/18 03:22	400
trans-1,3-Dichloropropene	ND		400	150	ug/L			09/14/18 03:22	400
Trichloroethene	ND		400	180	ug/L			09/14/18 03:22	400
Trichlorofluoromethane	ND		400	350	ug/L			09/14/18 03:22	400
Vinyl acetate	ND		2000	340	ug/L			09/14/18 03:22	400
Vinyl chloride	ND		400	360	ug/L			09/14/18 03:22	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/14/18 03:22*	*400*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/14/18 03:22*	*400*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/14/18 03:22*	*400*
Toluene-d8 (Surr)	*94*		*80 - 120*		*09/14/18 03:22*	*400*

Client Sample ID: OW-10B
Date Collected: 09/13/18 09:25
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		500	180	ug/L			09/14/18 03:50	500
1,1,1-Trichloroethane	ND		500	410	ug/L			09/14/18 03:50	500
1,1,2,2-Tetrachloroethane	ND		500	110	ug/L			09/14/18 03:50	500
1,1,2-Trichloroethane	ND		500	120	ug/L			09/14/18 03:50	500
1,1-Dichloroethane	ND		500	190	ug/L			09/14/18 03:50	500
1,1-Dichloroethene	ND		500	150	ug/L			09/14/18 03:50	500
1,1-Dichloropropene	ND		500	360	ug/L			09/14/18 03:50	500
1,2,3-Trichlorobenzene	ND		500	210	ug/L			09/14/18 03:50	500
1,2,3-Trichloropropane	ND		500	450	ug/L			09/14/18 03:50	500
1,2,4-Trichlorobenzene	**350**	**J**	500	210	ug/L			09/14/18 03:50	500
1,2,4-Trimethylbenzene	ND		500	380	ug/L			09/14/18 03:50	500
1,2-Dibromo-3-Chloropropane	ND		500	200	ug/L			09/14/18 03:50	500
1,2-Dibromoethane	ND		500	370	ug/L			09/14/18 03:50	500
1,2-Dichlorobenzene	**10000**		500	400	ug/L			09/14/18 03:50	500
1,2-Dichloroethane	ND		500	110	ug/L			09/14/18 03:50	500
1,2-Dichloropropane	ND		500	360	ug/L			09/14/18 03:50	500
1,3,5-Trimethylbenzene	ND		500	390	ug/L			09/14/18 03:50	500
1,3-Dichlorobenzene	**3200**		500	390	ug/L			09/14/18 03:50	500
1,3-Dichloropropane	ND		500	380	ug/L			09/14/18 03:50	500
1,4-Dichlorobenzene	**13000**		500	420	ug/L			09/14/18 03:50	500
2,2-Dichloropropane	ND		500	200	ug/L			09/14/18 03:50	500
2-Butanone (MEK)	ND		5000	660	ug/L			09/14/18 03:50	500
2-Chloroethyl vinyl ether	ND		2500	480	ug/L			09/14/18 03:50	500
2-Hexanone	ND		2500	620	ug/L			09/14/18 03:50	500
4-Methyl-2-pentanone (MIBK)	ND		2500	1100	ug/L			09/14/18 03:50	500
Acetone	ND		5000	1500	ug/L			09/14/18 03:50	500
Benzene	**2500**		500	210	ug/L			09/14/18 03:50	500
Bromobenzene	ND		500	400	ug/L			09/14/18 03:50	500
Bromochloromethane	ND		500	440	ug/L			09/14/18 03:50	500
Bromodichloromethane	ND		500	200	ug/L			09/14/18 03:50	500
Bromoform	ND		500	130	ug/L			09/14/18 03:50	500
Bromomethane	ND		500	350	ug/L			09/14/18 03:50	500
Carbon disulfide	ND		500	95	ug/L			09/14/18 03:50	500
Carbon tetrachloride	ND		500	140	ug/L			09/14/18 03:50	500
Chlorobenzene	**30000**		500	380	ug/L			09/14/18 03:50	500
Chlorodibromomethane	ND		500	160	ug/L			09/14/18 03:50	500
Chloroethane	ND	*	500	160	ug/L			09/14/18 03:50	500
Chloroform	ND		500	170	ug/L			09/14/18 03:50	500
Chloromethane	ND		500	180	ug/L			09/14/18 03:50	500
cis-1,2-Dichloroethene	ND		500	410	ug/L			09/14/18 03:50	500
cis-1,3-Dichloropropene	ND		500	180	ug/L			09/14/18 03:50	500
Dichlorodifluoromethane	ND		500	340	ug/L			09/14/18 03:50	500
Ethylbenzene	ND		500	370	ug/L			09/14/18 03:50	500
Hexachlorobutadiene	ND		500	140	ug/L			09/14/18 03:50	500
Isopropylbenzene	ND		500	400	ug/L			09/14/18 03:50	500
Methyl tert-butyl ether	ND		500	80	ug/L			09/14/18 03:50	500
Methylene Chloride	ND		500	220	ug/L			09/14/18 03:50	500
m-Xylene & p-Xylene	ND		1000	330	ug/L			09/14/18 03:50	500
Naphthalene	ND		500	220	ug/L			09/14/18 03:50	500

Client Sample ID: OW-10B
Date Collected: 09/13/18 09:25
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-8
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		500	320	ug/L			09/14/18 03:50	500
N-Propylbenzene	ND		500	350	ug/L			09/14/18 03:50	500
o-Chlorotoluene	ND		500	430	ug/L			09/14/18 03:50	500
o-Xylene	ND		500	380	ug/L			09/14/18 03:50	500
p-Chlorotoluene	ND		500	420	ug/L			09/14/18 03:50	500
p-Cymene	ND		500	160	ug/L			09/14/18 03:50	500
sec-Butylbenzene	ND		500	380	ug/L			09/14/18 03:50	500
Styrene	ND		500	370	ug/L			09/14/18 03:50	500
tert-Butylbenzene	ND		500	410	ug/L			09/14/18 03:50	500
Tetrachloroethene	ND		500	180	ug/L			09/14/18 03:50	500
Toluene	ND		500	260	ug/L			09/14/18 03:50	500
trans-1,2-Dichloroethene	ND		500	450	ug/L			09/14/18 03:50	500
trans-1,3-Dichloropropene	ND		500	190	ug/L			09/14/18 03:50	500
Trichloroethene	ND		500	230	ug/L			09/14/18 03:50	500
Trichlorofluoromethane	ND		500	440	ug/L			09/14/18 03:50	500
Vinyl acetate	ND		2500	430	ug/L			09/14/18 03:50	500
Vinyl chloride	ND		500	450	ug/L			09/14/18 03:50	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*09/14/18 03:50*	*500*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/14/18 03:50*	*500*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*09/14/18 03:50*	*500*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/14/18 03:50*	*500*

Client Sample ID: MW-1F
Date Collected: 09/13/18 09:15
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		50	18	ug/L			09/14/18 04:18	50
1,1,1-Trichloroethane	ND		50	41	ug/L			09/14/18 04:18	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			09/14/18 04:18	50
1,1,2-Trichloroethane	ND		50	12	ug/L			09/14/18 04:18	50
1,1-Dichloroethane	ND		50	19	ug/L			09/14/18 04:18	50
1,1-Dichloroethene	ND		50	15	ug/L			09/14/18 04:18	50
1,1-Dichloropropene	ND		50	36	ug/L			09/14/18 04:18	50
1,2,3-Trichlorobenzene	ND		50	21	ug/L			09/14/18 04:18	50
1,2,3-Trichloropropane	ND		50	45	ug/L			09/14/18 04:18	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			09/14/18 04:18	50
1,2,4-Trimethylbenzene	ND		50	38	ug/L			09/14/18 04:18	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			09/14/18 04:18	50
1,2-Dibromoethane	ND		50	37	ug/L			09/14/18 04:18	50
1,2-Dichlorobenzene	ND		50	40	ug/L			09/14/18 04:18	50
1,2-Dichloroethane	ND		50	11	ug/L			09/14/18 04:18	50
1,2-Dichloropropane	ND		50	36	ug/L			09/14/18 04:18	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			09/14/18 04:18	50
1,3-Dichlorobenzene	ND		50	39	ug/L			09/14/18 04:18	50
1,3-Dichloropropane	ND		50	38	ug/L			09/14/18 04:18	50
1,4-Dichlorobenzene	ND		50	42	ug/L			09/14/18 04:18	50

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141700-1

Client Sample ID: MW-1F
Date Collected: 09/13/18 09:15
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		50	20	ug/L			09/14/18 04:18	50
2-Butanone (MEK)	ND		500	66	ug/L			09/14/18 04:18	50
2-Chloroethyl vinyl ether	ND		250	48	ug/L			09/14/18 04:18	50
2-Hexanone	ND		250	62	ug/L			09/14/18 04:18	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			09/14/18 04:18	50
Acetone	ND		500	150	ug/L			09/14/18 04:18	50
Benzene	ND		50	21	ug/L			09/14/18 04:18	50
Bromobenzene	ND		50	40	ug/L			09/14/18 04:18	50
Bromochloromethane	ND		50	44	ug/L			09/14/18 04:18	50
Bromodichloromethane	ND		50	20	ug/L			09/14/18 04:18	50
Bromoform	ND		50	13	ug/L			09/14/18 04:18	50
Bromomethane	ND		50	35	ug/L			09/14/18 04:18	50
Carbon disulfide	ND		50	9.5	ug/L			09/14/18 04:18	50
Carbon tetrachloride	ND		50	14	ug/L			09/14/18 04:18	50
Chlorobenzene	ND		50	38	ug/L			09/14/18 04:18	50
Chlorodibromomethane	ND		50	16	ug/L			09/14/18 04:18	50
Chloroethane	ND	*	50	16	ug/L			09/14/18 04:18	50
Chloroform	ND		50	17	ug/L			09/14/18 04:18	50
Chloromethane	ND		50	18	ug/L			09/14/18 04:18	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			09/14/18 04:18	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			09/14/18 04:18	50
Dichlorodifluoromethane	ND		50	34	ug/L			09/14/18 04:18	50
Ethylbenzene	ND		50	37	ug/L			09/14/18 04:18	50
Hexachlorobutadiene	ND		50	14	ug/L			09/14/18 04:18	50
Isopropylbenzene	ND		50	40	ug/L			09/14/18 04:18	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			09/14/18 04:18	50
Methylene Chloride	ND		50	22	ug/L			09/14/18 04:18	50
m-Xylene & p-Xylene	ND		100	33	ug/L			09/14/18 04:18	50
Naphthalene	ND		50	22	ug/L			09/14/18 04:18	50
n-Butylbenzene	ND		50	32	ug/L			09/14/18 04:18	50
N-Propylbenzene	ND		50	35	ug/L			09/14/18 04:18	50
o-Chlorotoluene	ND		50	43	ug/L			09/14/18 04:18	50
o-Xylene	ND		50	38	ug/L			09/14/18 04:18	50
p-Chlorotoluene	ND		50	42	ug/L			09/14/18 04:18	50
p-Cymene	ND		50	16	ug/L			09/14/18 04:18	50
sec-Butylbenzene	ND		50	38	ug/L			09/14/18 04:18	50
Styrene	ND		50	37	ug/L			09/14/18 04:18	50
tert-Butylbenzene	ND		50	41	ug/L			09/14/18 04:18	50
Tetrachloroethene	ND		50	18	ug/L			09/14/18 04:18	50
Toluene	ND		50	26	ug/L			09/14/18 04:18	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			09/14/18 04:18	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			09/14/18 04:18	50
Trichloroethene	ND		50	23	ug/L			09/14/18 04:18	50
Trichlorofluoromethane	ND		50	44	ug/L			09/14/18 04:18	50
Vinyl acetate	ND		250	43	ug/L			09/14/18 04:18	50
Vinyl chloride	**3100**		50	45	ug/L			09/14/18 04:18	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/14/18 04:18*	*50*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*09/14/18 04:18*	*50*

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141700-1

Client Sample ID: MW-1F

Date Collected: 09/13/18 09:15
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-9
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*09/14/18 04:18*	*50*
Toluene-d8 (Surr)	*92*		*80 - 120*		*09/14/18 04:18*	*50*

Client Sample ID: OW-18A

Date Collected: 09/13/18 09:50
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-10
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200	70	ug/L			09/14/18 04:46	200
1,1,1-Trichloroethane	ND		200	160	ug/L			09/14/18 04:46	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			09/14/18 04:46	200
1,1,2-Trichloroethane	ND		200	46	ug/L			09/14/18 04:46	200
1,1-Dichloroethane	ND		200	76	ug/L			09/14/18 04:46	200
1,1-Dichloroethene	ND		200	58	ug/L			09/14/18 04:46	200
1,1-Dichloropropene	ND		200	140	ug/L			09/14/18 04:46	200
1,2,3-Trichlorobenzene	ND		200	82	ug/L			09/14/18 04:46	200
1,2,3-Trichloropropane	ND		200	180	ug/L			09/14/18 04:46	200
1,2,4-Trichlorobenzene	**170**	**J**	200	82	ug/L			09/14/18 04:46	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			09/14/18 04:46	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			09/14/18 04:46	200
1,2-Dibromoethane	ND		200	150	ug/L			09/14/18 04:46	200
1,2-Dichlorobenzene	**11000**	**F1**	200	160	ug/L			09/14/18 04:46	200
1,2-Dichloroethane	ND		200	42	ug/L			09/14/18 04:46	200
1,2-Dichloropropane	ND		200	140	ug/L			09/14/18 04:46	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			09/14/18 04:46	200
1,3-Dichlorobenzene	**1900**		200	160	ug/L			09/14/18 04:46	200
1,3-Dichloropropane	ND		200	150	ug/L			09/14/18 04:46	200
1,4-Dichlorobenzene	**16000**	**F1**	200	170	ug/L			09/14/18 04:46	200
2,2-Dichloropropane	ND		200	80	ug/L			09/14/18 04:46	200
2-Butanone (MEK)	ND		2000	260	ug/L			09/14/18 04:46	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			09/14/18 04:46	200
2-Hexanone	ND		1000	250	ug/L			09/14/18 04:46	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			09/14/18 04:46	200
Acetone	ND		2000	600	ug/L			09/14/18 04:46	200
Benzene	**620**		200	82	ug/L			09/14/18 04:46	200
Bromobenzene	ND		200	160	ug/L			09/14/18 04:46	200
Bromochloromethane	ND		200	170	ug/L			09/14/18 04:46	200
Bromodichloromethane	ND		200	78	ug/L			09/14/18 04:46	200
Bromoform	ND		200	52	ug/L			09/14/18 04:46	200
Bromomethane	ND		200	140	ug/L			09/14/18 04:46	200
Carbon disulfide	ND		200	38	ug/L			09/14/18 04:46	200
Carbon tetrachloride	ND		200	54	ug/L			09/14/18 04:46	200
Chlorobenzene	**10000**		200	150	ug/L			09/14/18 04:46	200
Chlorodibromomethane	ND		200	64	ug/L			09/14/18 04:46	200
Chloroethane	ND	*	200	64	ug/L			09/14/18 04:46	200
Chloroform	ND		200	68	ug/L			09/14/18 04:46	200
Chloromethane	ND		200	70	ug/L			09/14/18 04:46	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			09/14/18 04:46	200

Client Sample ID: OW-18A
Date Collected: 09/13/18 09:50
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-10
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		200	72	ug/L			09/14/18 04:46	200
Dichlorodifluoromethane	ND		200	140	ug/L			09/14/18 04:46	200
Ethylbenzene	ND		200	150	ug/L			09/14/18 04:46	200
Hexachlorobutadiene	ND		200	56	ug/L			09/14/18 04:46	200
Isopropylbenzene	ND		200	160	ug/L			09/14/18 04:46	200
Methyl tert-butyl ether	ND		200	32	ug/L			09/14/18 04:46	200
Methylene Chloride	ND		200	88	ug/L			09/14/18 04:46	200
m-Xylene & p-Xylene	ND		400	130	ug/L			09/14/18 04:46	200
Naphthalene	ND		200	86	ug/L			09/14/18 04:46	200
n-Butylbenzene	ND		200	130	ug/L			09/14/18 04:46	200
N-Propylbenzene	ND		200	140	ug/L			09/14/18 04:46	200
o-Chlorotoluene	ND		200	170	ug/L			09/14/18 04:46	200
o-Xylene	ND		200	150	ug/L			09/14/18 04:46	200
p-Chlorotoluene	ND		200	170	ug/L			09/14/18 04:46	200
p-Cymene	ND		200	62	ug/L			09/14/18 04:46	200
sec-Butylbenzene	ND		200	150	ug/L			09/14/18 04:46	200
Styrene	ND		200	150	ug/L			09/14/18 04:46	200
tert-Butylbenzene	ND		200	160	ug/L			09/14/18 04:46	200
Tetrachloroethene	ND		200	72	ug/L			09/14/18 04:46	200
Toluene	ND		200	100	ug/L			09/14/18 04:46	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			09/14/18 04:46	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			09/14/18 04:46	200
Trichloroethene	ND		200	92	ug/L			09/14/18 04:46	200
Trichlorofluoromethane	ND		200	180	ug/L			09/14/18 04:46	200
Vinyl acetate	ND		1000	170	ug/L			09/14/18 04:46	200
Vinyl chloride	ND		200	180	ug/L			09/14/18 04:46	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*09/14/18 04:46*	*200*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*09/14/18 04:46*	*200*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/14/18 04:46*	*200*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/14/18 04:46*	*200*

Client Sample ID: MW-2A
Date Collected: 09/13/18 09:32
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		50	18	ug/L			09/15/18 00:35	50
1,1,1-Trichloroethane	ND		50	41	ug/L			09/15/18 00:35	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			09/15/18 00:35	50
1,1,2-Trichloroethane	ND		50	12	ug/L			09/15/18 00:35	50
1,1-Dichloroethane	ND		50	19	ug/L			09/15/18 00:35	50
1,1-Dichloroethene	ND		50	15	ug/L			09/15/18 00:35	50
1,1-Dichloropropene	ND		50	36	ug/L			09/15/18 00:35	50
1,2,3-Trichlorobenzene	**61**		50	21	ug/L			09/15/18 00:35	50
1,2,3-Trichloropropane	ND		50	45	ug/L			09/15/18 00:35	50
1,2,4-Trichlorobenzene	**130**		50	21	ug/L			09/15/18 00:35	50
1,2,4-Trimethylbenzene	ND		50	38	ug/L			09/15/18 00:35	50

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141700-1

Client Sample ID: MW-2A
Date Collected: 09/13/18 09:32
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			09/15/18 00:35	50
1,2-Dibromoethane	ND		50	37	ug/L			09/15/18 00:35	50
1,2-Dichlorobenzene	**1800**		50	40	ug/L			09/15/18 00:35	50
1,2-Dichloroethane	ND		50	11	ug/L			09/15/18 00:35	50
1,2-Dichloropropane	ND		50	36	ug/L			09/15/18 00:35	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			09/15/18 00:35	50
1,3-Dichlorobenzene	**1000**		50	39	ug/L			09/15/18 00:35	50
1,3-Dichloropropane	ND		50	38	ug/L			09/15/18 00:35	50
1,4-Dichlorobenzene	**3000**		50	42	ug/L			09/15/18 00:35	50
2,2-Dichloropropane	ND		50	20	ug/L			09/15/18 00:35	50
2-Butanone (MEK)	ND		500	66	ug/L			09/15/18 00:35	50
2-Chloroethyl vinyl ether	ND		250	48	ug/L			09/15/18 00:35	50
2-Hexanone	ND		250	62	ug/L			09/15/18 00:35	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			09/15/18 00:35	50
Acetone	ND		500	150	ug/L			09/15/18 00:35	50
Benzene	**120**		50	21	ug/L			09/15/18 00:35	50
Bromobenzene	ND		50	40	ug/L			09/15/18 00:35	50
Bromochloromethane	ND		50	44	ug/L			09/15/18 00:35	50
Bromodichloromethane	ND		50	20	ug/L			09/15/18 00:35	50
Bromoform	ND		50	13	ug/L			09/15/18 00:35	50
Bromomethane	ND		50	35	ug/L			09/15/18 00:35	50
Carbon disulfide	ND		50	9.5	ug/L			09/15/18 00:35	50
Carbon tetrachloride	ND		50	14	ug/L			09/15/18 00:35	50
Chlorobenzene	**2200**		50	38	ug/L			09/15/18 00:35	50
Chlorodibromomethane	ND		50	16	ug/L			09/15/18 00:35	50
Chloroethane	ND		50	16	ug/L			09/15/18 00:35	50
Chloroform	ND		50	17	ug/L			09/15/18 00:35	50
Chloromethane	ND		50	18	ug/L			09/15/18 00:35	50
cis-1,2-Dichloroethene	ND		50	41	ug/L			09/15/18 00:35	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			09/15/18 00:35	50
Dichlorodifluoromethane	ND		50	34	ug/L			09/15/18 00:35	50
Ethylbenzene	ND		50	37	ug/L			09/15/18 00:35	50
Hexachlorobutadiene	ND		50	14	ug/L			09/15/18 00:35	50
Isopropylbenzene	ND		50	40	ug/L			09/15/18 00:35	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			09/15/18 00:35	50
Methylene Chloride	ND		50	22	ug/L			09/15/18 00:35	50
m-Xylene & p-Xylene	ND		100	33	ug/L			09/15/18 00:35	50
Naphthalene	ND		50	22	ug/L			09/15/18 00:35	50
n-Butylbenzene	ND		50	32	ug/L			09/15/18 00:35	50
N-Propylbenzene	ND		50	35	ug/L			09/15/18 00:35	50
o-Chlorotoluene	ND		50	43	ug/L			09/15/18 00:35	50
o-Xylene	ND		50	38	ug/L			09/15/18 00:35	50
p-Chlorotoluene	ND		50	42	ug/L			09/15/18 00:35	50
p-Cymene	ND		50	16	ug/L			09/15/18 00:35	50
sec-Butylbenzene	ND		50	38	ug/L			09/15/18 00:35	50
Styrene	ND		50	37	ug/L			09/15/18 00:35	50
tert-Butylbenzene	ND		50	41	ug/L			09/15/18 00:35	50
Tetrachloroethene	ND		50	18	ug/L			09/15/18 00:35	50
Toluene	ND		50	26	ug/L			09/15/18 00:35	50

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141700-1

Client Sample ID: MW-2A
Date Collected: 09/13/18 09:32
Date Received: 09/13/18 13:12

Lab Sample ID: 480-141700-11
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		50	45	ug/L			09/15/18 00:35	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			09/15/18 00:35	50
Trichloroethene	ND		50	23	ug/L			09/15/18 00:35	50
Trichlorofluoromethane	ND		50	44	ug/L			09/15/18 00:35	50
Vinyl acetate	ND		250	43	ug/L			09/15/18 00:35	50
Vinyl chloride	ND		50	45	ug/L			09/15/18 00:35	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*09/15/18 00:35*	*50*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/15/18 00:35*	*50*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*09/15/18 00:35*	*50*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/15/18 00:35*	*50*

Surrogate Summary

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141700-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-141700-1	TB-04 (TRIP BLANK)	108	99	110	98
480-141700-2	MW-5F	114	94	114	99
480-141700-3	MW-6F	108	91	103	95
480-141700-4	MW-6B	108	93	110	94
480-141700-5	OW-29A	108	92	112	95
480-141700-6	OW-111B	107	97	110	99
480-141700-7	OW-11B	106	94	106	94
480-141700-8	OW-10B	111	96	111	97
480-141700-9	MW-1F	106	93	106	92
480-141700-10	OW-18A	110	92	107	96
480-141700-10 MS	OW-18A	104	95	106	97
480-141700-10 MSD	OW-18A	107	92	107	94
480-141700-11	MW-2A	111	94	108	97
LCS 480-434318/5	Lab Control Sample	100	95	103	95
LCS 480-434538/6	Lab Control Sample	105	96	105	97
MB 480-434318/7	Method Blank	108	95	109	100
MB 480-434538/8	Method Blank	110	96	111	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-434318/7
Matrix: Water
Analysis Batch: 434318

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/13/18 21:55	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/13/18 21:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/13/18 21:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/13/18 21:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/13/18 21:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/13/18 21:55	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/13/18 21:55	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/13/18 21:55	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/13/18 21:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/13/18 21:55	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/13/18 21:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/13/18 21:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/13/18 21:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/13/18 21:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/13/18 21:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/13/18 21:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/13/18 21:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/13/18 21:55	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/13/18 21:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/13/18 21:55	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/13/18 21:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/13/18 21:55	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/13/18 21:55	1
2-Hexanone	ND		5.0	1.2	ug/L			09/13/18 21:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/13/18 21:55	1
Acetone	ND		10	3.0	ug/L			09/13/18 21:55	1
Benzene	ND		1.0	0.41	ug/L			09/13/18 21:55	1
Bromobenzene	ND		1.0	0.80	ug/L			09/13/18 21:55	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/13/18 21:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/13/18 21:55	1
Bromoform	ND		1.0	0.26	ug/L			09/13/18 21:55	1
Bromomethane	ND		1.0	0.69	ug/L			09/13/18 21:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/13/18 21:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/13/18 21:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/13/18 21:55	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/13/18 21:55	1
Chloroethane	ND		1.0	0.32	ug/L			09/13/18 21:55	1
Chloroform	ND		1.0	0.34	ug/L			09/13/18 21:55	1
Chloromethane	ND		1.0	0.35	ug/L			09/13/18 21:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/13/18 21:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/13/18 21:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/13/18 21:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/13/18 21:55	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			09/13/18 21:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/13/18 21:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/13/18 21:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/13/18 21:55	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/13/18 21:55	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-434318/7
Matrix: Water
Analysis Batch: 434318

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.43	ug/L			09/13/18 21:55	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/13/18 21:55	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/13/18 21:55	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/13/18 21:55	1
o-Xylene	ND		1.0	0.76	ug/L			09/13/18 21:55	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/13/18 21:55	1
p-Cymene	ND		1.0	0.31	ug/L			09/13/18 21:55	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/13/18 21:55	1
Styrene	ND		1.0	0.73	ug/L			09/13/18 21:55	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/13/18 21:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/13/18 21:55	1
Toluene	ND		1.0	0.51	ug/L			09/13/18 21:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/13/18 21:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/13/18 21:55	1
Trichloroethene	ND		1.0	0.46	ug/L			09/13/18 21:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/13/18 21:55	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/13/18 21:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/13/18 21:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*09/13/18 21:55*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/13/18 21:55*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*09/13/18 21:55*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/13/18 21:55*	*1*

Lab Sample ID: LCS 480-434318/5
Matrix: Water
Analysis Batch: 434318

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	23.7		ug/L		95	80 - 120
1,1,1-Trichloroethane	25.0	26.0		ug/L		104	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	76 - 120
1,1,2-Trichloroethane	25.0	23.0		ug/L		92	76 - 122
1,1-Dichloroethane	25.0	24.1		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	23.3		ug/L		93	66 - 127
1,1-Dichloropropene	25.0	25.3		ug/L		101	72 - 122
1,2,3-Trichlorobenzene	25.0	19.6		ug/L		78	75 - 123
1,2,3-Trichloropropane	25.0	27.4		ug/L		110	68 - 122
1,2,4-Trichlorobenzene	25.0	20.2		ug/L		81	79 - 122
1,2,4-Trimethylbenzene	25.0	23.8		ug/L		95	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	21.7		ug/L		87	56 - 134
1,2-Dibromoethane	25.0	23.6		ug/L		95	77 - 120
1,2-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	25.3		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	25.1		ug/L		101	76 - 120
1,3,5-Trimethylbenzene	25.0	24.2		ug/L		97	77 - 121
1,3-Dichlorobenzene	25.0	25.4		ug/L		101	77 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-434318/5
Matrix: Water
Analysis Batch: 434318

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	25.0	24.5		ug/L		98	75 - 120
1,4-Dichlorobenzene	25.0	24.4		ug/L		97	80 - 120
2,2-Dichloropropane	25.0	24.6		ug/L		99	63 - 136
2-Butanone (MEK)	125	145		ug/L		116	57 - 140
2-Chloroethyl vinyl ether	25.0	26.4		ug/L		105	70 - 129
2-Hexanone	125	125		ug/L		100	65 - 127
4-Methyl-2-pentanone (MIBK)	125	119		ug/L		95	71 - 125
Acetone	125	150		ug/L		120	56 - 142
Benzene	25.0	23.7		ug/L		95	71 - 124
Bromobenzene	25.0	23.9		ug/L		96	78 - 120
Bromochloromethane	25.0	26.0		ug/L		104	72 - 130
Bromodichloromethane	25.0	24.3		ug/L		97	80 - 122
Bromoform	25.0	22.8		ug/L		91	61 - 132
Bromomethane	25.0	15.8		ug/L		63	55 - 144
Carbon disulfide	25.0	21.7		ug/L		87	59 - 134
Carbon tetrachloride	25.0	27.1		ug/L		108	72 - 134
Chlorobenzene	25.0	24.0		ug/L		96	80 - 120
Chlorodibromomethane	25.0	23.7		ug/L		95	75 - 125
Chloroethane	25.0	16.7	*	ug/L		67	69 - 136
Chloroform	25.0	23.1		ug/L		92	73 - 127
Chloromethane	25.0	19.0		ug/L		76	68 - 124
cis-1,2-Dichloroethene	25.0	24.6		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	25.4		ug/L		102	74 - 124
Dichlorodifluoromethane	25.0	18.9		ug/L		76	59 - 135
Ethylbenzene	25.0	23.3		ug/L		93	77 - 123
Hexachlorobutadiene	25.0	19.0		ug/L		76	68 - 131
Isopropylbenzene	25.0	24.4		ug/L		97	77 - 122
Methyl tert-butyl ether	25.0	22.4		ug/L		90	77 - 120
Methylene Chloride	25.0	23.9		ug/L		96	75 - 124
m-Xylene & p-Xylene	25.0	23.4		ug/L		94	76 - 122
Naphthalene	25.0	22.9		ug/L		92	66 - 125
n-Butylbenzene	25.0	23.7		ug/L		95	71 - 128
N-Propylbenzene	25.0	23.7		ug/L		95	75 - 127
o-Chlorotoluene	25.0	25.4		ug/L		102	76 - 121
o-Xylene	25.0	22.5		ug/L		90	76 - 122
p-Chlorotoluene	25.0	24.0		ug/L		96	77 - 121
p-Cymene	25.0	25.2		ug/L		101	73 - 120
sec-Butylbenzene	25.0	26.1		ug/L		104	74 - 127
Styrene	25.0	24.0		ug/L		96	80 - 120
tert-Butylbenzene	25.0	24.7		ug/L		99	75 - 123
Tetrachloroethene	25.0	24.2		ug/L		97	74 - 122
Toluene	25.0	22.7		ug/L		91	80 - 122
trans-1,2-Dichloroethene	25.0	21.8		ug/L		87	73 - 127
trans-1,3-Dichloropropene	25.0	23.7		ug/L		95	80 - 120
Trichloroethene	25.0	25.5		ug/L		102	74 - 123
Trichlorofluoromethane	25.0	22.5		ug/L		90	62 - 150
Vinyl acetate	50.0	58.1		ug/L		116	50 - 144
Vinyl chloride	25.0	17.9		ug/L		72	65 - 133

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-434318/5
Matrix: Water
Analysis Batch: 434318

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 480-141700-10 MS
Matrix: Water
Analysis Batch: 434318

Client Sample ID: OW-18A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		5000	5000		ug/L		100	80 - 120
1,1,1-Trichloroethane	ND		5000	5960		ug/L		119	73 - 126
1,1,2,2-Tetrachloroethane	ND		5000	4790		ug/L		96	76 - 120
1,1,2-Trichloroethane	ND		5000	5090		ug/L		102	76 - 122
1,1-Dichloroethane	ND		5000	5380		ug/L		108	77 - 120
1,1-Dichloroethene	ND		5000	5260		ug/L		105	66 - 127
1,1-Dichloropropene	ND		5000	5660		ug/L		113	72 - 122
1,2,3-Trichlorobenzene	ND		5000	4390		ug/L		88	75 - 123
1,2,3-Trichloropropane	ND		5000	5410		ug/L		108	68 - 122
1,2,4-Trichlorobenzene	170	J	5000	4650		ug/L		90	79 - 122
1,2,4-Trimethylbenzene	ND		5000	5160		ug/L		103	76 - 121
1,2-Dibromo-3-Chloropropane	ND		5000	4700		ug/L		94	56 - 134
1,2-Dibromoethane	ND		5000	5200		ug/L		104	77 - 120
1,2-Dichlorobenzene	11000	F1	5000	15300		ug/L		89	80 - 124
1,2-Dichloroethane	ND		5000	5530		ug/L		111	75 - 120
1,2-Dichloropropane	ND		5000	5620		ug/L		112	76 - 120
1,3,5-Trimethylbenzene	ND		5000	5200		ug/L		104	77 - 121
1,3-Dichlorobenzene	1900		5000	7380		ug/L		109	77 - 120
1,3-Dichloropropane	ND		5000	5210		ug/L		104	75 - 120
1,4-Dichlorobenzene	16000	F1	5000	20300	E	ug/L		86	78 - 124
2,2-Dichloropropane	ND		5000	5520		ug/L		110	63 - 136
2-Butanone (MEK)	ND		25000	28600		ug/L		114	57 - 140
2-Chloroethyl vinyl ether	ND		5000	5060		ug/L		101	70 - 129
2-Hexanone	ND		25000	25300		ug/L		101	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		25000	25400		ug/L		102	71 - 125
Acetone	ND		25000	27200		ug/L		109	56 - 142
Benzene	620		5000	5880		ug/L		105	71 - 124
Bromobenzene	ND		5000	5140		ug/L		103	78 - 120
Bromochloromethane	ND		5000	5590		ug/L		112	72 - 130
Bromodichloromethane	ND		5000	5240		ug/L		105	80 - 122
Bromoform	ND		5000	4790		ug/L		96	61 - 132
Bromomethane	ND		5000	3670		ug/L		73	55 - 144
Carbon disulfide	ND		5000	4890		ug/L		98	59 - 134
Carbon tetrachloride	ND		5000	6060		ug/L		121	72 - 134
Chlorobenzene	10000		5000	15000		ug/L		100	80 - 120
Chlorodibromomethane	ND		5000	4880		ug/L		98	75 - 125
Chloroethane	ND	*	5000	3870		ug/L		77	69 - 136
Chloroform	ND		5000	5250		ug/L		105	73 - 127

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-141700-10 MS
Matrix: Water
Analysis Batch: 434318

Client Sample ID: OW-18A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		5000	4320		ug/L		86	68 - 124
cis-1,2-Dichloroethene	ND		5000	5550		ug/L		111	74 - 124
cis-1,3-Dichloropropene	ND		5000	5220		ug/L		104	74 - 124
Dichlorodifluoromethane	ND		5000	4230		ug/L		85	59 - 135
Ethylbenzene	ND		5000	5160		ug/L		103	77 - 123
Hexachlorobutadiene	ND		5000	4080		ug/L		82	68 - 131
Isopropylbenzene	ND		5000	5410		ug/L		108	77 - 122
Methyl tert-butyl ether	ND		5000	4820		ug/L		96	77 - 120
Methylene Chloride	ND		5000	4990		ug/L		100	75 - 124
m-Xylene & p-Xylene	ND		5000	5200		ug/L		104	76 - 122
Naphthalene	ND		5000	4820		ug/L		96	66 - 125
n-Butylbenzene	ND		5000	5070		ug/L		101	71 - 128
N-Propylbenzene	ND		5000	5220		ug/L		104	75 - 127
o-Chlorotoluene	ND		5000	5450		ug/L		109	76 - 121
o-Xylene	ND		5000	4920		ug/L		98	76 - 122
p-Chlorotoluene	ND		5000	5160		ug/L		103	77 - 121
p-Cymene	ND		5000	5570		ug/L		111	73 - 120
sec-Butylbenzene	ND		5000	5610		ug/L		112	74 - 127
Styrene	ND		5000	5170		ug/L		103	80 - 120
tert-Butylbenzene	ND		5000	5580		ug/L		112	75 - 123
Tetrachloroethene	ND		5000	5430		ug/L		109	74 - 122
Toluene	ND		5000	5080		ug/L		102	80 - 122
trans-1,2-Dichloroethene	ND		5000	5070		ug/L		101	73 - 127
trans-1,3-Dichloropropene	ND		5000	4880		ug/L		98	80 - 120
Trichloroethene	ND		5000	5690		ug/L		114	74 - 123
Trichlorofluoromethane	ND		5000	4990		ug/L		100	62 - 150
Vinyl acetate	ND		10000	10300		ug/L		103	50 - 144
Vinyl chloride	ND		5000	4280		ug/L		86	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 480-141700-10 MSD
Matrix: Water
Analysis Batch: 434318

Client Sample ID: OW-18A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		5000	4950		ug/L		99	80 - 120	1	20
1,1,1-Trichloroethane	ND		5000	5580		ug/L		112	73 - 126	7	15
1,1,2,2-Tetrachloroethane	ND		5000	4790		ug/L		96	76 - 120	0	15
1,1,2-Trichloroethane	ND		5000	4770		ug/L		95	76 - 122	7	15
1,1-Dichloroethane	ND		5000	5370		ug/L		107	77 - 120	0	20
1,1-Dichloroethene	ND		5000	4960		ug/L		99	66 - 127	6	16
1,1-Dichloropropene	ND		5000	5380		ug/L		108	72 - 122	5	20
1,2,3-Trichlorobenzene	ND		5000	4240		ug/L		85	75 - 123	3	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-141700-10 MSD
Matrix: Water
Analysis Batch: 434318

Client Sample ID: OW-18A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3-Trichloropropane	ND		5000	5510		ug/L		110	68 - 122	2	14
1,2,4-Trichlorobenzene	170	J	5000	4240		ug/L		81	79 - 122	9	20
1,2,4-Trimethylbenzene	ND		5000	4820		ug/L		96	76 - 121	7	20
1,2-Dibromo-3-Chloropropane	ND		5000	4550		ug/L		91	56 - 134	3	15
1,2-Dibromoethane	ND		5000	4970		ug/L		99	77 - 120	5	15
1,2-Dichlorobenzene	11000	F1	5000	14800	F1	ug/L		79	80 - 124	3	20
1,2-Dichloroethane	ND		5000	5350		ug/L		107	75 - 120	3	20
1,2-Dichloropropane	ND		5000	5330		ug/L		107	76 - 120	5	20
1,3,5-Trimethylbenzene	ND		5000	4880		ug/L		98	77 - 121	6	20
1,3-Dichlorobenzene	1900		5000	6960		ug/L		100	77 - 120	6	20
1,3-Dichloropropane	ND		5000	4940		ug/L		99	75 - 120	5	20
1,4-Dichlorobenzene	16000	F1	5000	19300	F1	ug/L		67	78 - 124	5	20
2,2-Dichloropropane	ND		5000	4850		ug/L		97	63 - 136	13	20
2-Butanone (MEK)	ND		25000	29800		ug/L		119	57 - 140	4	20
2-Chloroethyl vinyl ether	ND		5000	5510		ug/L		110	70 - 129	8	20
2-Hexanone	ND		25000	25600		ug/L		102	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	ND		25000	24800		ug/L		99	71 - 125	2	35
Acetone	ND		25000	27000		ug/L		108	56 - 142	0	15
Benzene	620		5000	5690		ug/L		101	71 - 124	3	13
Bromobenzene	ND		5000	4970		ug/L		99	78 - 120	3	15
Bromochloromethane	ND		5000	5470		ug/L		109	72 - 130	2	15
Bromodichloromethane	ND		5000	5240		ug/L		105	80 - 122	0	15
Bromoform	ND		5000	4820		ug/L		96	61 - 132	1	15
Bromomethane	ND		5000	3420		ug/L		68	55 - 144	7	15
Carbon disulfide	ND		5000	4500		ug/L		90	59 - 134	8	15
Carbon tetrachloride	ND		5000	5770		ug/L		115	72 - 134	5	15
Chlorobenzene	10000		5000	14100		ug/L		82	80 - 120	6	25
Chlorodibromomethane	ND		5000	5030		ug/L		101	75 - 125	3	15
Chloroethane	ND	*	5000	3560		ug/L		71	69 - 136	9	15
Chloroform	ND		5000	5030		ug/L		101	73 - 127	4	20
Chloromethane	ND		5000	4020		ug/L		80	68 - 124	7	15
cis-1,2-Dichloroethene	ND		5000	5190		ug/L		104	74 - 124	7	15
cis-1,3-Dichloropropene	ND		5000	5310		ug/L		106	74 - 124	2	15
Dichlorodifluoromethane	ND		5000	4030		ug/L		81	59 - 135	5	20
Ethylbenzene	ND		5000	4750		ug/L		95	77 - 123	8	15
Hexachlorobutadiene	ND		5000	3810		ug/L		76	68 - 131	7	20
Isopropylbenzene	ND		5000	5010		ug/L		100	77 - 122	8	20
Methyl tert-butyl ether	ND		5000	4920		ug/L		98	77 - 120	2	37
Methylene Chloride	ND		5000	4890		ug/L		98	75 - 124	2	15
m-Xylene & p-Xylene	ND		5000	4840		ug/L		97	76 - 122	7	16
Naphthalene	ND		5000	4610		ug/L		92	66 - 125	4	20
n-Butylbenzene	ND		5000	4720		ug/L		94	71 - 128	7	15
N-Propylbenzene	ND		5000	4840		ug/L		97	75 - 127	7	15
o-Chlorotoluene	ND		5000	5290		ug/L		106	76 - 121	3	20
o-Xylene	ND		5000	4700		ug/L		94	76 - 122	4	16
p-Chlorotoluene	ND		5000	4870		ug/L		97	77 - 121	6	15
p-Cymene	ND		5000	5140		ug/L		103	73 - 120	8	20
sec-Butylbenzene	ND		5000	5120		ug/L		102	74 - 127	9	15

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-141700-10 MSD
Matrix: Water
Analysis Batch: 434318

Client Sample ID: OW-18A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Styrene	ND		5000	4900		ug/L		98	80 - 120	5	20
tert-Butylbenzene	ND		5000	5420		ug/L		108	75 - 123	3	15
Tetrachloroethene	ND		5000	5090		ug/L		102	74 - 122	6	20
Toluene	ND		5000	4640		ug/L		93	80 - 122	9	15
trans-1,2-Dichloroethene	ND		5000	4750		ug/L		95	73 - 127	6	20
trans-1,3-Dichloropropene	ND		5000	4800		ug/L		96	80 - 120	2	15
Trichloroethene	ND		5000	5500		ug/L		110	74 - 123	3	16
Trichlorofluoromethane	ND		5000	4250		ug/L		85	62 - 150	16	20
Vinyl acetate	ND		10000	10500		ug/L		105	50 - 144	1	23
Vinyl chloride	ND		5000	3810		ug/L		76	65 - 133	12	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: MB 480-434538/8
Matrix: Water
Analysis Batch: 434538

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/14/18 21:30	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/14/18 21:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/14/18 21:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/14/18 21:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/14/18 21:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/14/18 21:30	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/14/18 21:30	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/14/18 21:30	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/14/18 21:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/14/18 21:30	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/14/18 21:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/14/18 21:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/14/18 21:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/14/18 21:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/14/18 21:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/14/18 21:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/14/18 21:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/14/18 21:30	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/14/18 21:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/14/18 21:30	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/14/18 21:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/14/18 21:30	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/14/18 21:30	1
2-Hexanone	ND		5.0	1.2	ug/L			09/14/18 21:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/14/18 21:30	1
Acetone	ND		10	3.0	ug/L			09/14/18 21:30	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-434538/8
Matrix: Water
Analysis Batch: 434538

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			09/14/18 21:30	1
Bromobenzene	ND		1.0	0.80	ug/L			09/14/18 21:30	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/14/18 21:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/14/18 21:30	1
Bromoform	ND		1.0	0.26	ug/L			09/14/18 21:30	1
Bromomethane	ND		1.0	0.69	ug/L			09/14/18 21:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/14/18 21:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/14/18 21:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/14/18 21:30	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/14/18 21:30	1
Chloroethane	ND		1.0	0.32	ug/L			09/14/18 21:30	1
Chloroform	ND		1.0	0.34	ug/L			09/14/18 21:30	1
Chloromethane	ND		1.0	0.35	ug/L			09/14/18 21:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/14/18 21:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/14/18 21:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/14/18 21:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/14/18 21:30	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			09/14/18 21:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/14/18 21:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/14/18 21:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/14/18 21:30	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/14/18 21:30	1
Naphthalene	ND		1.0	0.43	ug/L			09/14/18 21:30	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/14/18 21:30	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/14/18 21:30	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/14/18 21:30	1
o-Xylene	ND		1.0	0.76	ug/L			09/14/18 21:30	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/14/18 21:30	1
p-Cymene	ND		1.0	0.31	ug/L			09/14/18 21:30	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/14/18 21:30	1
Styrene	ND		1.0	0.73	ug/L			09/14/18 21:30	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/14/18 21:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/14/18 21:30	1
Toluene	ND		1.0	0.51	ug/L			09/14/18 21:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/14/18 21:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/14/18 21:30	1
Trichloroethene	ND		1.0	0.46	ug/L			09/14/18 21:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/14/18 21:30	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/14/18 21:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/14/18 21:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*09/14/18 21:30*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/14/18 21:30*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*09/14/18 21:30*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*09/14/18 21:30*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-434538/6
Matrix: Water
Analysis Batch: 434538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	26.5		ug/L		106	80 - 120
1,1,1-Trichloroethane	25.0	27.8		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.1		ug/L		100	76 - 120
1,1,2-Trichloroethane	25.0	24.4		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	26.5		ug/L		106	77 - 120
1,1-Dichloroethene	25.0	24.5		ug/L		98	66 - 127
1,1-Dichloropropene	25.0	28.1		ug/L		112	72 - 122
1,2,3-Trichlorobenzene	25.0	21.9		ug/L		88	75 - 123
1,2,3-Trichloropropane	25.0	29.8		ug/L		119	68 - 122
1,2,4-Trichlorobenzene	25.0	22.7		ug/L		91	79 - 122
1,2,4-Trimethylbenzene	25.0	25.7		ug/L		103	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	24.7		ug/L		99	56 - 134
1,2-Dibromoethane	25.0	25.5		ug/L		102	77 - 120
1,2-Dichlorobenzene	25.0	27.1		ug/L		108	80 - 124
1,2-Dichloroethane	25.0	27.5		ug/L		110	75 - 120
1,2-Dichloropropane	25.0	26.7		ug/L		107	76 - 120
1,3,5-Trimethylbenzene	25.0	26.4		ug/L		106	77 - 121
1,3-Dichlorobenzene	25.0	28.0		ug/L		112	77 - 120
1,3-Dichloropropane	25.0	25.4		ug/L		102	75 - 120
1,4-Dichlorobenzene	25.0	26.7		ug/L		107	80 - 120
2,2-Dichloropropane	25.0	29.9		ug/L		120	63 - 136
2-Butanone (MEK)	125	136		ug/L		109	57 - 140
2-Chloroethyl vinyl ether	25.0	24.5		ug/L		98	70 - 129
2-Hexanone	125	118		ug/L		94	65 - 127
4-Methyl-2-pentanone (MIBK)	125	122		ug/L		98	71 - 125
Acetone	125	136		ug/L		109	56 - 142
Benzene	25.0	25.7		ug/L		103	71 - 124
Bromobenzene	25.0	25.0		ug/L		100	78 - 120
Bromochloromethane	25.0	28.3		ug/L		113	72 - 130
Bromodichloromethane	25.0	26.0		ug/L		104	80 - 122
Bromoform	25.0	25.5		ug/L		102	61 - 132
Bromomethane	25.0	17.7		ug/L		71	55 - 144
Carbon disulfide	25.0	24.1		ug/L		96	59 - 134
Carbon tetrachloride	25.0	29.1		ug/L		116	72 - 134
Chlorobenzene	25.0	26.6		ug/L		106	80 - 120
Chlorodibromomethane	25.0	26.2		ug/L		105	75 - 125
Chloroethane	25.0	19.4		ug/L		78	69 - 136
Chloroform	25.0	26.4		ug/L		106	73 - 127
Chloromethane	25.0	21.1		ug/L		84	68 - 124
cis-1,2-Dichloroethene	25.0	26.7		ug/L		107	74 - 124
cis-1,3-Dichloropropene	25.0	26.2		ug/L		105	74 - 124
Dichlorodifluoromethane	25.0	21.2		ug/L		85	59 - 135
Ethylbenzene	25.0	25.6		ug/L		103	77 - 123
Hexachlorobutadiene	25.0	20.6		ug/L		82	68 - 131
Isopropylbenzene	25.0	26.7		ug/L		107	77 - 122
Methyl tert-butyl ether	25.0	26.7		ug/L		107	77 - 120
Methylene Chloride	25.0	25.6		ug/L		103	75 - 124
m-Xylene & p-Xylene	25.0	25.2		ug/L		101	76 - 122

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-434538/6
Matrix: Water
Analysis Batch: 434538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	25.0	25.0		ug/L		100	66 - 125
n-Butylbenzene	25.0	25.5		ug/L		102	71 - 128
N-Propylbenzene	25.0	25.8		ug/L		103	75 - 127
o-Chlorotoluene	25.0	28.5		ug/L		114	76 - 121
o-Xylene	25.0	25.4		ug/L		102	76 - 122
p-Chlorotoluene	25.0	25.5		ug/L		102	77 - 121
p-Cymene	25.0	27.4		ug/L		109	73 - 120
sec-Butylbenzene	25.0	27.9		ug/L		111	74 - 127
Styrene	25.0	25.3		ug/L		101	80 - 120
tert-Butylbenzene	25.0	29.1		ug/L		117	75 - 123
Tetrachloroethene	25.0	26.9		ug/L		108	74 - 122
Toluene	25.0	24.7		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	26.5		ug/L		106	73 - 127
trans-1,3-Dichloropropene	25.0	24.9		ug/L		100	80 - 120
Trichloroethene	25.0	27.7		ug/L		111	74 - 123
Trichlorofluoromethane	25.0	25.4		ug/L		102	62 - 150
Vinyl acetate	50.0	59.2		ug/L		118	50 - 144
Vinyl chloride	25.0	21.1		ug/L		85	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*
Toluene-d8 (Surr)	*97*		*80 - 120*

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141700-1

GC/MS VOA

Analysis Batch: 434318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141700-1	TB-04 (TRIP BLANK)	Total/NA	Water	8260C	
480-141700-2	MW-5F	Total/NA	Water	8260C	
480-141700-3	MW-6F	Total/NA	Water	8260C	
480-141700-4	MW-6B	Total/NA	Water	8260C	
480-141700-5	OW-29A	Total/NA	Water	8260C	
480-141700-6	OW-111B	Total/NA	Water	8260C	
480-141700-7	OW-11B	Total/NA	Water	8260C	
480-141700-8	OW-10B	Total/NA	Water	8260C	
480-141700-9	MW-1F	Total/NA	Water	8260C	
480-141700-10	OW-18A	Total/NA	Water	8260C	
MB 480-434318/7	Method Blank	Total/NA	Water	8260C	
LCS 480-434318/5	Lab Control Sample	Total/NA	Water	8260C	
480-141700-10 MS	OW-18A	Total/NA	Water	8260C	
480-141700-10 MSD	OW-18A	Total/NA	Water	8260C	

Analysis Batch: 434538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-141700-11	MW-2A	Total/NA	Water	8260C	
MB 480-434538/8	Method Blank	Total/NA	Water	8260C	
LCS 480-434538/6	Lab Control Sample	Total/NA	Water	8260C	

Client Sample ID: TB-04 (TRIP BLANK) — **Lab Sample ID: 480-141700-1**
Date Collected: 09/13/18 00:00 — **Matrix: Water**
Date Received: 09/13/18 13:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	434318	09/14/18 00:33	RLB	TAL BUF

Client Sample ID: MW-5F — **Lab Sample ID: 480-141700-2**
Date Collected: 09/13/18 10:46 — **Matrix: Water**
Date Received: 09/13/18 13:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	434318	09/14/18 01:02	RLB	TAL BUF

Client Sample ID: MW-6F — **Lab Sample ID: 480-141700-3**
Date Collected: 09/13/18 10:32 — **Matrix: Water**
Date Received: 09/13/18 13:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	434318	09/14/18 01:30	RLB	TAL BUF

Client Sample ID: MW-6B — **Lab Sample ID: 480-141700-4**
Date Collected: 09/13/18 10:25 — **Matrix: Water**
Date Received: 09/13/18 13:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	434318	09/14/18 01:58	RLB	TAL BUF

Client Sample ID: OW-29A — **Lab Sample ID: 480-141700-5**
Date Collected: 09/13/18 10:18 — **Matrix: Water**
Date Received: 09/13/18 13:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	434318	09/14/18 02:26	RLB	TAL BUF

Client Sample ID: OW-111B — **Lab Sample ID: 480-141700-6**
Date Collected: 09/13/18 09:05 — **Matrix: Water**
Date Received: 09/13/18 13:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		500	434318	09/14/18 02:54	RLB	TAL BUF

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141700-1

Client Sample ID: OW-11B — Lab Sample ID: 480-141700-7

Date Collected: 09/13/18 10:05 — **Matrix: Water**
Date Received: 09/13/18 13:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		400	434318	09/14/18 03:22	RLB	TAL BUF

Client Sample ID: OW-10B — Lab Sample ID: 480-141700-8

Date Collected: 09/13/18 09:25 — **Matrix: Water**
Date Received: 09/13/18 13:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		500	434318	09/14/18 03:50	RLB	TAL BUF

Client Sample ID: MW-1F — Lab Sample ID: 480-141700-9

Date Collected: 09/13/18 09:15 — **Matrix: Water**
Date Received: 09/13/18 13:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	434318	09/14/18 04:18	RLB	TAL BUF

Client Sample ID: OW-18A — Lab Sample ID: 480-141700-10

Date Collected: 09/13/18 09:50 — **Matrix: Water**
Date Received: 09/13/18 13:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	434318	09/14/18 04:46	RLB	TAL BUF

Client Sample ID: MW-2A — Lab Sample ID: 480-141700-11

Date Collected: 09/13/18 09:32 — **Matrix: Water**
Date Received: 09/13/18 13:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	434538	09/15/18 00:35	AMM	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141700-1

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-19

Method Summary

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141700-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring

TestAmerica Job ID: 480-141700-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-141700-1	TB-04 (TRIP BLANK)	Water	09/13/18 00:00	09/13/18 13:12
480-141700-2	MW-5F	Water	09/13/18 10:46	09/13/18 13:12
480-141700-3	MW-6F	Water	09/13/18 10:32	09/13/18 13:12
480-141700-4	MW-6B	Water	09/13/18 10:25	09/13/18 13:12
480-141700-5	OW-29A	Water	09/13/18 10:18	09/13/18 13:12
480-141700-6	OW-111B	Water	09/13/18 09:05	09/13/18 13:12
480-141700-7	OW-11B	Water	09/13/18 10:05	09/13/18 13:12
480-141700-8	OW-10B	Water	09/13/18 09:25	09/13/18 13:12
480-141700-9	MW-1F	Water	09/13/18 09:15	09/13/18 13:12
480-141700-10	OW-18A	Water	09/13/18 09:50	09/13/18 13:12
480-141700-11	MW-2A	Water	09/13/18 09:32	09/13/18 13:12

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

480-141700 COC

Client Information	Sampler: Lauren Hopp	Lab PM: Deyo, Melissa L	Carrier Tracking No(s): Delivered To Lab	COC No: 480-117569-2
Client Contact: Harrison Corbett / Project manager MIKE Plumb	Phone: 617-429-9790	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 1 / Page 8 of 8
Company: TRC Solutions, Inc.				Job #:
Address: Wannalancit Mills 650 Suffolk Street Suite 200	Due Date Requested:			
City: Lowell	TAT Requested (days): Standard 7 Day Holding Time			
State, Zip: MA, 01854	PO #: 126842			
Phone: ~~978-656(Tel)~~ 978-970-5600	WO #: SEQ#1			
Email: MPlumb@trcsolutions.com ~~HCorbett@trcsolutions.com~~	Project #: 48002700			
Project Name: Solvent Chemical Semi-annual Monitoring	SSOW#:			
Site:				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - Extended List Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
TB-04 (Trip Blank)	8/28/18		Lab Prep	Water	N	N	X	1	
MW-5F	9/13/18	1046	G	Water	N	N	X	3	
MW-6F		1032	G	Water	N	N	X	3	
MW-6B		1025	G	Water	N	N	X	3	
OW-29A		1018	G	Water	N	N	X	3	
OW-111B		0905	G	Water	N	N	X	3	
OW-11B		1005	G	Water	N	N	X	3	
OW-10B		0925	G	Water	N	N	X	3	
MW-1F		0915	G	Water	N	N	X	3	
OW-18A		0950	G	Water	N	Y	X	9	MS/MSD
MW-2A		0932	G	Water	N	N	X	3	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Lauren V. Hopp	9/13/18 1312	TRC		9/13/18 1312	TRC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.9 #1

Ver: 08/04/2016

9/26/2018

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 480-141700-1

Login Number: 141700

List Source: TestAmerica Buffalo

List Number: 1

Creator: Harper, Marcus D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	TRC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	