OPERATIONS, MAINTENANCE & MONITORING REPORT

SOLVENT CHEMICAL SITE, NIAGARA FALLS, NEW YORK

SITE #9-32-096

1st Semi-Annual Report for 2020

Prepared for:

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1.0 INTRODUCTION

This report documents the Operations, Maintenance and Monitoring (OM&M) activities conducted during the 1st semi-annual period for 2020 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 period. Section 4 presents the results of any ground water quality monitoring activities that occurred over the period. 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 quarter. The volume of treated groundwater for the 1st Semi-Annual Report for 2020 was approximately 8.35 million gallons. Appendix A provides tables of daily groundwater volumes and average flow rates from October 2019 through March 2020. Appendix B presents Solvent Chemical's Self-Monitoring Report submitted to the Niagara Falls' POTW for the 1st Semi-Annual Report of two for 2020. 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 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
9/9/19	Temporary pump installed in sump.
9/16/19	Pulled PW-6B pump for maintenance.
9/23/19	Pulled and cleaned pump for PW-7B, checked valve and cleaned line. Installed new sump pump and check valve.
10/01/19	Performed shutdown for annual system maintenance.
10/7/19	Performed work for annual system maintenance during shutdown.
10/11/19	Troubleshot startup after annual system maintenance.
10/14/19	Checked transducers and switches. PW-5B and PW-7B require additional work. Troubleshot condenser.
10/23/19	Troubleshot system issues with steam system.
10/28/19	Troubleshot transducer and level switches. Replaced fuses and digital panel meters. Replaced pump and motor for PW-4B with ¾ HP motor and pump.
11/4/19	Powerwashed screens for PW-3B and PW-2B.
11/11/19	Replaced pump for PW-4B.
11/18/19	Replaced two digital panel meters.
12/2/19	Pulled and cleaned pump for PW-5B. Replaced transducer for TW-1A.
12/9/2019	Troubleshot condenser and auto-sampler.
12/13/2019	Troubleshot auto-sampler with technician, circuit board found to be not working.
12/20/2019	Troubleshot glycol pump for condenser.
12/27/2019	Installed new panel meter for 4B and troubleshot transducers for TW-1A and PW-4B.
12/30/19	New glycol pump installed. Pulled and cleaned pump for PW-4B.
1/1/2020	Cleaned steam pump
1/3/2020	Pulled and cleaned pump for PW-4B

Date	Maintenance Action Taken
3/6/2020	Cleaned pump for PW-6B.
3/27/2020	Pulled and cleaned pump for PW-8B.

2.2.1 Annual System Maintenance

Shut down for annual system maintenance occurred in October of 2019.

2.3 Product Disposal

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

- On June 27, 2018, approximately 240 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 March 17, 2020. 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 March 17, 2020, 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 site inspection was performed on March 21, 2020.

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

Routine groundwater monitoring at the Site is conducted during the first and third quarters of each calendar year. The primary Contaminants of Concern (COCs) for the Site, as identified in the Record of Decision (ROD), are as follows:

- Benzene;
- Chlorobenzene;
- 1,2,4-trichlorobenzene;
- 1,2-dichlorobenzene;
- 1,3-dichlorobenzene; and,
- 1,4-dichlorobenzene.

The sampling results for this reporting period are presented in the following sub-sections.

- 4.1 Sampling Collection – Routine Sampling
- 4.2 Analytical Results – Routine Sampling
- 4.3 Monitoring for NAPL – Routine Monitoring

4.1 Analytical Results – Routine Sampling

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 – Routine Sampling

All of the primary COCs for the Site are volatile organic compounds (VOCs). Samples are collected using passive diffusion bags (PDBs), as approved by NYSDEC. Samples are analyzed for VOCs via method 8260.

PDBs were installed in thirty-three monitoring/observation wells (nine A-zone wells, nineteen B-zone wells, three C-zone wells, and two CD-zone wells) following sample collection in September of 2019. PDBs were installed in the three F-zone wells on March 6, 2020. 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 – Routine Monitoring

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. OW-11B had DNAPL on the PDB and was weighted from absorbing product. No product thickness was measured. The probe had some evidence of product at OW-13B, MW-6C, OW-11A, MW-2B, and PW-1B, but there was not enough product to measure.

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 changed significantly since the last report.

TABLES

TABLE 2.1 - GROUNDWATER ELEVATIONS
SOLVENT CHEMICAL, 3163 BUFFALO AVENUE, NIAGARA FALLS, NEW YORK
1ST QUARTER 2020

Monitoring Well No.	Reference Elevation (ft.)	3/17/2020	
		DTW (ft)	Elevation (ft.)
A - Zone:			
MW-1A	572.45	7.80	564.65
MW-2A	572.16	6.73	565.43
MW-5A	570.56	8.52	562.04
MW-6A	573.28	7.40	565.88
OW-1A	570.46	5.75	564.71
OW-5A	573.05	12.09	560.96
OW-6A	572.10	9.70	562.40
OW-7A	574.00	9.52	564.48
OW-8A	572.82	9.58	563.24
OW-9A	574.13	11.93	562.20
OW-10A	568.29	DRY	DRY
OW-11A	575.26	10.62	564.64
OW-12A	575.41	10.76	564.65
OW-13A	574.95	9.49	565.46
OW-14A	575.21	9.73	565.48
OW-15A	569.19	5.79	563.40
OW-16A	572.05	6.74	565.31
OW-17A	567.85	7.10	560.75
OW-18A	575.87	9.50	566.37
OW-19A	572.89	7.26	565.63
OW-20A	572.62	11.96	560.66
OW-21A	569.33	5.71	563.62
OW-22A	570.68	6.60	564.08
OW-26A	570.63	10.32	560.31
OW-27A	570.34	7.93	562.41
OW-29A	573.14	7.63	565.51
TW-1A	569.19	7.48	561.71
TW-2A	569.72	5.14	564.58
TW-3A	571.16	6.50	564.66
TW-4A	569.82	NM	-
TW-5A	569.33	NM	-
B-Zone:			
MW-1B	572.44	8.27	564.17
MW-2B	572.46	12.97	559.49
MW-4B [1]	573.50	18.14	555.36
MW-5B	571.48	DRY	DRY
MW-6B	573.40	16.82	556.58
OW-1B	570.95	14.00	556.95
OW-2B	573.98	19.88	554.10
OW-3B	572.64	16.27	556.37
OW-4B	570.55	13.67	556.88
OW-5B	568.31	11.88	556.43
OW-6B [4]	573.10	20.35	552.75
OW-7B [4]	572.73	26.67	546.06
OW-8B [4]	572.53	23.02	549.51
OW-10B	572.62	15.89	556.73
OW-11B	571.93	15.00	556.93
OW-12B	571.85	23.67	548.18
OW-13B	571.68	18.05	553.63
OW-14B [1]	570.87	14.23	556.64
OW-15B [1]	569.78	12.95	556.83
OW-18B [2]	576.05	NM	-
OW-22B [1]	570.90	14.30	556.60
OW-23B [1]	569.67	13.10	556.57
OW-24B [1]	570.36	13.70	556.66

TABLE 2.1 - GROUNDWATER ELEVATIONS
SOLVENT CHEMICAL, 3163 BUFFALO AVENUE, NIAGARA FALLS, NEW YORK
1ST QUARTER 2020

Monitoring Well No.	Reference Elevation (ft.)	3/17/2020	
		DTW (ft)	Elevation (ft.)
OW-25B [1]	570.9	14.1	556.80
OW-26B	571.64	22.82	548.82
OW-27B	569.81	17.18	552.63
OW-28B	568.76	13.71	555.05
OW-29B	568.16	13.55	554.61
OW-30B	568.10	19.52	548.58
OW-31B [1]	570.14	13.27	556.87
OW-32B [1]	569.99	13.16	556.83
OW-33B [1]	569.55	12.82	556.73
PW-1B	572.34	14.26	558.08
PW-2B	571.60	19.19	552.41
PW-3B [1]	571.21	21.75	549.46
PW-4B [1]	569.72	14.50	555.22
PW-5B	572.74	19.38	553.36
PW-6B	573.95	25.60	548.35
PW-7B	571.15	16.80	554.35
PW-8B	572.36	23.35	549.01
C-Zone:			
MW-1C	572.53	16.71	555.82
MW-4C	571.42	28.27	543.15
MW-5C	572.75	24.96	547.79
MW-6C [3]	573.60	NM	-
CD-Zone:			
MW-1CD	572.78	17.10	555.68
MW-5CD	570.50	26.20	544.30
MW-6CD [2]	573.45	NM	-
F-Zone:			
MW-1F	572.40	16.02	556.38
MW-5F	572.78	19.10	553.68
MW-6F	573.52	19.96	553.56
Piezometers:			
PZ-01	572.46	6.97	565.49
PZ-02	572.14	6.69	565.45
PZ-03	571.95	6.53	565.42
PZ-04	572.03	6.60	565.43

Notes:
1) Monitoring wells within the Hot Spot were measured on 3/24/20.
2) OW-18B and MW-6CD were not measured due to an obstruction in the well.
3) MW-6C is bailed monthly.
4) Monitoring wells measured on 3/18/20.

TABLE 4.1 - GROUND WATER ANALYTICAL RESULTS
SOLVENT CHEMICAL, 3163 BUFFALO AVENUE, NIAGARA FALLS, NY
March 2020

Location	Date Sample	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
	Effluent Limit*	1	5	5	3	3	3	N/A	5	5	1	5	5	N/A	5	0.04	5	0.04	0.0006	0.6	1	5	N/A
A Zone																							
MW-02A	03/25/2020	**140 J**	**5,400**	**160 J**	**1,700**	**380**	**1,900**	< 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
MW-05A	03/17/2020	< 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
OW-09A	03/17/2020	< 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	< 100 U	< 100 U	< 100 U	< 100 U
OW-12A	03/24/2020	**84 J**	**2,200**	**440**	**6,500**	**1,700**	**5,400**	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U
OW-15A	03/18/2020	< 10 U	**70**	**190**	**470**	**100**	**250**	< 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
OW-16A	03/17/2020	< 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
OW-18A	03/18/2020	**270**	**5,800**	**130 J**	**5,500**	**1,200**	**9,300 F1**	< 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
OW-22A	03/24/2020	< 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
OW-29A	03/25/2020	< 200 U	**5,500**	**1,300**	**11,000**	**2,500**	**6,600**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	**410**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U
B Zone																							
MW-01B	03/24/2020	< 100 U	**6,000**	< 100 U	**340**	**400**	**2,000**	< 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
MW-04B	03/18/2020	< 200 U	**190 J**	**250**	**720**	**320**	**580**	< 200 U	< 200 U	**510**	< 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
MW-06B	03/25/2020	**330**	**2,600**	**160**	**3,500**	**990**	**2,500**	< 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
OW-05B	03/18/2020	< 200 U	**190 J**	**91 J**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	**290**	< 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
DUP OW-05B	03/18/2020	**52 J**	**170**	**89 J**	**100**	**100**	**130**	< 100 U	< 100 U	**280**	< 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
OW-06B	03/18/2020	**73**	**510**	**770**	**490**	**280**	**550**	< 50 U	< 50 U	**70**	< 50 U	< 50 U	< 50 U	< 50 U	**30 J**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
OW-07B	03/18/2020	< 1.0 U	**6.0**	< 1.0 U	< 1.0 U	**1.6**	**1.3**	< 1.0 U	< 1.0 U	**13**	**0.57 J**	**1.6**	< 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
OW-08B	03/18/2020	< 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	**1.3 J**	**1.3 J**	< 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
OW-10B	03/25/2020	**370 J**	**7,500**	**1,200**	**10,000**	**2,100**	**7,900**	< 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
OW-11B	03/25/2020	**7,100**	**12,000**	**2,700**	**25,000**	**6,200**	**20,000**	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	**1,000**	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U
DUP OW-11B	03/25/2020	**6,900**	**12,000**	**2,900**	**25,000**	**6,200**	**20,000**	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	**1,100**	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U
OW-12B	03/18/2020	**40**	**1,100**	**3.0**	**310**	**320.0**	**670**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**2.0**	< 1.0 U	< 1.0 U	**0.47 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
OW-13B	03/17/2020	**1,300**	**8,100**	**5,900**	**6,400**	**1,500**	**5,200**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	**400**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U
DUP OW-13B	03/18/2020	**1,400**	**8,100**	**5,600**	**6,600**	**1,600**	**5,500**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	**370**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U
OW-14B	03/24/2020	< 100 U	**1,700**	**720**	**4,000**	**1,800**	**6,100**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	**180**	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U
OW-15B	03/24/2020	**10 J**	**67**	< 25 U	< 25 U	**29**	**35**	< 25 U	< 25 U	**34**	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 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
OW-22B	03/24/2020	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**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
OW-26B	03/17/2020	< 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	**1.2 J**	< 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
OW-27B	03/17/2020	**290**	**2,000**	**160**	**1,000**	**430**	**1,300**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	**27 J**	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
OW-28B	03/18/2020	< 50 U	**54**	**68**	**49 J**	**39 J**	**62**	< 50 U	< 50 U	**240**	< 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
OW-29B	03/18/2020	**830**	**4,600**	**2,000**	**3,500**	**1,000**	**3,000**	< 200 U	< 200 U	**250**	< 200 U	< 200 U	< 200 U	< 200 U	**190 J**	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U
OW-30B	03/17/2020	**0.80 J**	**2.4**	< 1.0 U	**2.2**	**2.8**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	**4.1**	< 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
C Zone																							
MW-01C	03/25/2020	< 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
MW-04C	03/18/2020	**3,000**	**3,900**	**500**	**1,600**	< 400 U	**1,100**	< 400 U	< 400 U	**290 J**	< 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
MW-05C	03/17/2020	**35**	**1,200**	< 20 U	**480**	**650**	**1,200**	< 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
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
CD Zone																							
MW-01CD	03/25/2020	**5,500**	**50,000**	< 800 U	**14,000**	**1,900**	**9,800**	< 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
MW-05CD	03/17/2020	**38**	< 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
F Zone																							
MW-01F	03/24/2020	< 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

TABLE 4.1 - GROUND WATER ANALYTICAL RESULTS
SOLVENT CHEMICAL, 3163 BUFFALO AVENUE, NIAGARA FALLS, NY
March 2020

Location	Date Sample	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
MW-05F	03/24/2020	**160**	**1,000**	**44 J**	**1,700**	**160**	**710**	< 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
MW-06F	03/24/2020	< 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

Note:

All units in ug/l.

QUALIFIERS

GC/MS VOA

J: Estimated value.

J-: Estimated value; bias low.

N/A : Not available.

NS: Not Sampled

F1: MS and/or MSD Recovery is outside acceptance limits.

R: Rejected data point.

UJ: Estimated non-detect.

U: Non-detect.

* - NYSDEC Groundwater effluent limitations for discharges to Class GA waters, 2019.

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
March 2020

Location	Date Sample	Remaining Detected Analytes																					
		2,2-Dichloropropane	2-Butanone (MEK)	2-Chloroethyl vinyl ether	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
	Effluent Limit*	N/A	50	N/A	50	N/A	50	5	5	50	50	5	120	5	5	7	5	5	0.4	50	5	5	0.5	5
A Zone																								
MW-02A	03/25/2020	< 200 U	< 2,000 U	< 1,000 U	< 1,000 U	< 1,000 U	< 2,000 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	< 200 U
MW-05A	03/17/2020	< 1.0 U	< 10 U	< 5.0 U	< 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	< 2.0 U	< 1.0 U
OW-09A	03/17/2020	< 100 U	< 1,000 U	< 500 U	< 500 U	< 500 U	< 1,000 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	**350**	< 100 U	< 100 U	< 100 U	< 100 U	< 200 U	< 100 U
OW-12A	03/24/2020	< 130 U	< 1,300 U	< 630 U	< 630 U	< 630 U	< 1,300 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 250 U	< 130 U
OW-15A	03/18/2020	< 10 U	< 100 U	< 50 UJ	< 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	< 20 U	< 10 U
OW-16A	03/17/2020	< 1.0 U	< 10 U	< 5.0 U	< 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	< 2.0 U	< 1.0 U
OW-18A	03/18/2020	< 200 U	< 2,000 U	< 1,000 U	< 1,000 U	< 1,000 U	< 2,000 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	< 200 U
OW-22A	03/24/2020	< 1.0 U	< 10 U	< 5.0 U	< 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	< 2.0 U	< 1.0 U
OW-29A	03/25/2020	< 200 U	< 2,000 U	< 1,000 U	< 1,000 U	< 1,000 U	< 2,000 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	< 200 U
B Zone																								
MW-01B	03/24/2020	< 100 U	< 1,000 U	< 500 U	< 500 U	< 500 U	< 1,000 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	< 100 U
MW-04B	03/18/2020	< 200 U	< 2,000 U	< 1,000 U	< 1,000 U	< 1,000 U	< 2,000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	**280**	< 200 U	**1,800**	< 200 U	< 200 U	< 200 U	< 200 U	< 400 U	< 200 U
MW-06B	03/25/2020	< 100 U	< 1,000 U	< 500 U	< 500 U	< 500 U	< 1,000 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	< 100 U
OW-05B	03/18/2020	< 200 U	< 2,000 U	< 1,000 UJ	< 1,000 U	< 1,000 U	< 2,000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	**1,500**	< 200 U	< 200 U	< 200 U	< 200 U	< 400 U	< 200 U
DUP OW-05B	03/18/2020	< 100 U	< 1,000 U	< 500 U	< 500 U	< 500 U	< 1,000 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	**1,300**	< 100 U	< 100 U	< 100 U	< 100 U	< 200 U	< 100 U
OW-06B	03/18/2020	< 50 U	< 500 U	< 250 U	< 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	**3,000**	< 50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 50 U
OW-07B	03/18/2020	< 1.0 U	< 10 U	< 5.0 U	< 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	**1.8**	< 1.0 U	**84**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U
OW-08B	03/18/2020	< 2.0 U	< 20 U	< 10 UJ	< 10 U	< 10 U	**26**	< 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	**50**	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 4.0 U	< 2.0 U
OW-10B	03/25/2020	< 500 U	< 5,000 U	< 2,500 U	< 2,500 U	< 2,500 U	< 5,000 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	< 1,000 U	< 500 U
OW-11B	03/25/2020	< 400 U	< 4,000 U	< 2,000 U	< 2,000 U	< 2,000 U	< 4,000 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	< 800 U	< 400 U
DUP OW-11B	03/25/2020	< 500 U	< 5,000 U	< 2,500 U	< 2,500 U	< 2,500 U	< 5,000 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	< 1,000 U	< 500 U
OW-12B	03/18/2020	< 1.0 U	< 10 U	< 5.0 U	< 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	**53**	< 1.0 U	< 1.0 U	< 1.0 U	**0.82 J**	< 2.0 U	< 1.0 U
OW-13B	03/17/2020	< 200 U	< 2,000 U	< 1,000 U	< 1,000 U	< 1,000 U	< 2,000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	**7,700**	< 200 U	< 200 U	< 200 U	< 200 U	< 400 U	< 200 U
DUP OW-13B	03/18/2020	< 200 U	< 2,000 U	< 1,000 U	< 1,000 U	< 1,000 U	< 2,000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	**7,900**	< 200 U	< 200 U	< 200 U	< 200 U	< 400 U	< 200 U
OW-14B	03/24/2020	< 100 U	< 1,000 U	< 500 U	< 500 U	< 500 U	< 1,000 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	**140**	< 100 U	< 100 U	< 100 U	< 100 U	< 200 U	< 100 U
OW-15B	03/24/2020	< 25 U	< 250 U	< 130 U	< 130 U	< 130 U	< 250 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**510**	< 25 U	< 25 U	< 25 U	< 25 U	< 50 U	< 25 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
OW-22B	03/24/2020	< 20 U	< 200 U	< 100 U	< 100 U	< 100 U	< 200 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**54**	< 20 U	**660**	< 20 U	< 20 U	< 20 U	< 20 U	< 40 U	< 20 U
OW-26B	03/17/2020	< 2.0 U	< 20 U	< 10 U	< 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	**6**	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 4.0 U	< 2.0 U
OW-27B	03/17/2020	< 50 U	< 500 U	< 250 U	< 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	**1,300**	< 50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 50 U
OW-28B	03/18/2020	< 50 U	< 500 U	< 250 U	< 250 U	< 250 U	< 500 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	**63**	< 50 U	**1,900**	< 50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 50 U
OW-29B	03/18/2020	< 200 U	< 2,000 U	< 1,000 U	< 1,000 U	< 1,000 U	< 2,000 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	**9,700**	< 200 U	< 200 U	< 200 U	< 200 U	< 400 U	< 200 U
OW-30B	03/17/2020	< 1.0 U	< 10 U	< 5.0 U	< 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	**13.0**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 1.0 U
C Zone																								
MW-01C	03/25/2020	< 50 U	< 500 U	< 250 U	< 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	**2,800**	< 50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 50 U
MW-04C	03/18/2020	< 400 U	< 4,000 U	< 2,000 U	< 2,000 U	< 2,000 U	< 4,000 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	**19,000**	< 400 U	< 400 U	< 400 U	< 400 U	< 800 U	< 400 U
MW-05C	03/17/2020	< 20 U	< 200 U	< 100 U	< 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	< 40 U	< 20 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
CD Zone																								
MW-01CD	03/25/2020	< 800 U	< 8,000 U	< 4,000 U	< 4,000 U	< 4,000 U	< 8,000 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	**8,700**	< 800 U	< 800 U	< 800 U	< 800 U	< 1,600 U	< 800 U
MW-05CD	03/17/2020	< 10 U	< 100 U	< 50 UJ	< 50 U	< 50 U	< 100 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ	< 10 U	< 10 U	< 10 UJ	< 10 U	< 10 U	**550**	< 10 U	< 10 U	< 10 UJ	< 10 U	< 20 U	< 10 U
F Zone																								
MW-01F	03/24/2020	< 50 U	< 500 U	< 250 U	< 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	< 100 U	< 50 U

TABLE 4.1 - GROUND WATER ANALYTICAL RESULTS
SOLVENT CHEMICAL, 3163 BUFFALO AVENUE, NIAGARA FALLS, NY
March 2020

Location	Date Sample	Remaining Detected Analytes																						
		2,2-Dichloropropane	2-Butanone (MEK)	2-Chloroethyl vinyl ether	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
MW-05F	03/24/2020	< 100 U	< 1,000 U	< 500 U	< 500 U	< 500 U	< 1,000 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	**530**	< 100 U	< 100 U	< 100 U	< 100 U	< 200 U	< 100 U
MW-06F	03/24/2020	< 20 U	< 200 U	< 100 U	< 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	**1,100**	< 20 U	< 20 U	< 20 U	< 20 U	< 40 U	< 20 U

Note:

All units in ug/l.

QUALIFIERS

GC/MS VOA

J: Estimated value.

J-: Estimated value; bias low.

N/A : Not available.

NS: Not Sampled

F1: MS and/or MSD Recovery is outside acceptance limits.

R: Rejected data point.

UJ: Estimated non-detect.

U: Non-detect.

* - NYSDEC Groundwater effluent limitations for discharges to Class GA waters, 2019.

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
March 2020

Location	Date Sample	m,p-Xylene	Methyl tert-butyl ether	Methylene chloride	n-Butylbenzene	n-Propylbenzene	Naphthalene	2-Chlorotoluene	o-Xylene	4-Chlorotoluene	4-Isopropyltoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
	Effluent Limit*	5	10	5	5	5	10	5	5	5	5	5	5	5	5	5	5	0.4	5	5	N/A	2
A Zone																						
MW-02A	03/25/2020	< 400 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	< 200 U	< 1,000 U	< 200 U
MW-05A	03/17/2020	< 2.0 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	**8.9**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U
OW-09A	03/17/2020	< 200 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	**7,800**	< 100 U	< 100 U	< 100 U	**280**	< 100 U	< 500 U	< 100 U
OW-12A	03/24/2020	< 250 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 130 U	< 630 U	< 130 U
OW-15A	03/18/2020	< 20 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	< 50 U	< 10 U
OW-16A	03/17/2020	< 2.0 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	< 5.0 U	< 1.0 U
OW-18A	03/18/2020	< 400 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	< 200 U	< 1,000 U	< 200 U
OW-22A	03/24/2020	< 2.0 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	< 5.0 U	< 1.0 U
OW-29A	03/25/2020	< 400 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	< 200 U	< 1,000 U	< 200 U
B Zone																						
MW-01B	03/24/2020	< 200 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	< 100 U	< 500 U	< 100 U
MW-04B	03/18/2020	< 400 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	**1,800**	< 200 U	< 200 U	< 200 U	**6,000**	< 200 U	< 1,000 U	< 200 U
MW-06B	03/25/2020	< 200 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	< 100 U	< 500 U	< 100 U
OW-05B	03/18/2020	< 400 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	**2,000**	< 200 U	< 200 U	< 200 U	**4,700**	< 200 U	< 1,000 U	< 200 U
DUP OW-05B	03/18/2020	< 200 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	**1,800**	< 100 U	< 100 U	< 100 U	**4,100**	< 100 U	< 500 U	**110**
OW-06B	03/18/2020	< 100 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	**570**	< 50 U	**77**	< 50 U	**1,000**	< 50 U	< 250 U	**420**
OW-07B	03/18/2020	< 2.0 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	**37**	< 1.0 U	**11**	< 1.0 U	**96**	< 1.0 U	< 5.0 U	< 1.0 U
OW-08B	03/18/2020	< 4.0 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 U	< 2.0 U	< 2.0 U	**60**	< 2.0 U	< 10 U	< 2.0 U
OW-10B	03/25/2020	< 1,000 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	< 500 U	< 2,500 U	< 500 U
OW-11B	03/25/2020	< 800 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	< 400 U	< 2,000 U	< 400 U
DUP OW-11B	03/25/2020	< 1,000 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	< 500 U	< 2,500 U	< 500 U
OW-12B	03/18/2020	< 2.0 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	**2.1**	< 1.0 U	**4.3**	< 1.0 U	**2.6**	< 1.0 U	< 5.0 U	**14**
OW-13B	03/17/2020	< 400 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	**590**	< 200 U	**220**	< 200 U	**280**	< 200 U	< 1,000 U	**2,200**
DUP OW-13B	03/18/2020	< 400 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	**550**	< 200 U	**210**	< 200 U	**250**	< 200 U	< 1,000 U	**1,900**
OW-14B	03/24/2020	< 200 U	< 100 U	**59 J**	< 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	03/24/2020	< 50 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	**290**	< 25 U	< 25 U	< 25 U	**310**	< 25 U	< 130 U	< 25 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	03/24/2020	< 40 U	< 20 U	**16 J**	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**840 F1**	< 20 U	< 20 U	< 20 U	**1,900 F1**	< 20 U	< 100 U	< 20 U
OW-26B	03/17/2020	< 4.0 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	**110**	< 2.0 U	< 2.0 U	< 2.0 U	**8.3**	< 2.0 U	< 10 U	< 2.0 U
OW-27B	03/17/2020	< 100 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	**180**	< 50 U	**52**	< 50 U	**98**	< 50 U	< 250 U	**410**
OW-28B	03/18/2020	< 100 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	**1,300**	< 50 U	**47 J**	< 50 U	**2,700**	< 50 U	< 250 U	**55**
OW-29B	03/18/2020	< 400 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	**1,800**	< 200 U	**250**	< 200 U	**2,300**	< 200 U	< 1,000 U	**2,000**
OW-30B	03/17/2020	< 2.0 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	**26**	< 1.0 U	**3.6**	< 1.0 U	**33**	< 1.0 U	< 5.0 U	**0.96 J**
C Zone																						
MW-01C	03/25/2020	< 100 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	**130**	< 50 U	< 50 U	< 50 U	< 250 U	**320**
MW-04C	03/18/2020	< 800 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	**3,600**	< 400 U	< 400 U	< 400 U	**3,800**	< 400 U	< 2,000 U	**1,200**
MW-05C	03/17/2020	< 40 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	< 100 U	< 20 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	03/25/2020	< 1,600 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	< 800 U	< 4,000 U	**1,500**
MW-05CD	03/17/2020	< 20 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	**45**	< 10 U	< 10 U	< 10 U	< 50 U	**290**
F Zone																						
MW-01F	03/24/2020	< 100 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	< 250 U	**2,300**

TABLE 4.1 - GROUND WATER ANALYTICAL RESULTS
SOLVENT CHEMICAL, 3163 BUFFALO AVENUE, NIAGARA FALLS, NY
March 2020

Location	Date Sample	m,p-Xylene	Methyl tert-butyl ether	Methylene chloride	n-Butylbenzene	n-Propylbenzene	Naphthalene	2-Chlorotoluene	o-Xylene	4-Chlorotoluene	4-Isopropyltoluene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
MW-05F	03/24/2020	< 200 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	**97 J**	< 100 U	< 100 U	< 100 U	< 500 U	**4,700**
MW-06F	03/24/2020	< 40 U	< 20 U	**25**	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	**39**	< 20 U	< 20 U	< 20 U	< 100 U	**1,500**

Note:

All units in ug/l.

QUALIFIERS

GC/MS VOA

J: Estimated value.

J-: Estimated value; bias low.

N/A : Not available.

NS: Not Sampled

F1: MS and/or MSD Recovery is outside acceptance limits.

R: Rejected data point.

UJ: Estimated non-detect.

U: Non-detect.

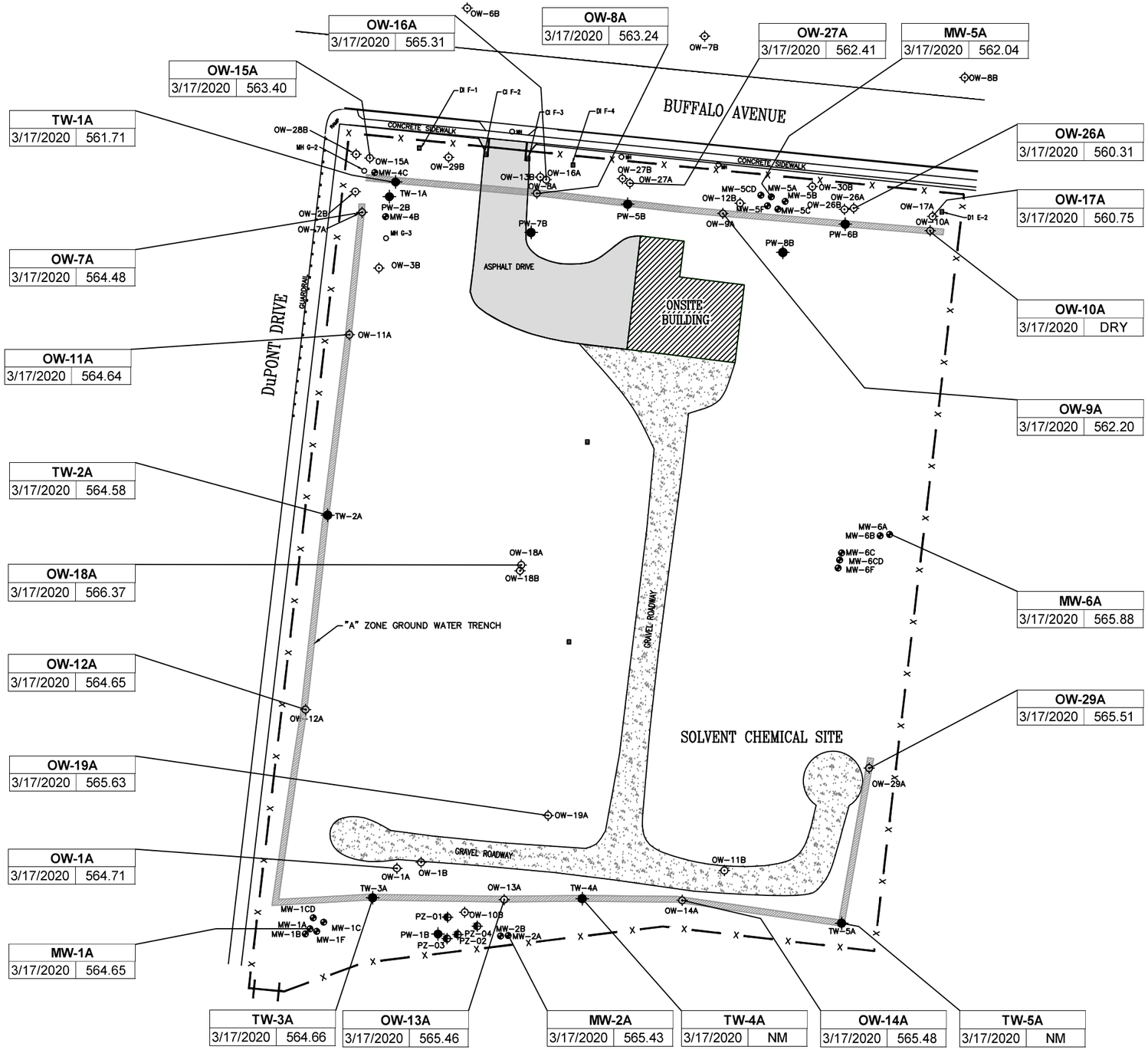
* - NYSDEC Groundwater effluent limitations for discharges to Class GA waters, 2019.

N/A - No criteria available.

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

Values show [redacted]

FIGURES



LEGEND

OW-9A	WELL ID
3/17/2020 562.20	PIEZOMETRIC SURFACE ELEVATIONS (FT.) (NM = NOT MEASURED)

DATE OF MEASUREMENT

NOTE

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

SCALE IN FEET

0 40' 80'

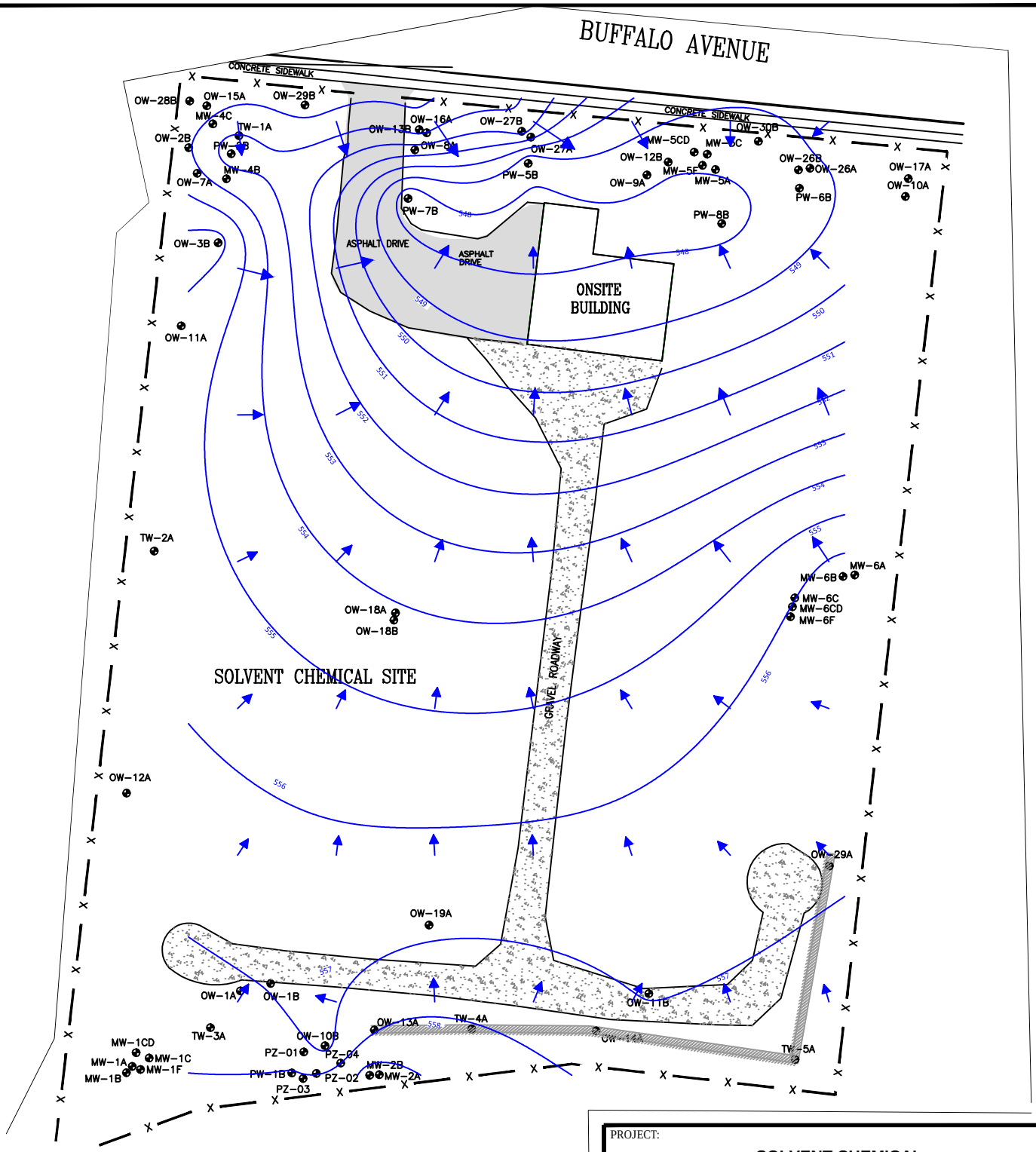
PROJECT:
SOLVENT CHEMICAL
NIAGARA FALLS, NEW YORK

TITLE:
OVERBURDEN WATER LEVELS
SOLVENT SITE
MARCH 17, 2020

DRAWN BY:	CL	PROJ. NO.:	105146
CHECKED BY:	EG		FIGURE 1
APPROVED BY:	MP		
DATE:	APRIL 2020		

TRC
650 Suffolk Street
Suite 200
Lowell, MA 01854
Phone: 978.970.5600

FILE NO.: Fig 1_AZONE_WATERLEVELS 2020 1st.dwg



LEGEND:

556 GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

—X— CHAIN LINK FENCE

PW,OW,MW SOLVENT PUMPING OR MONITORING WELL

NOTE: OW-1B OMITTED DUE TO ANOMALOUS DATA.

SCALE IN FEET

0 80' 160'

PROJECT:

SOLVENT CHEMICAL
NIAGRA FALLS, NEW YORK

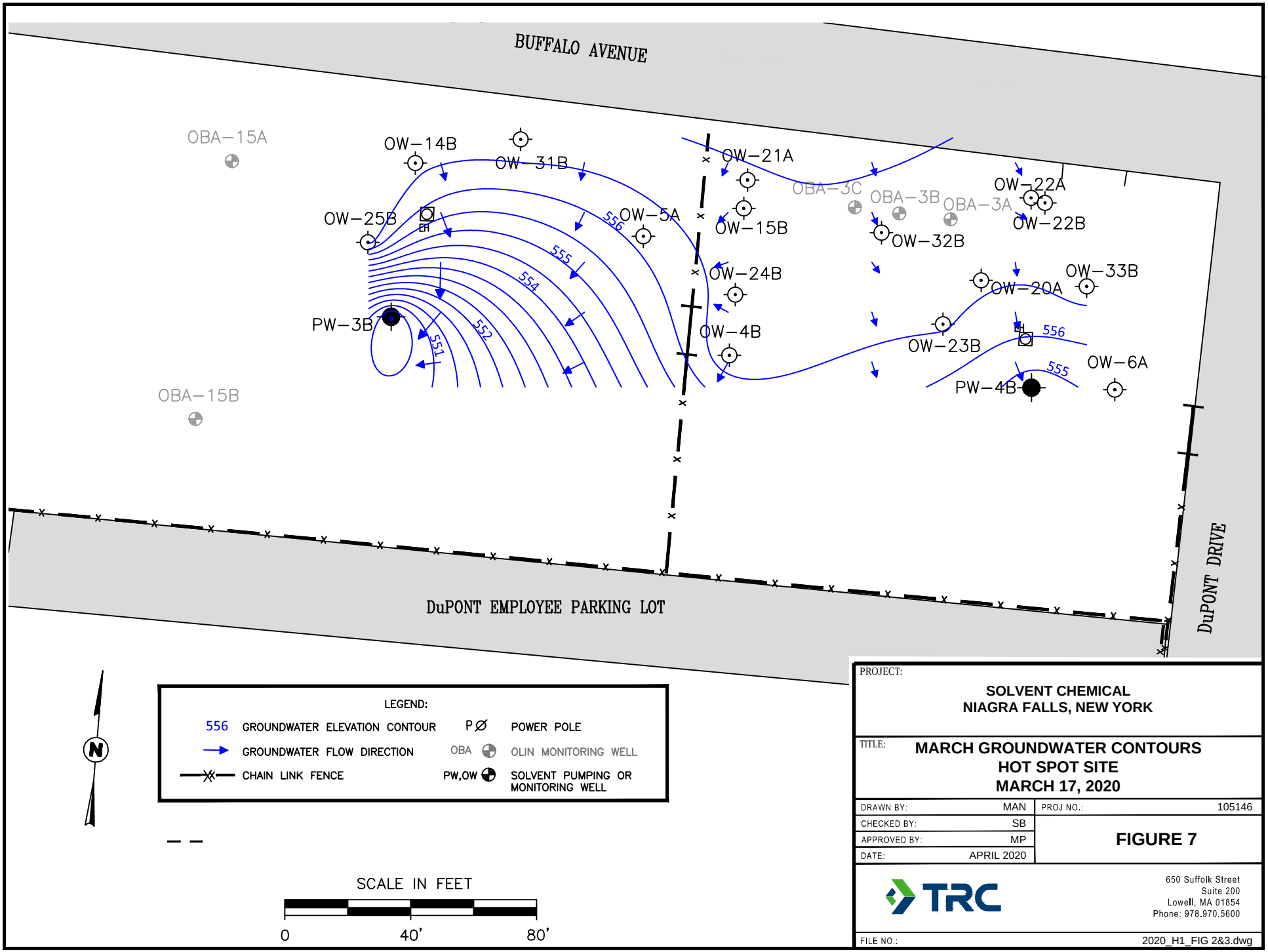
TITLE: **MARCH GROUNDWATER CONTOURS**
SOLVENT SITE
MARCH 17, 2020

DRAWN BY:	MAN	PROJ NO.:	105146
CHECKED BY:	SB		
APPROVED BY:	MP		**FIGURE 5**
DATE:	APRIL 2020		

TRC
650 Suffolk Street
Suite 200
Lowell, MA 01854
Phone: 978.970.5600

FILE NO.: 2019_H1_FIG 2&3.dwg

FILE: J:\Projects\27397 - Solvent Chemical\Quarterly, Semi-Annual and Annual Reports\2020 Semi-Annual 1\Figures\CAD\2020_H1_FIG 2&3.dwg



PROJECT:
SOLVENT CHEMICAL
NIAGRA FALLS, NEW YORK

TITLE:
MARCH GROUNDWATER CONTOURS
HOT SPOT SITE
MARCH 17, 2020

DRAWN BY:	MAN	PROJ NO.:	105146
CHECKED BY:	SB		
APPROVED BY:	MP		FIGURE 7
DATE:	APRIL 2020		

TRC
650 Suffolk Street
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Phone: 978.970.5600

FILE NO.: 2020_H1_FIG 2&3.dwg

FILE: J:\Projects\27397 – Solvent Chemical\Quarterly, Semi-Annual and Annual Reports\2020 Semi-Annual 1\Figures\CAD\2020_H1_FIG 2&3.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

MW-5A			
Total COCs:	BDL	1,2-DCB	BDL
Benzene	BDL	1,3-DCB	BDL
CB	BDL	1,4-DCB	BDL
1,2,4-TCB	BDL		
Remaining Detected Analytes			
PCE	8.9		

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

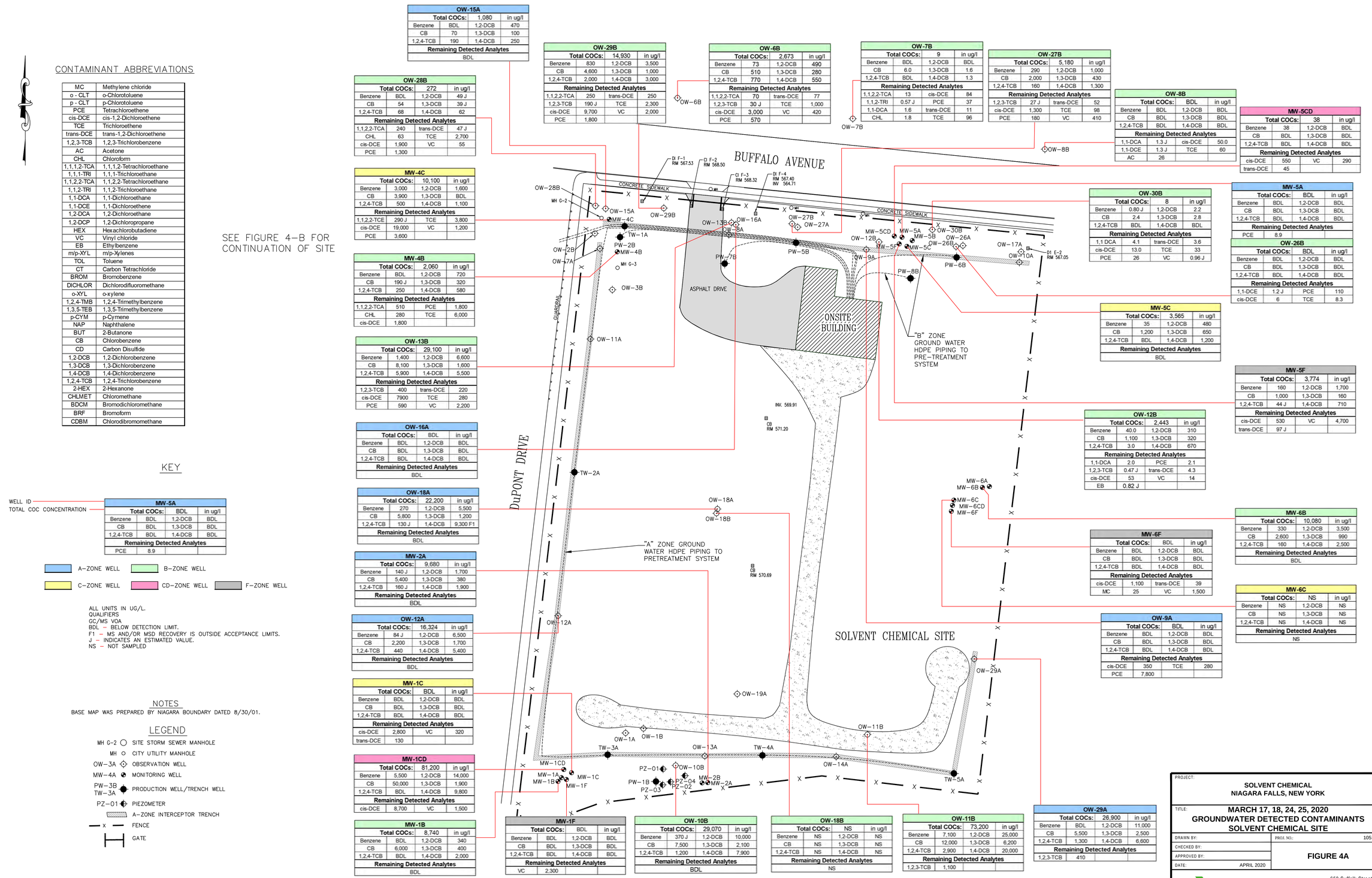
ALL UNITS IN UG/L.
QUALIFIERS
GC/MS VOA
BDL = BELOW DETECTION LIMIT.
F1 = MS AND/OR MSD RECOVERY IS OUTSIDE ACCEPTANCE LIMITS.
J = INDICATES AN ESTIMATED VALUE.
NS = NOT SAMPLED

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
- FENCE
- GATE



OW-15A			
Total COCs:	1,080		in ug/l
Benzene	BDL	1,2-DCB	470
CB	70	1,3-DCB	100
1,2,4-TCB	190	1,4-DCB	250
Remaining Detected Analytes			
BDL			

OW-29B			
Total COCs:	14,930		in ug/l
Benzene	830	1,2-DCB	3,500
CB	4,600	1,3-DCB	1,000
1,2,4-TCB	2,000	1,4-DCB	3,000
Remaining Detected Analytes			
1,1,2,2-TCA	250	trans-DCE	250
1,2,3-TCB	190 J	TCE	2,300
cis-DCE	9,700	VC	2,000
PCE	1,800		

OW-6B			
Total COCs:	2,673		in ug/l
Benzene	73	1,2-DCB	490
CB	510	1,3-DCB	280
1,2,4-TCB	770	1,4-DCB	550
Remaining Detected Analytes			
1,1,2,2-TCA	70	trans-DCE	77
1,2,3-TCB	30 J	TCE	1,000
cis-DCE	3,000	VC	420
PCE	570		

OW-7B			
Total COCs:	9		in ug/l
Benzene	BDL	1,2-DCB	BDL
CB	6.0	1,3-DCB	1.6
1,2,4-TCB	BDL	1,4-DCB	1.3
Remaining Detected Analytes			
1,1,2,2-TCA	13	cis-DCE	84
1,1,2-TRI	0.57 J	PCE	37
1,1-DCA	1.6	trans-DCE	11
CHL	1.8	TCE	96

OW-27B			
Total COCs:	5,180		in ug/l
Benzene	290	1,2-DCB	1,000
CB	2,000	1,3-DCB	430
1,2,4-TCB	160	1,4-DCB	1,300
Remaining Detected Analytes			
1,2,3-TCB	27 J	trans-DCE	52
cis-DCE	1,300	TCE	98
PCE	180	VC	410

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	1.3 J	cis-DCE	50.0
1,1-DCE	1.3 J	TCE	60
AC	26		

MW-5CD			
Total COCs:	38		in ug/l
Benzene	38	1,2-DCB	BDL
CB	BDL	1,3-DCB	BDL
1,2,4-TCB	BDL	1,4-DCB	BDL
Remaining Detected Analytes			
cis-DCE	550	VC	290
trans-DCE	45		

OW-28B			
Total COCs:	272		in ug/l
Benzene	BDL	1,2-DCB	49 J
CB	54	1,3-DCB	39 J
1,2,4-TCB	68	1,4-DCB	62
Remaining Detected Analytes			
1,1,2,2-TCA	240	trans-DCE	47 J
CHL	63	TCE	2,700
cis-DCE	1,900	VC	55
PCE	1,300		

MW-4C			
Total COCs:	10,100		in ug/l
Benzene	3,000	1,2-DCB	1,600
CB	3,900	1,3-DCB	BDL
1,2,4-TCB	500	1,4-DCB	1,100
Remaining Detected Analytes			
1,1,2,2-TCE	290 J	TCE	3,800
cis-DCE	19,000	VC	1,200
PCE	3,600		

MW-4B			
Total COCs:	2,060		in ug/l
Benzene	BDL	1,2-DCB	720
CB	190 J	1,3-DCB	320
1,2,4-TCB	250	1,4-DCB	580
Remaining Detected Analytes			
1,1,2,2-TCA	510	PCE	1,800
CHL	280	TCE	6,000
cis-DCE	1,800		

OW-13B			
Total COCs:	29,100		in ug/l
Benzene	1,400	1,2-DCB	6,600
CB	8,100	1,3-DCB	1,600
1,2,4-TCB	5,900	1,4-DCB	5,500
Remaining Detected Analytes			
1,2,3-TCB	400	trans-DCE	220
cis-DCE	7900	TCE	280
PCE	590	VC	2,200

OW-16A			
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			
BDL			

OW-18A			
Total COCs:	22,200		in ug/l
Benzene	270	1,2-DCB	5,500
CB	5,800	1,3-DCB	1,200
1,2,4-TCB	130 J	1,4-DCB	9,300 F1
Remaining Detected Analytes			
BDL			

MW-2A			
Total COCs:	9,680		in ug/l
Benzene	140 J	1,2-DCB	1,700
CB	5,400	1,3-DCB	380
1,2,4-TCB	160 J	1,4-DCB	1,900
Remaining Detected Analytes			
BDL			

OW-12A			
Total COCs:	16,324		in ug/l
Benzene	84 J	1,2-DCB	6,500
CB	2,200	1,3-DCB	1,700
1,2,4-TCB	440	1,4-DCB	5,400
Remaining Detected Analytes			
BDL			

MW-1C			
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	2,800	VC	320
trans-DCE	130		

MW-1CD			
Total COCs:	81,200		in ug/l
Benzene	5,500	1,2-DCB	14,000
CB	50,000	1,3-DCB	1,900
1,2,4-TCB	BDL	1,4-DCB	9,800
Remaining Detected Analytes			
cis-DCE	8,700	VC	1,500

MW-1B			
Total COCs:	8,740		in ug/l
Benzene	BDL	1,2-DCB	340
CB	6,000	1,3-DCB	400
1,2,4-TCB	BDL	1,4-DCB	2,000
Remaining Detected Analytes			
BDL			

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	2,300		

OW-10B			
Total COCs:	29,070		in ug/l
Benzene	370 J	1,2-DCB	10,000
CB	7,500	1,3-DCB	2,100
1,2,4-TCB	1,200	1,4-DCB	7,900
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:	73,200		in ug/l
Benzene	7,100	1,2-DCB	25,000
CB	12,000	1,3-DCB	6,200
1,2,4-TCB	2,900	1,4-DCB	20,000
Remaining Detected Analytes			
1,2,3-TCB	1,100		

OW-29A			
Total COCs:	26,900		in ug/l
Benzene	BDL	1,2-DCB	11,000
CB	5,500	1,3-DCB	2,500
1,2,4-TCB	1,300	1,4-DCB	6,600
Remaining Detected Analytes			
1,2,3-TCB	410		

OW-30B			
Total COCs:	8		in ug/l
Benzene	0.80 J	1,2-DCB	2.2
CB	2.4	1,3-DCB	2.8
1,2,4-TCB	BDL	1,4-DCB	BDL
Remaining Detected Analytes			
1,1 DCA	4.1	trans-DCE	3.6
cis-DCE	13.0	TCE	33
PCE	26	VC	0.96 J

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	8.9		

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			
1,1-DCE	1.2 J	PCE	110
cis-DCE	6	TCE	8.3

MW-5C			
Total COCs:	3,565		in ug/l
Benzene	35	1,2-DCB	480
CB	1,200	1,3-DCB	650
1,2,4-TCB	BDL	1,4-DCB	1,200
Remaining Detected Analytes			
BDL			

MW-5F			
Total COCs:	3,774		in ug/l
Benzene	160	1,2-DCB	1,700
CB	1,000	1,3-DCB	160
1,2,4-TCB	44 J	1,4-DCB	710
Remaining Detected Analytes			
cis-DCE	530	VC	4,700
trans-DCE	97 J		

OW-12B			
Total COCs:	2,443		in ug/l
Benzene	40.0	1,2-DCB	310
CB	1,100	1,3-DCB	320
1,2,4-TCB	3.0	1,4-DCB	670
Remaining Detected Analytes			
1,1-DCA	2.0	PCE	2.1
1,2,3-TCB	0.47 J	trans-DCE	4.3
cis-DCE	53	VC	14
EB	0.82 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	1,100	trans-DCE	39
MC	25	VC	1,500

MW-6B			
Total COCs:	10,080		in ug/l
Benzene	330	1,2-DCB	3,500
CB	2,600	1,3-DCB	990
1,2,4-TCB	160	1,4-DCB	2,500
Remaining Detected Analytes			
BDL			

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			

OW-9A			
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	350	TCE	280
PCE	7,800		

PROJECT:
SOLVENT CHEMICAL
NIAGARA FALLS, NEW YORK

TITLE:
MARCH 17, 18, 24, 25, 2020
GROUNDWATER DETECTED CONTAMINANTS
SOLVENT CHEMICAL SITE

DRAWN BY:
CHECKED BY:
APPROVED BY:
DATE: APRIL 2020
PROJ. NO.: 105146

FIGURE 4A

TRC
650 Suffolk Street
Suite 200
Lowell, MA 01854
Phone: 978.970.5600

FILE NO.: FIG_4A.dwg

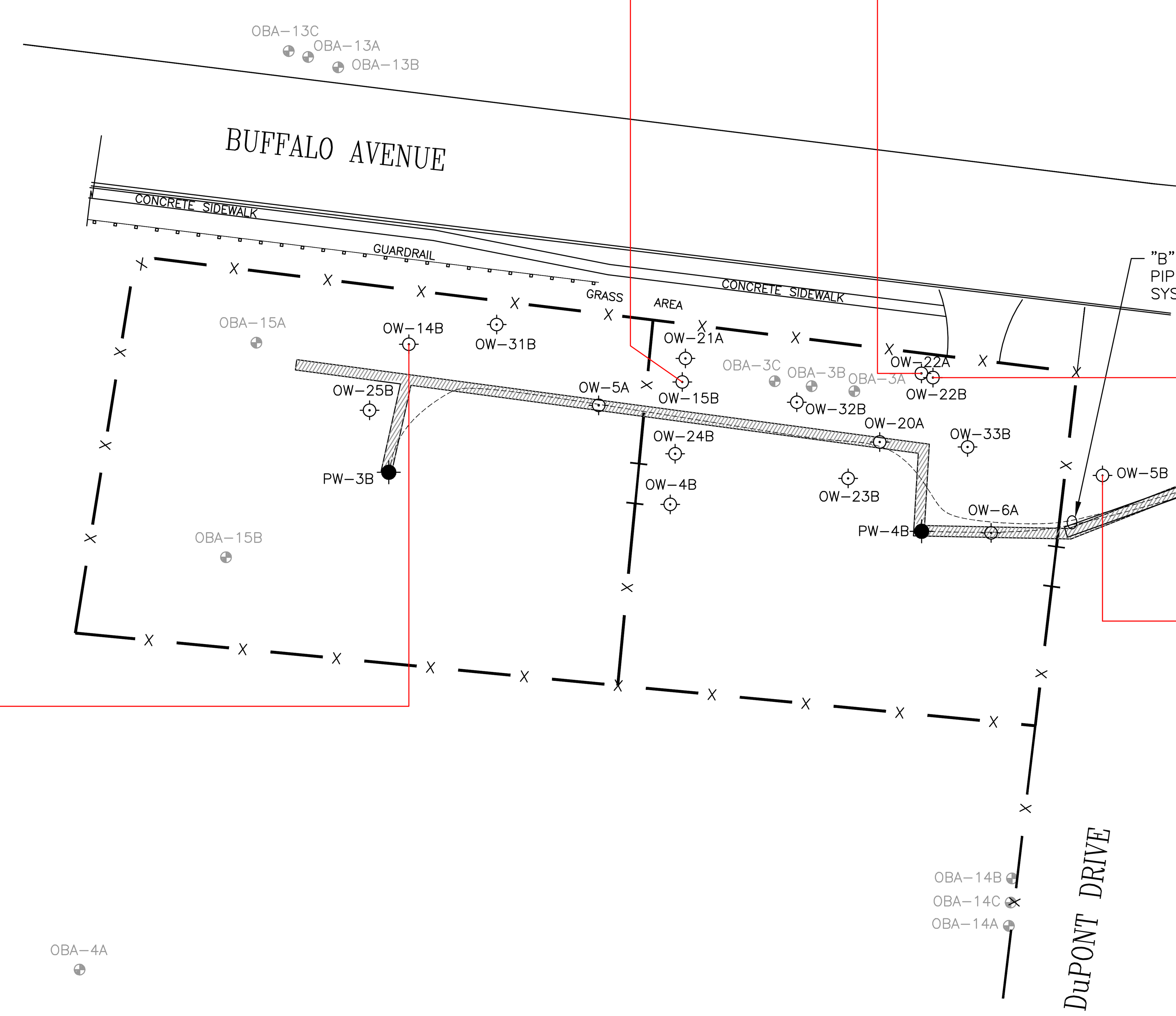
24x36 — USER: CLamb — ATTACHED XREFS: BASE_SOLVENT.dwg — ATTACHED IMAGES:
DRAWING NAME: J:\Projects\27397 - Solvent Chemical\Quarterly, Semi-Annual and Annual Reports\2020 Semi-Annual 1\Figures\CAD FIG_4A.dwg — PLOT DATE: April 30, 2020 - 3:30PM — LAYOUT: Layout1
Version: 2017-10-21

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

OW-15B			
Total COCs:		141	in ug/l
Benzene	10 J	1,2-DCB	BDL
CB	67	1,3-DCB	29
1,2,4-TCB	BDL	1,4-DCB	35
Remaining Detected Analytes			
1,1,2,2-TCA	34.0	PCE	290
cis-DCE	510	TCE	310

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			
BDL			



OW-22B			
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	180	MC	16 J
CHL	54	PCE	840 F1
cis-DCE	660	TCE	1,900 F1

OW-14B			
Total COCs:		14,320	in ug/l
Benzene	BDL	1,2-DCB	4,000
CB	1,700	1,3-DCB	1,800
1,2,4-TCB	720	1,4-DCB	6,100
Remaining Detected Analytes			
1,2,3-TCB	180	MC	59 J
cis-DCE	140		

OW-5B			
Total COCs:		663	in ug/l
Benzene	52 J	1,2-DCB	100
CB	190 J	1,3-DCB	100
1,2,4-TCB	91 J	1,4-DCB	130
Remaining Detected Analytes			
1,1,2,2-TCA	290	TCE	4,700
cis-DCE	1,500	VC	110
PCE	2,000		

SEE FIGURE 4-A FOR CONTINUATION OF SITE

KEY

WELL ID
TOTAL COC CONCENTRATION

OW-14B			
Total COCs:		14,320	in ug/l
Benzene	BDL	1,2-DCB	4,000
CB	1,700	1,3-DCB	1,800
1,2,4-TCB	720	1,4-DCB	6,100
Remaining Detected Analytes			
1,2,3-TCB	180	MC	59 J
cis-DCE	140		

A-ZONE WELL
B-ZONE WELL

ALL UNITS IN UG/L.
QUALIFIERS
GC/MS VOA
J - INDICATES AN ESTIMATED VALUE.
NS - NOT SAMPLED
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

PROJECT:
SOLVENT CHEMICAL
NIAGARA FALLS, NEW YORK

TITLE:
MARCH 18 & 24, 2020
GROUNDWATER DETECTED CONTAMINANTS
HOT SPOT

DRAWN BY:		PROJ. NO.:	105146
CHECKED BY:		**FIGURE 4B**	
APPROVED BY:			
DATE:	APRIL 2020		

TRC
650 Suffolk Street
Suite 200
Lowell, MA 01854
Phone: 978.970.5600

FILE NO.: FIG_4B.dwg

APPENDIX A

Monthly Flow Tables

650 Suffolk St., Suite 200
Lowell, MA 01854

T 978.970.5600
TRCcompanies.com

November 18, 2019

Stephen Stewart
Niagara Falls Water Board
Water Treatment Plant
5815 Buffalo Ave., Niagara Falls, NY 14304
(716) 283-9770

Re: October 2019 Daily Flows for Monitoring Station MS-1
Sherwood Forest Properties
3163 Buffalo Avenue
Niagara Falls, NY
SIU Permit # 55

Dear Mr. Stewart:

TRC Environmental Corporation is submitting this daily effluent flow report for monitoring station MS-1, located at Sherwood Forest Properties, 3163 Buffalo Avenue, Niagara Falls, NY in accordance with Significant Industrial User (SIU) Permit # 55.

If you have any questions, please do not hesitate to contact us.

Sincerely,

TRC Environmental Corporation

Michael Plumb, PE

Attachment

DAILY FLOWS
MONITORING STATION MS-1
SHERWOOD FOREST PROPERTIES, LTD
3163 BUFFALO AVENUE, NIAGARA FALLS, NY
SIU PERMIT NO. 55
FOR OCTOBER 2019

	Totalizer Reading	Daily Flow
Date Time	(Gallons)	(MGD)
10/1/2019 8:00	123322700	
10/2/2019 8:00	123322700	0.0000
10/3/2019 8:00	123322700	0.0000
10/4/2019 8:00	123322700	0.0000
10/5/2019 8:00	123322700	0.0000
10/6/2019 8:00	123322700	0.0000
10/7/2019 8:00	123322700	0.0000
10/8/2019 8:00	123322700	0.0000
10/9/2019 8:00	123322700	0.0000
10/10/2019 8:00	123322700	0.0000
10/11/2019 8:00	123322700	0.0000
10/12/2019 8:00	123322700	0.0000
10/13/2019 8:00	123322700	0.0000
10/14/2019 8:00	123322700	0.0000
10/15/2019 8:00	123322700	0.0000
10/16/2019 8:00	123322700	0.0000
10/17/2019 8:00	123322700	0.0000
10/18/2019 8:00	123322700	0.0000
10/19/2019 8:00	123322700	0.0000
10/20/2019 8:00	123322700	0.0000
10/21/2019 8:00	123322700	0.0000
10/22/2019 8:00	-	0.0447
10/23/2019 8:00	-	0.0447
10/24/2019 8:00	-	0.0447
10/25/2019 8:00	-	0.0447
10/26/2019 8:00	-	0.0447
10/27/2019 8:00	-	0.0447
10/28/2019 8:00	-	0.0447
10/29/2019 8:00	-	0.0447
10/30/2019 8:00	-	0.0447
10/31/2019 8:00	-	0.0447

Total Flow Discharged for Month 0.4470 million gallons

Average Daily Flow 0.04 million gallons

Note:
1) The flow meter is calibrated annually during the maintenance shutdown. The last calibration was conducted on November 1, 2019 by Cold Spring Environmental.
2) The annual maintenance shutdown was performed from 10/1/19 to 10/21/19.
3) Daily flow readings for 10/22/19 to 10/31/19 were averaged from the individual well flow meters while the system was running in manual mode, following the restart.

650 Suffolk St., Suite 200
Lowell, MA 01854

T 978.970.5600
TRCcompanies.com

December 11, 2019

Stephen Stewart
Niagara Falls Water Board
Water Treatment Plant
5815 Buffalo Ave., Niagara Falls, NY 14304
(716) 283-9770

Re: November 2019 Daily Flows for Monitoring Station MS-1
Sherwood Forest Properties
3163 Buffalo Avenue
Niagara Falls, NY
SIU Permit # 55

Dear Mr. Stewart:

TRC Environmental Corporation is submitting this daily effluent flow report for monitoring station MS-1, located at Sherwood Forest Properties, 3163 Buffalo Avenue, Niagara Falls, NY in accordance with Significant Industrial User (SIU) Permit # 55.

If you have any questions, please do not hesitate to contact us.

Sincerely,

TRC Environmental Corporation

Michael Plumb, PE

Attachment

DAILY FLOWS
MONITORING STATION MS-1
SHERWOOD FOREST PROPERTIES, LTD
3163 BUFFALO AVENUE, NIAGARA FALLS, NY
SIU PERMIT NO. 55
FOR NOVEMBER 2019

	Totalizer Reading	Daily Flow
Date Time	(Gallons)	(MGD)
11/1/2019 8:00	123322700	
11/2/2019 8:00	123353100	0.0304
11/3/2019 8:00	123383700	0.0306
11/4/2019 8:00	123423400	0.0397
11/5/2019 8:00	123451900	0.0285
11/6/2019 8:00	123486300	0.0344
11/7/2019 8:00	123520600	0.0343
11/8/2019 8:00	123563500	0.0429
11/9/2019 8:00	123610700	0.0472
11/10/2019 8:00	123670800	0.0601
11/11/2019 8:00	123730400	0.0596
11/12/2019 8:00	123789000	0.0586
11/13/2019 8:00	123849600	0.0606
11/14/2019 8:00	123909800	0.0602
11/15/2019 8:00	123964600	0.0548
11/16/2019 8:00	124026000	0.0614
11/17/2019 8:00	124093600	0.0676
11/18/2019 8:00	124159300	0.0657
11/19/2019 8:00	124228200	0.0689
11/20/2019 8:00	124295700	0.0675
11/21/2019 8:00	124361200	0.0655
11/22/2019 8:00	124429200	0.0680
11/23/2019 8:00	124494900	0.0657
11/24/2019 8:00	124561000	0.0661
11/25/2019 8:00	124626600	0.0656
11/26/2019 8:00	124692000	0.0654
11/27/2019 8:00	124760200	0.0682
11/28/2019 8:00	124825400	0.0652
11/29/2019 8:00	124883800	0.0584
11/30/2019 8:00	124948100	0.0643

Total Flow Discharged for Month 1.6254 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 November 1, 2019 by Cold Spring Environmental.

650 Suffolk St., Suite 200
Lowell, MA 01854

T 978.970.5600
TRCcompanies.com

January 14, 2020

Stephen Stewart
Niagara Falls Water Board
Water Treatment Plant
5815 Buffalo Ave., Niagara Falls, NY 14304
(716) 283-9770

Re: December 2019 Daily Flows for Monitoring Station MS-1
Sherwood Forest Properties
3163 Buffalo Avenue
Niagara Falls, NY
SIU Permit # 55

Dear Mr. Stewart:

TRC Environmental Corporation is submitting this daily effluent flow report for monitoring station MS-1, located at Sherwood Forest Properties, 3163 Buffalo Avenue, Niagara Falls, NY in accordance with Significant Industrial User (SIU) Permit # 55.

If you have any questions, please do not hesitate to contact us.

Sincerely,

TRC Environmental Corporation

Michael Plumb, PE

Attachment

DAILY FLOWS
MONITORING STATION MS-1
SHERWOOD FOREST PROPERTIES, LTD
3163 BUFFALO AVENUE, NIAGARA FALLS, NY
SIU PERMIT NO. 55
FOR DECEMBER 2019

	Totalizer Reading	Daily Flow
Date Time	(Gallons)	(MGD)
12/1/2019 8:00	125012300	
12/2/2019 8:00	125073400	0.0611
12/3/2019 8:00	125123700	0.0503
12/4/2019 8:00	125190300	0.0666
12/5/2019 8:00	125258900	0.0686
12/6/2019 8:00	125326800	0.0679
12/7/2019 8:00	125393100	0.0663
12/8/2019 8:00	125457400	0.0643
12/9/2019 8:00	125522000	0.0646
12/10/2019 8:00	125589800	0.0678
12/11/2019 8:00	125656100	0.0663
12/12/2019 8:00	125717300	0.0612
12/13/2019 8:00	125783800	0.0665
12/14/2019 8:00	125849100	0.0653
12/15/2019 8:00	125913800	0.0647
12/16/2019 8:00	125979000	0.0652
12/17/2019 8:00	126045200	0.0662
12/18/2019 8:00	126111400	0.0662
12/19/2019 8:00	126177600	0.0662
12/20/2019 8:00	126244100	0.0665
12/21/2019 8:00	126310600	0.0665
12/22/2019 8:00	126376000	0.0654
12/23/2019 8:00	126438100	0.0621
12/24/2019 8:00	126483600	0.0455
12/25/2019 8:00	126542800	0.0592
12/26/2019 8:00	126604800	0.0620
12/27/2019 8:00	126665400	0.0606
12/28/2019 8:00	126725200	0.0598
12/29/2019 8:00	126783500	0.0583
12/30/2019 8:00	126841400	0.0579
12/31/2019 8:00	126884900	0.0435

Total Flow Discharged for Month 1.8726 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 November 1, 2019 by Cold Spring Environmental.

650 Suffolk St., Suite 200
Lowell, MA 01854

T 978.970.5600
TRCcompanies.com

February 17, 2020

Stephen Stewart
Niagara Falls Water Board
Water Treatment Plant
5815 Buffalo Ave., Niagara Falls, NY 14304
(716) 283-9770

Re: January 2020 Daily Flows for Monitoring Station MS-1
Sherwood Forest Properties
3163 Buffalo Avenue
Niagara Falls, NY
SIU Permit # 55

Dear Mr. Stewart:

TRC Environmental Corporation is submitting this daily effluent flow report for monitoring station MS-1, located at Sherwood Forest Properties, 3163 Buffalo Avenue, Niagara Falls, NY in accordance with Significant Industrial User (SIU) Permit # 55.

If you have any questions, please do not hesitate to contact us.

Sincerely,

TRC Environmental Corporation

Michael Plumb, PE

Attachment

DAILY FLOWS
MONITORING STATION MS-1
SHERWOOD FOREST PROPERTIES, LTD
3163 BUFFALO AVENUE, NIAGARA FALLS, NY
SIU PERMIT NO. 55
FOR JANUARY 2020

	Totalizer Reading	Daily Flow
Date Time	(Gallons)	(MGD)
1/1/2020 8:00	126928900	
1/2/2020 8:00	126988900	0.0600
1/3/2020 8:00	127039800	0.0509
1/4/2020 8:00	127073700	0.0339
1/5/2020 8:00	127116500	0.0428
1/6/2020 8:00	127158700	0.0422
1/7/2020 8:00	127200000	0.0413
1/8/2020 8:00	127248700	0.0487
1/9/2020 8:00	127301000	0.0523
1/10/2020 8:00	127353200	0.0522
1/11/2020 8:00	127405200	0.0520
1/12/2020 8:00	127458100	0.0529
1/13/2020 8:00	127510700	0.0526
1/14/2020 8:00	127562700	0.0520
1/15/2020 8:00	127611100	0.0484
1/16/2020 8:00	127663900	0.0528
1/17/2020 8:00	127701600	0.0377
1/18/2020 8:00	127753100	0.0515
1/19/2020 8:00	127813400	0.0603
1/20/2020 8:00	127873100	0.0597
1/21/2020 8:00	127932100	0.0590
1/22/2020 8:00	127990900	0.0588
1/23/2020 8:00	128049000	0.0581
1/24/2020 8:00	128106700	0.0577
1/25/2020 8:00	128164400	0.0577
1/26/2020 8:00	128221800	0.0574
1/27/2020 8:00	128277900	0.0561
1/28/2020 8:00	128282000	0.0041
1/29/2020 8:00	128284400	0.0024
1/30/2020 8:00	128286200	0.0018
1/31/2020 8:00	128286200	0.0000

Total Flow Discharged for Month 1.3573 million gallons

Average Daily Flow 0.05 million gallons

Note:
1) The flow meter is calibrated annually during the maintenance shutdown. The last calibration was conducted on November 1, 2019 by Cold Spring Environmental.

650 Suffolk St., Suite 200
Lowell, MA 01854

T 978.970.5600
TRCcompanies.com

March 12, 2020

Stephen Stewart
Niagara Falls Water Board
Water Treatment Plant
5815 Buffalo Ave., Niagara Falls, NY 14304
(716) 283-9770

Re: February 2020 Daily Flows for Monitoring Station MS-1
Sherwood Forest Properties
3163 Buffalo Avenue
Niagara Falls, NY
SIU Permit # 55

Dear Mr. Stewart:

TRC Environmental Corporation is submitting this daily effluent flow report for monitoring station MS-1, located at Sherwood Forest Properties, 3163 Buffalo Avenue, Niagara Falls, NY in accordance with Significant Industrial User (SIU) Permit # 55.

If you have any questions, please do not hesitate to contact us.

Sincerely,

TRC Environmental Corporation

Michael Plumb, PE

Attachment

DAILY FLOWS
MONITORING STATION MS-1
SHERWOOD FOREST PROPERTIES, LTD
3163 BUFFALO AVENUE, NIAGARA FALLS, NY
SIU PERMIT NO. 55
FOR FEBRUARY 2020

	Totalizer Reading	Daily Flow
Date Time	(Gallons)	(MGD)
2/1/2020 8:00	128288000	
2/2/2020 8:00	128289100	0.0011
2/3/2020 8:00	128289100	0.0000
2/4/2020 8:00	128289200	0.0001
2/5/2020 8:00	128289200	0.0000
2/6/2020 8:00	128331800	0.0426
2/7/2020 8:00	128385400	0.0536
2/8/2020 8:00	128443300	0.0579
2/9/2020 8:00	128502600	0.0593
2/10/2020 8:00	128561400	0.0588
2/11/2020 8:00	128619900	0.0585
2/12/2020 8:00	128676000	0.0561
2/13/2020 8:00	128733500	0.0575
2/14/2020 8:00	128791300	0.0578
2/15/2020 8:00	128850100	0.0588
2/16/2020 8:00	128908500	0.0584
2/17/2020 8:00	128966500	0.0580
2/18/2020 8:00	129023900	0.0574
2/19/2020 8:00	129081200	0.0573
2/20/2020 8:00	129140800	0.0596
2/21/2020 8:00	129200500	0.0597
2/22/2020 8:00	129256200	0.0557
2/23/2020 8:00	129315000	0.0588
2/24/2020 8:00	129372100	0.0571
2/25/2020 8:00	129429400	0.0573
2/26/2020 8:00	129484400	0.0550
2/27/2020 8:00	129527900	0.0435
2/28/2020 8:00	129583700	0.0558
2/29/2020 8:00	129640100	0.0564

Total Flow Discharged for Month 1.3521 million gallons

Average Daily Flow 0.05 million gallons

Note:
1) The flow meter is calibrated annually during the maintenance shutdown. The last calibration was conducted on November 1, 2019 by Cold Spring Environmental.

650 Suffolk St., Suite 200
Lowell, MA 01854

T 978.970.5600
TRCcompanies.com

April 9, 2020

Stephen Stewart
Niagara Falls Water Board
Water Treatment Plant
5815 Buffalo Ave., Niagara Falls, NY 14304
(716) 283-9770

Re: March 2020 Daily Flows for Monitoring Station MS-1
Sherwood Forest Properties
3163 Buffalo Avenue
Niagara Falls, NY
SIU Permit # 55

Dear Mr. Stewart:

TRC Environmental Corporation is submitting this daily effluent flow report for monitoring station MS-1, located at Sherwood Forest Properties, 3163 Buffalo Avenue, Niagara Falls, NY in accordance with Significant Industrial User (SIU) Permit # 55.

If you have any questions, please do not hesitate to contact us.

Sincerely,

TRC Environmental Corporation

Michael Plumb, PE

Attachment

DAILY FLOWS
MONITORING STATION MS-1
SHERWOOD FOREST PROPERTIES, LTD
3163 BUFFALO AVENUE, NIAGARA FALLS, NY
SIU PERMIT NO. 55
FOR MARCH 2020

	Totalizer Reading	Daily Flow
Date Time	(Gallons)	(MGD)
3/1/2020 8:00	129697600	
3/2/2020 8:00	129756400	0.0588
3/3/2020 8:00	129815400	0.0590
3/4/2020 8:00	129873900	0.0585
3/5/2020 8:00	129931700	0.0578
3/6/2020 8:00	129988000	0.0563
3/7/2020 8:00	130028700	0.0407
3/8/2020 8:00	130086800	0.0581
3/9/2020 8:00	130140900	0.0541
3/10/2020 8:00	130187000	0.0461
3/11/2020 8:00	130245800	0.0588
3/12/2020 8:00	130304000	0.0582
3/13/2020 8:00	130361700	0.0577
3/14/2020 8:00	130419000	0.0573
3/15/2020 8:00	130475900	0.0569
3/16/2020 8:00	130532600	0.0567
3/17/2020 8:00	130588400	0.0558
3/18/2020 8:00	130643600	0.0552
3/19/2020 8:00	130698200	0.0546
3/20/2020 8:00	130752400	0.0542
3/21/2020 8:00	130806400	0.0540
3/22/2020 8:00	130860200	0.0538
3/23/2020 8:00	130913300	0.0531
3/24/2020 8:00	130966100	0.0528
3/25/2020 8:00	131018700	0.0526
3/26/2020 8:00	131071300	0.0526
3/27/2020 8:00	131121000	0.0497
3/28/2020 8:00	131163800	0.0428
3/29/2020 8:00	131215400	0.0516
3/30/2020 8:00	131263200	0.0478
3/31/2020 8:00	131296500	0.1327

Total Flow Discharged for Month 1.6983 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 November 1, 2019 by Cold Spring Environmental.

APPENDIX B

POTW 1st Semi-Annual Report of two for 2020

NIAGARA FALLS WATER BOARD WASTEWATER FACILITIES ENFORCEMENT DIVISION

SELF-MONITORING REPORT
SIGNIFICANT INDUSTRIAL USERS

PERMIT NO. 55

SHERWOOD FOREST PROPERTIES, LTD

The 1st Semi-Annual Report

of two for 2020

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 (on behalf of Sherwood Forest Properties)

Date: 2/28/2020

PART I

ANALYTICAL RESULTS

SIU PERMIT NO. 55 SHERWOOD FOREST PROPERTIES, LTD

Monitoring Station #1

DATE SAMPLED: _2/6-7/2020_	RESULTS ug/ℓ	/ ug/ℓ	RESULTS lbs/day	/ lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
24-HOUR FLOW IN MGD: 0.054						
BENZENE		<12		0.0		0.007
CARBON TETRACHLORIDE		<10		0.0		0.0
CHLORODIBROMOMETHANE						
MONOCHLOROBENZENE		100		0.0447		0.084
DICHLOROBROMOMETHANE						
CHLOROFORM		67		0.0300		0.051
1,1 – DICHLOROETHYLENE		<17		0.0		0.0
1,2 – DICHLOROETHYLENE		<12		0.0		0.0
BROMOFORM						
ETHYLBENZENE						
1,1,2,2 – TETRACHLOROETHANE		710		0.3176		0.342
TETRACHLOROETHYLENE		200		0.0895		0.131
TOLUENE		<9.1		0.0		0.0
1,1,1 – TRICHLOROETHANE		<7.7		0.0		0.0
1,1,2 – TRICHLOROETHANE		<9.6		0.0		0.0036
TRICHLOROETHYLENE		790		0.3534		0.538
METHYLENE CHLORIDE		<16		0.0		0.005
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: 2/6-7/2020	RESULTS ug/ℓ	/ ug/ℓ	RESULTS lbs/day	/ lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
24-HOUR FLOW IN MGD: 0.054						
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		1.3		0.0006		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: _2/6-7/2020_	RESULTS ug/ℓ	/ ug/ℓ	RESULTS lbs/day	/ lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
24-HOUR FLOW IN MGD: 0.054						
PHENANTHRENE						
MONOCHLOROPHENOL						
DICHLOROPHENOL						
MONOCHLOROCRESOL						
TRICHLOROPHENOL		<0.95		0.0		0.0
PENTACHLOROPHENOL						
HEXACHLOROCYCLOHEXANES		120		0.0537		0.029
-HEXACHLOROCYCLOHEXANE, alpha		60		0.0268		0.014
-HEXACHLOROCYCLOHEXANE, beta		13		0.0058		0.004
-HEXACHLOROCYCLOHEXANE, gamma		39		0.0174		0.009
-HEXACHLOROCYCLOHEXANE, delta		8.7		0.0039		0.003
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: _2/6-7/2020_	RESULTS ug/ℓ	/ ug/ℓ	RESULTS lbs/day	/ lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
24-HOUR FLOW IN MGD: 0.054						
1,2,4 – TRICHLOROBENZENE		1.3		0.0006		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		290		0.1297		0.140
1,3 – DICHLOROBENZENE		160		0.0716		0.036
1,4 – DICHLOROBENZENE		370		0.1655		0.161
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: _2/6-7/2020_	RESULTS ug/ℓ	/ ug/ℓ	RESULTS lbs/day	/ lbs/day	ANNUAL AVERAGE ug/ℓ	ANNUAL AVERAGE lbs/day
24-HOUR FLOW IN MGD: 0.054						
1,2 - DICHLOROPROPANE						
VINYL CHLORIDE						
ACENAPHTHENE						
BENZENE						
CARBON TETRACHLORIDE						
CHLOROBENZENE						
HEXACHLOROBENZENE						
CHLOROFORM						
ETHYLBENZENE						
FLUORANTHENE						
METHYLENE CHLORIDE						
HEXACHLOROBUTADIENE						
NAPHTHALENE DI – N – BUTHYL PHTHALATE						
DIMETHYL PHTHALATE						
PHENANTHRENE						
PYRENE						
TETRACHLOROETHYLENE						
TOLUENE						
TRICHLOROETHYLENE						
TOTAL CYANIDE		18		0.0081		0.019
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)

APPENDIX C

Operation and Maintenance and Inspection Forms

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
			TRC	O+M

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. J. GARA	F	3		>	HAZMAT								
2. 9/9/19													
3. J. GARA	F	8		>	HAZMAT								
4. J. LEHMANN	J	8											
5. 9/10/19													
6. J. GARA	F	2		>	HAZMAT								
7. 9/11/19													
8. J. GARA	F	2		>	HAZMAT								
9. 9/12/19													
10. J. GARA	F	4		>	HAZMAT								
11. 9/13/19													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	19	HRS	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

IRR - # 11241180

WORK LOG

O+M, TEMP PUMP IN SUMP TILL PROPER ONE COMES IN,

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
			TRC	O+M

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

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	2DHRS		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

CITY ELECTRIC - #349440

WORK LOG

O+M, WORKING ON 6B
WITH ELEC, PULLED 6B

SUB CONTRACTORS

DGI Electrical Services

CONTRACT SUPERVISOR SIGNATURE — DATE

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
			TRC	O+M

NAME	STRAIGHT TIME TL	HRS	RATE	AMOUNT	TH OVERTIME HRS	RATE	AMOUNT	DB OVERTIME HRS	RATE	AMOUNT	MEALS QTY.	RATE	AMOUNT
1. J. GARA	F	8	>	HAZMAT									
2. J. LEHMANN	J	8	>										
3. 9/23/19													
4. J. GARA	F	2	>	HAZMAT									
5. 9/24/19													
6. J GARA	F	2	>	HAZMAT									
7. 9/25/19													
8. J. GARA	F	2	>	HAZMAT			PULL + CLEAN 7B						
9. D. BRYDGES	J	8	>										
10. J. LEHMANN	J	8	>										
11. 9/26/19													
12. J. GARA	F	2	>	HAZMAT			NEW PUMP FOR SUMP & CK. BALL & CLEANED						
13. D. BRYDGES	J	8	>										

QTY.	J. LEHMANN 9/24/19 EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	28 HRS		4" BUTT FUSION MACH.	
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.	
	GAS WELDER		4-5	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

IRR - # 11241340
LAKES - # 10890

WORK LOG

O+M, 7B PULLED + CLEANED
NEW SUMP PUMP + CK VALVE
+ CLEANED LINE, RUNS GOOD

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE

FIELD INSPECTOR SIGNATURE — DATE

9/30 - 10/6

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
			TRC	Shut Down ~~OPA~~

NAME	STRAIGHT TIME TL	HRS	RATE	AMOUNT	TH OVERTIME HRS	RATE	AMOUNT	DB OVERTIME HRS	RATE	AMOUNT	MEALS QTY.	RATE	AMOUNT
1. J. GARA	F	8		HAZMAT									
2. NIGEL	J	8											
3. 9/30/19													
4. J. GARA	F	4		HAZMAT									
5. NIGEL	J	8						B. SLACK	J	8	J	8	HAZMAT
6. B. SLACK	J	4						NIGEL	J	8			
7. 10/1/19								10/4/19					
8. B. SLACK	J	8		HAZMAT									
9. NIGEL	J	8											
10. 10/2/19													
11. B. SLACK	J	8		HAZMAT									
12. NIGEL	J	8											
13. 10/3/19													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	40 HRS		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	
III	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

LAKES PIPE - #10738, #10732
NIAGARA SUPPLY - #7025
SCHAEFER - 1584583, #1584828 #1584617
ERR - #1124483

WORK LOG

SHUT DOWN WORK

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
			TRC	SHUTDOWN

NAME	STRAIGHT TIME TL	HRS	RATE	AMOUNT	TH OVERTIME HRS	RATE	AMOUNT	DB OVERTIME HRS	RATE	AMOUNT	MEALS QTY.	RATE	AMOUNT
1. D. BRYDGES	J	8	←	→	WORKING ON GB NOT RUNNING PROPERLY W/FLUSH								
2. B. SLACK	J	8		HAZMAT									
3. NIGEL	J	8											
4. 10/7/19													
5. D. BRYDGES	J	8	←	→	GB PUMPING PROPERLY, TRYING TO STRAIGHTEN LINES								
6. B. SLACK	J	8		HAZMAT									
7. NIGEL	J	8											
8. 10/8/19								D. BRYDGES J		8		HAZMAT	
9. D. BRYDGES	J	8		HAZMAT				B. SLACK J		8			
10. B. SLACK	J	8						NIGEL J		8			
11. NIGEL	J	8						10/10/19					
12. 10/9/19													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	40 HRS		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 SCAFFOLD	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

SHUTDOWN WORK

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

FRI DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
10/11/19			TRC	STARTUP

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

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	8 HRS		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

POSTAGE - $

WORK LOG

WON'T START UP, WORKED WITH IT - JOHN.
PACKAGED UP AND SENT PC-2 TO BOSTON

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
			TRC	O&M

NAME	STRAIGHT TIME TL	HRS	RATE	AMOUNT	TH OVERTIME HRS	RATE	AMOUNT	DB OVERTIME HRS	RATE	AMOUNT	MEALS QTY.	RATE	AMOUNT
1. J. GARA	F	8	>	HAZMAT									
2. R. CROSSLEY	J	8	>										
3. 10/14/19													
4. J. GARA	F	8	>	HAZMAT									
5. R. CROSSLEY	J	8	>										
6. 10/15/19													
7. J. GARA	F	4	>	HAZMAT									
8. 10/16/17													
9. J. GARA	F	4	>	HAZMAT									
10. 10/17/19													
11.													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK 24 HRS			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

CHECKING TRANSDUCERS, LIMIT SWITCHES, CONTAINMENT TEES RUNNING SYSTEM, SB, TB IN AUTO OTHERS IN HAND MAKE SURE REST OF SYSTEM RUNS. CK STEAM CYCLE, CONDENSER NOT KICKING ON

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
			TRC	SHUTDOWN

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. D. BRYNGES	J	4	>	HAZMAT									
2. NIGEL	J	4											
3. 10/23/19													
4.													
5.													
6.													
7.													
8.													
9.													
10.													
11.													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
	PICK-UP TRUCK			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

TAKING DOWN SCAFFOLD, FINALLY WAS ABLE TO RUN SYSTEM TO CK FOR LEAKS

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE

FIELD INSPECTOR SIGNATURE — DATE

OCT - 23 - 27

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
			TRC	O+M

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. J. GARA	F	8											
2. D. BRYDGES	J	8											
3. 10/23/19													
4. J. GARA	F	8											
5. D. BRYDGES	J	8											
6. 10/24/19													
7. J. GARA	F	8			2								
8. R. CROSSLEY	J	8											
9. 10/25/19													
10. J. GARA	F				8								
11. R. CROSSLEY	J				8								
12. B. SLACK	J				8								
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	34 HRS		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

NIAGARA SUPPLY - # 7325
SHANOR - # 720173
HOME DEPOT - # 81719

WORK LOG

WORKING WITH ELECTRICIANS, JOHN TRCS - IT GUY TRYING TO GET SYSTEM GOING, STEAM, CONDESER PULLED 4B & REPLACED MOTOR & PUMP.

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE John 10/21/19 DATE

FIELD INSPECTOR SIGNATURE DATE

OCT-NOV

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
			TRC	O+M

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. J. GARA	F	8											
2. R. CROSSLEY	J	8											
3. 10/28/19													
4. J GARA	F	8						J. AMORETTI	F	8			
5. R. CROSSLEY	J	8						N. SCHULTZ	J	8			
6. 10/29/19								J. GARA				F	2
7. J. GARA	F	8						11/1/19					
8. R. CROSSLEY	J	8											
9. 10/30/19								NICK SHULTZ	F				2
10. J. AMORETTI	F	8						11/2/19					
11. N. SCHULTZ	J	8											
12. ~~J. GARA~~	1			F	2								
13. 10/31/19													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	4~~8~~ HRS		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

WORKING WITH ELEC, IT, SAMPLER, SETTING TRANSDUCER LEVELS AND LEVEL SWITCHES, REPLACED FUSES + DIGITAL READOUTS REPLACED 4B WITH 3/4 HP MOTOR + PUMP.

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

FRI DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
11/1/19			TRC	HEATERS

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

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	8HRS		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

- SCHAEFER - # 1585205
- LAKES PIPE - #603870
- SCHAEFER - #~~1588437~~ #1589428, #1589452
- #1588387
- LAKES - 10920

WORK LOG

PICKED UP HEATERS
& INSTALLED

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

NOV DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
2019			TRC	O&M

NAME	STRAIGHT TIME TL	HRS	RATE	AMOUNT	TH OVERTIME HRS	RATE	AMOUNT	DB OVERTIME HRS	RATE	AMOUNT	MEALS QTY.	RATE	AMOUNT
1. J. GARA	F	2											
2. 11/4/19													
3. J. GARA	F	2											
4. 11/5/19													
5. J. GARA	F	2											
6. 11/6/19													
7. J. GARA	F	4											
8. J. AMORETTI	J	3											
9. N. SCHULTZ	J	3											
10. 11/7/19													
11. J. AMORETTI	F	8											
12. N. SCHULTZ	J	8											
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	18 HRS		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

DAILY O&M, POWERWASHED 3B, 2B SLEEVES DOWN IN GROUND.

SUB CONTRACTORS

STEVENSON - # 60164

CONTRACT SUPERVISOR SIGNATURE 11/8/19 DAT

FIELD INSPECTOR SIGNATURE DAT

CAMTECH
PLUMBING & MECHANICAL, INC.

NOV DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
2019			TRC	O+M

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. J. GARA	F	2											
2. 11/11/19													
3. J. GARA	F	2											
4. 11/12/19													
5. J. GARA	F	2											
6. 11/13/19													
7. J. GARA	F	8											
8. B. SLACK	JT	8											
9. 11/14/19													
10. J. GARA	F	2											
11. [illegible]													
12. 11/15/19													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	16 HRS		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

COLD SPRING ENVIRONMENTAL - #1531

WORK LOG

DAILY O+M
NEW PUMP 4B

SUB CONTRACTORS

John Gara 11/15/19
CONTRACT SUPERVISOR SIGNATURE DAT

FIELD INSPECTOR SIGNATURE DAT

CAMTECH
PLUMBING & MECHANICAL, INC.

NOV DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
2019			TRC	O+M

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

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	11 HRS		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, REPLACED 2 DIGITAL READOUTS FOR TRANSDUCER

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE 11/22/19 DAT

FIELD INSPECTOR SIGNATURE DAT

CAMTECH
PLUMBING & MECHANICAL, INC.

NOV - DEC DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
2019			TRC	O+M

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. J. GARA	F	2											
2. 11/25/19													
3. J. GARA	F	2											
4. 11/26/19													
5. J. GARA	F	2											
6. 11/27/19													
7. J. GARA	F	6											
8. 11/28/19													
9. J. GARA	F	2											
10. 11/29/19													
11.													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	14 HRS		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
SYSTEM SHUT-DOWN
RECTIFIER PROBLEMS
RUNNING

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE 11/29/19 DA

FIELD INSPECTOR SIGNATURE DA

CTAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DEC

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
2019			TRC	O+M

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. J. GARA	F	2											
2. 12/2/19													
3. J. AMORELLI	F	8											
4. N. SHULTZ	J	8											
5. 12/3/19													
6. J. GARA	F	2											
7. 12/4/19													
8. J. GARA	F	2											
9. 12/5/19													
10. J. GARA	F	2											
11. 12/6/19													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	16 HRS		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

DAILY O+M, PULLED SB + CLEANED, DOWN TO .18
REPLACED TRANSDUCER IN 1A

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE 12/6/19 D/

FIELD INSPECTOR SIGNATURE D/

CAMTECH PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
2019	Haz		TRC	O + M

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

Handwritten notes (across the overtime and meals columns):

CONDENSER + STEAM CYCLE KICKED OUT, GOT RUNNING, PUMP LEAKING

WORKING ON SAMPLER NOT WORKING, FLUSHED LINES, GAUGES

MET JOHN WOLAK CHECKING SAMPLER, SHOT CIRCUIT BOARD

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

Daily O + M

SUB CONTRACTORS

Custin Crossley

CONTRACT SUPERVISOR SIGNATURE　　DATE

FIELD INSPECTOR SIGNATURE　　DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
2019	Haz		TRC	O + M

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. J. Gara	F	3			TROUBLESHOOTING GLYCOL PUMP								
2. 12/16/19					ON CONDENSER. ORDERED NEW ONE								
3. J. Gara	F	2											
4. 12/17/19													
5. J. Gara	F	2											
6. 12/18/19													
7. J. Gara	F	2											
8. 12/19/19													
9. J. Gara	F	4											
10. 12/20/19	←	Life Fire			Annual Inspection								
11.													
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	
	ROUSTABOUT			OTHER	
	OTHER			OTHER	
	OTHER			OTHER	

MATERIAL

WORK LOG

Daily O + M

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. Jimmy A.	F	8			Monthlys								
2. Nick S	J	8			Clean DIC - Water Separator								
3. 12/23/19													
4. Jimmy A.	F	8											
5. Nick S.	J	8			Monthlys								
6. 12/24/19					Clean Flow Meters								
7. John G.	F	8			Working on 4B Meter, Cleaned								
8. 12/26/19					Doesn't Work								
9. John G.	F	4			Installed New Digital								
10. Brian S.	J	6			Meter For 4B Working on								
11. 12/27/19					1A + 4B Level Trans Meters								
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	28		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 130691
Riverside Chemical 219102

WORK LOG

Daily o + m

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
2019-20	Haz		TRC	O + M

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. Jimmy A.	F	8											
2. Nick S.	J	8											
3. 12/30/19													
4. Jimmy A.	F	8											
5. Nick S.	J	8											
6. 12/30/19													
7. John G.	F	2											
8. 1/1/20													
9. Ron C.	F	8											
10. Brian S.	J	8											
11. 1/2/20													
12. Ron C.	F	8											
13. Brian S.	J	8											

INSTALLED NEW GLYCOL PUMP, REPLACED BAD VALVES AND AIR ENTRENCE VALVES FILLED GLYCOL

STEAM PUMP NOT WORKING TOOK APART AND CLEANED

PULLED 4B & CLEANED

QTY.	1/3/20 EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	34		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

Pro Dyne 26195
Schaefer $1597448.001
Schaefer $1597565.001

WORK LOG

Daily O & M,
cleaned pump 4B

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
Feb 2020	Haz		TRC	O & M

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. J. Gara	F	3			Work with Joba Getting data Computer								
2. 2/17/20													
3. J. Gara	F	2											
4. 2/18/20													
5. J. Gara	F	2											
6. 2/19/20													
7. J. Gara	F	2											
8. 2/20/20													
9. J. Gara	F	2											
10. 2/21/20													
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

O & M

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE Gustavo Gonzalez DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
Feb 2020	Haz		TRC	O & M

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. J. Gara	F	2											
2. 2/24/20													
3. J. Gara	F	2											
4. 2/25/20													
5. Jimmy A	F	8			Monthly's								
6. Nick S.	J	8											
7. 2/26/20													
8. J Gara	F	2											
9. 2/27/20													
10. J. Gara	F	2											
11. 2/28/20													
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

O & M

SUB CONTRACTORS

Gustavo Gonzalez
CONTRACT SUPERVISOR SIGNATURE — DATE

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
March 2020	Haz		TRC	O + M

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. J. Gara	F	2											
2. 3/2/20													
3. J. Gara	F	2											
4. 3/3/20													
5. J. Gara	F	2											
6. 3/4/20													
7. J. Gara	F	2											
8. 3/5/20													
9. Jimmy A.	F	8			Cleaned GB, Deployed the PDBs in 3F								
10. Brian S.	J	8											
11. 3/6/20													
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

O + M

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
March 2020	Haz		TRC	O & M

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. J. Gara	F	8			Pulled & Cleaned 6B								
2. Brian S.	J	8											
3. 3/9/20													
4. Ron Cr.	F	2			Met Electrician & John's Appliance								
5. Brian S.	J	4										Repair	
6. 3/10/20													
7. J. Gara	F	2											
8. 3/11/20													
9. Ron Cr.	F	2											
10. 3/12/20													
11. J. Gara	F	2											
12. 3/13/20													
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

O & M

SUB CONTRACTORS

DGI Electrical

CONTRACT SUPERVISOR SIGNATURE Gustin Gansley DATE

FIELD INSPECTOR SIGNATURE DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
2020 March	Haz		TRC	O 7 M

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

O 7 M

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE — DATE

FIELD INSPECTOR SIGNATURE — DATE

CAMTECH
PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17304

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
2020 March	Haz		TRC	O & M

	NAME	STRAIGHT TIME TL	HRS	RATE	AMOUNT	TH OVERTIME HRS	RATE	AMOUNT	DB OVERTIME HRS	RATE	AMOUNT	MEALS QTY.	RATE	AMOUNT
1.	J. Gara	F	2											
2.	3/23/20													
3.	J. Gara	F	2											
4.	3/24/20													
5.	J. Gara	F	2											
6.	3/25/20													
7.	J. Gara	F	2											
8.	3/26/20													
9.	J. Gara	F	8			Pulled & Cleaned 8B								
10.	Ron C.	J	8											
11.	3/27/20													
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

O & M

SUB CONTRACTORS

Justin Crossley
CONTRACT SUPERVISOR SIGNATURE DATE

FIELD INSPECTOR SIGNATURE DATE

SITE LANDSCAPE

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

Date: 3/21/20 Inspector: C. Rudzinski

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?	Yes	No	Minimal - PW6B pitless adaptor repair 10/19	
Any eroded areas visually evident and in need of repair?	No	No		
Any damage to trench well enclosures?	No	No		
Any damage to gravel access road (i.e. excessive potholes or washed out areas)?	No	No		
Any damage to monitoring/observation wells?	No	No		
Any damage to pumping well manholes?	No	No		
Any damage to electrical handholes?	Yes	Yes	Minimal - Surficial Cement Seal (NW Corner) around manhole.	

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.

BUILDING STRUCTURE

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

Date: 3/21/20 Inspector: C. Rudzinski

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?	No	No		
Western mandoor locked?	Yes	No		
Southern mandoor locked?	Yes	No		
Garage doors locked?	Yes	No		
Any damage to exterior lighting on building?	No	No		
Any damage to entrance/parking lot lighting?	No	No		
Any exterior light bulbs burnt out?	NI	No	Daytime Hours -Lights Not "On"	
Any damage to paved driveway?	Yes	Yes	Western water diversion berm not present. Possible winter plow damage	
Any damage to the enclosure on the NW side of building?	No	No		
Any damage to the Condenser on the NW side of building?	No	No		

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?	No	No		
Any interior light bulbs burnt out?	No	No		
Any water in the sumps?	No	No		
Any water on the floor?[4]	No	No		
Any signs of wear of the epoxy coating on the floor?[4]	Yes	Yes	Minimal - "Spotting" NW corner of the building.	

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.

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

Date: 3/21/20 Inspector: C. Rudzinski

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?	Yes	No		
Is there corrosion/damage to front gate/lock?	No	No		
Is there damage to the perimeter fence?	No	No		
Back gate closed and locked?	Yes	No		
Is there corrosion/damage to back gate/lock?	No	No		
Any bare areas (absent of vegetation) on Site?	Yes	No	Minimal - PW6B pitless adaptor repair 10/19	
Any eroded areas visually evident and in need of repair?	No	No		
Any damage to trench well enclosures?	No	No		
Any damage to gravel access road (i.e. excessive potholes or washed out areas)?	No	No		
Any damage to monitoring/observation wells?	No	No		
Any damage to pumping well manholes?	No	No		
Any damage to electrical handholes?	Yes	Yes	Minimal - Surficial Cement Seal (NW Corner) around manhole.	
Is there any damage to Building or exterior lighting?	No	No		
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.

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

Date: 3/21/20 Inspector: C. Rudzinski

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?	No	No		
Is geotextile blocked at CI F-2 or CI-F-3?	No	No		
Any damage to drop inlets (DI) F-1 or F-4?	No	No		
Is geotextile blocked at DI F-1 or F-4?	No	No		
Any damage to DI E-2?	No	No		
Is geotextile blocked at DI E-2?	No	No		
Any damage to drop inlets (DI) north or south (located between access road and Stockpile 3)?	No	No		
Is geotextile blocked at DI north or south?	No	No		
Any damage to manhole (MH) G-2 or G-3?	No	No		
Any ponded water onsite? If yes, any evidence of mosquito larvae?[6]	No	No		

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

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

TRC	Christopher Rudzinski Inspector (Printed)	March 21, 2020 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?	Yes	No	
Is the Fire Department Alert Tag (Alert No. 2738) present on the Main Gate?	Yes	No	New Tag without Alert Number.
Entry Doors 1, 2 & 3: Are the signs "Danger Unauthorized Personnel Keep Out" in-place and legible?	Yes	No	
Entry Doors 2 & 3: Are the signs "Caution Hearing Protection Required" in-place and legible?	Yes	No	
Is the security/alarm control panel operational and in-use?	Yes	No	
Is the current version of the Health and Safety and Emergency Action Plan Posted in the Treatment Building?	Yes	No	
Is the wall mounted tag-out holder present and sufficiently equipped?	No	No	
Are the fire extinguishers present as illustrated on the attached Site Plan and readily accessible?	Yes	No	
Are the fire extinguishers fully charged?	Yes	No	Last Inspection - August 29, 2019.
Are spill kits present as illustrated on the attached Site Plan and readily accessible?	Yes	No	
Are spill kits fully equipped?	Yes	No	
Is the first aid kit present as illustrated on the attached Site Plan and readily accessible?	Yes	No	
Is the first aid kit fully equipped?	Yes	No	
Is the eyewash station fully equipped and within it use lifespan?	No	Yes	Need to order new eyewash station.
Is the Emergency Shower sign present and legible?	NA	NA	City water line/valve at western door area.
Is the Emergency Shower area readily accessible from the acid drum storage area?	Yes	No	
Emergency Shower: Is there corrosion, leaks, or pipe damage? If yes, do not perform flow test (see 2).	No	No	

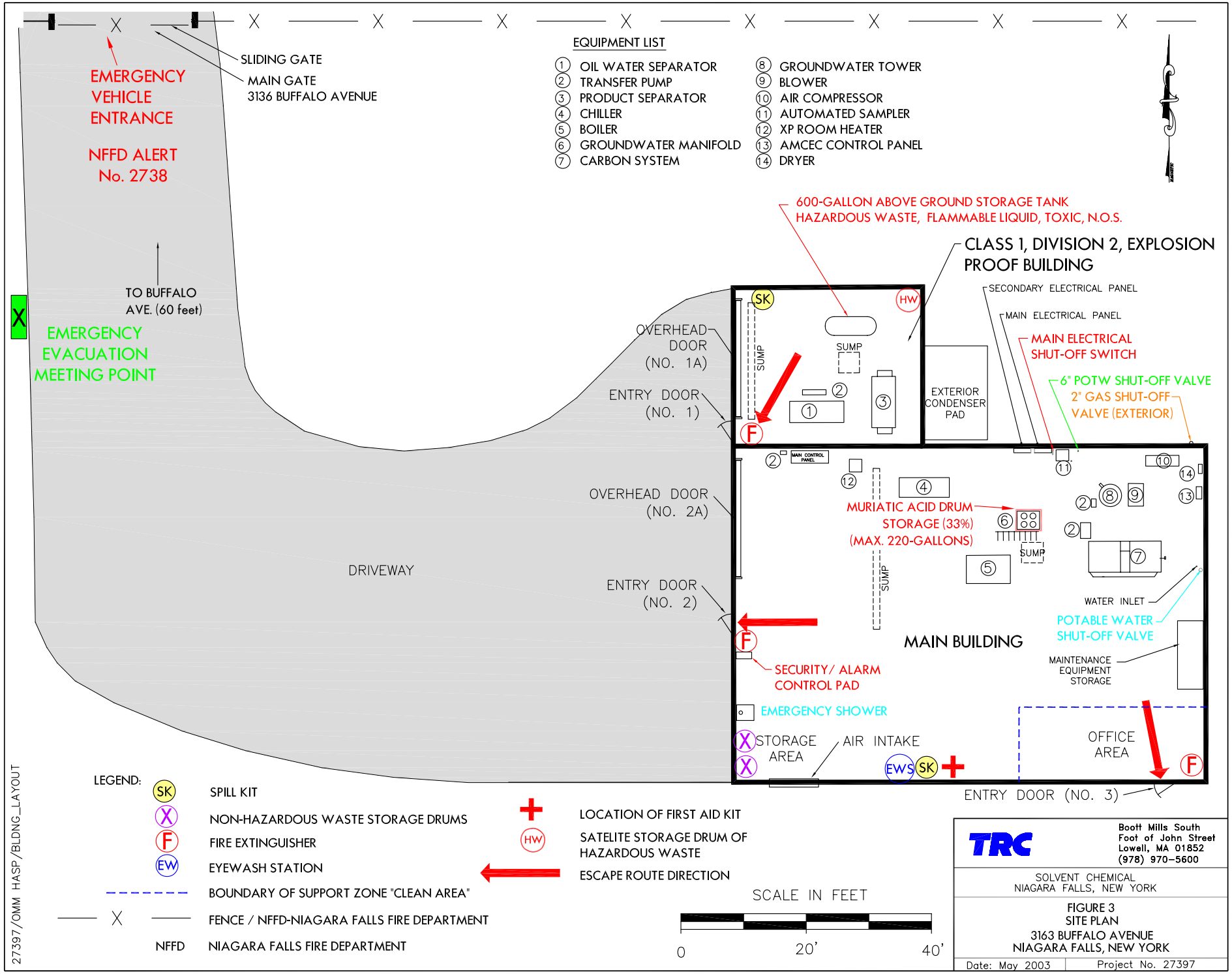
HEALTH AND SAFTEY AND EMERGENCY ACTION PLAN INSPECTION LOG
SOLVENT CHEMICAL SITE
NIAGARA FALLS, NEW YORK

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.	NA	NA	
Are acid drums closed and stored within secondary containment?	Yes	No	
Is the acid neutralizer pail (5 gal.) present and fully equipped?	Yes	No	
Is the floor label "Authorized Personnel Only" at the clean zone border present and legible?	NA	NA	
Is the satellite storage drum (XP Building) labeled for contents and dated with an accumulation start date?	NA	NA	Currently no drum present.
Is the lid to the satellite storage drum securely closed?	NA	NA	
Is the 600 gallon hazardous waste tank labeled for contents and dated with an accumulation start date?	Yes	No	Tank level readings documented on log sheet.
Are the markings "Confined Space" present and legible on all covers of the extraction well sumps?	Yes	Yes	TW hatches- Fading and need to be repainted.
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.



27397/OMM HASP/BLDNG_LAYOUT

TRC
Boott Mills South
Foot of John Street
Lowell, MA 01852
(978) 970-5600

SOLVENT CHEMICAL
NIAGARA FALLS, NEW YORK

FIGURE 3
SITE PLAN
3163 BUFFALO AVENUE
NIAGARA FALLS, NEW YORK

Date: May 2003 | Project No. 27397

APPENDIX D

PDB Sampling Logs

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

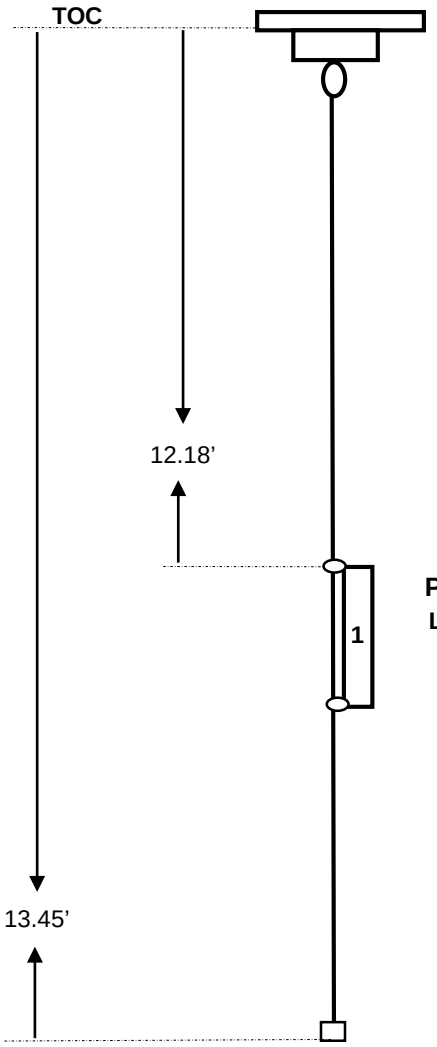
Solvent Chemical 105146-000040-00000	Well ID: MW-2A

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/24/2019
Time:
DTW (ft): 11.87

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/ J. Hensley
Date: 03/25/2020
DTW (ft): 6.73



PDB
Length: 12"

Sample #: MW-2A
Sample Time: 1035
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB = 13.45

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

Solvent Chemical
105146-000040-00000

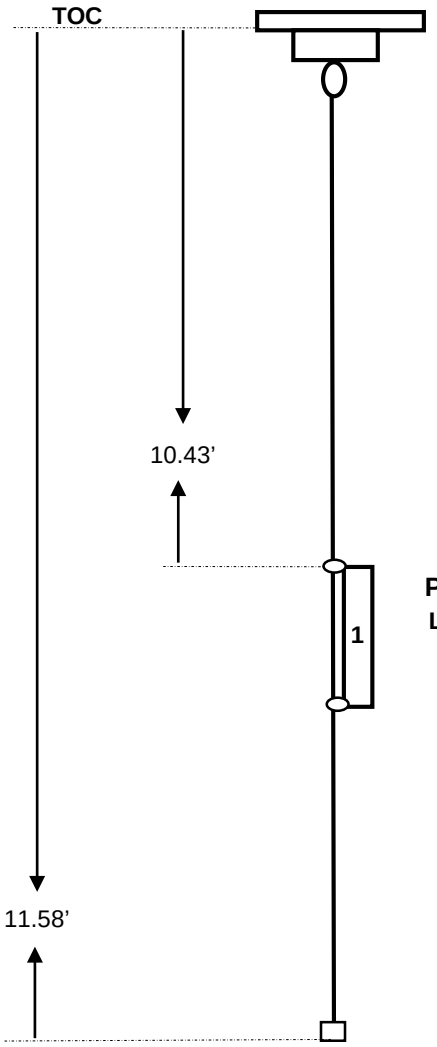
Well ID: MW-5A

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/24/2019
Time: 1145
DTW (ft): 10.40

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/17/2020
DTW (ft): 8.52



PDB
Length: 12"

Sample #: MW-5A
Sample Time: 1000
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 11.72

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

Solvent Chemical
105146-000040-00000

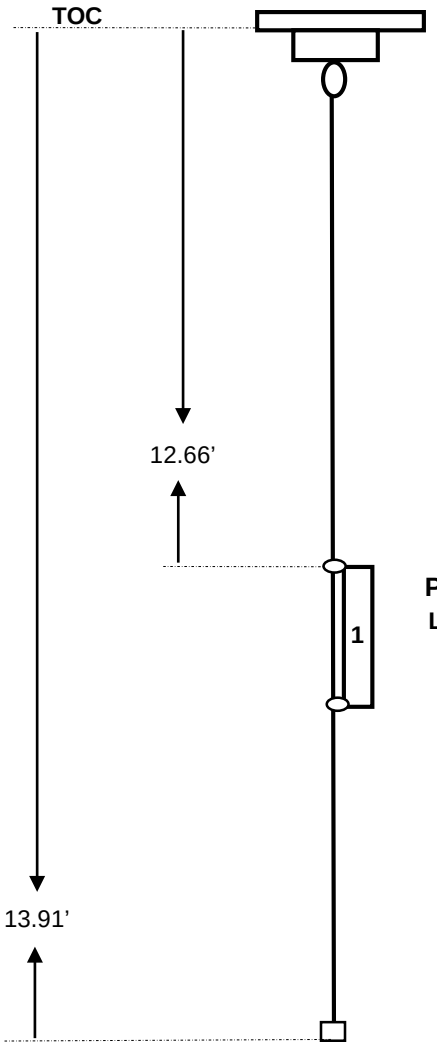
Well ID: OW-9A

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/24/2019
Time: 1205
DTW (ft): 12.85

Sampling of PDBs:

Month: 03 **2020** **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/17/2020
DTW (ft): 11.93



PDB
Length: 12"

Sample #: OW-9A
Sample Time: 1105
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 14.25

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

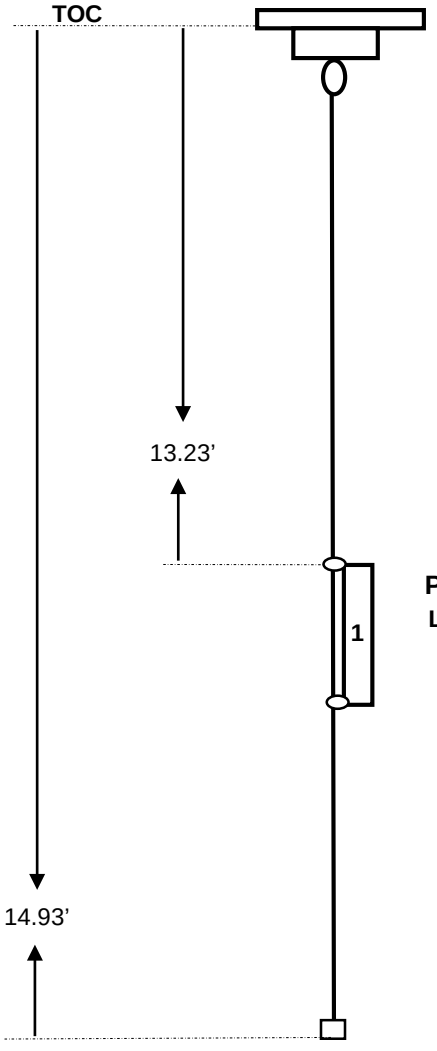
Solvent Chemical 105146-000040-00000	Well ID: OW-12A

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/25/2019
Time: 1410
DTW (ft): 11.65

Sampling of PDBs:

Month: 03 **2020** **GW Sampling Round**
TRC Personnel: C.Rudzinski/.J. Hensley
Date: 03/24/2020
DTW (ft): 10.76



PDB Length: 12"

Sample #: OW-12A
Sample Time: 1445
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB= 14.80'

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

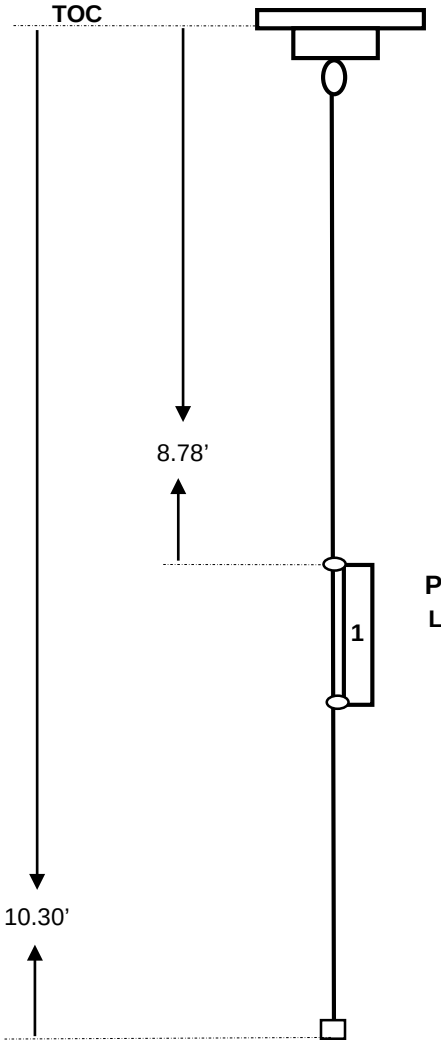
Solvent Chemical 105146-000040-00000	Well ID: OW-15A

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/24/2019
Time: 1440
DTW (ft): 7.28

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/18/2020
DTW (ft): 5.79



PDB Length: 12"

Sample #: OW-15A
Sample Time: 1030
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 10.27

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

Solvent Chemical
105146-000040-00000

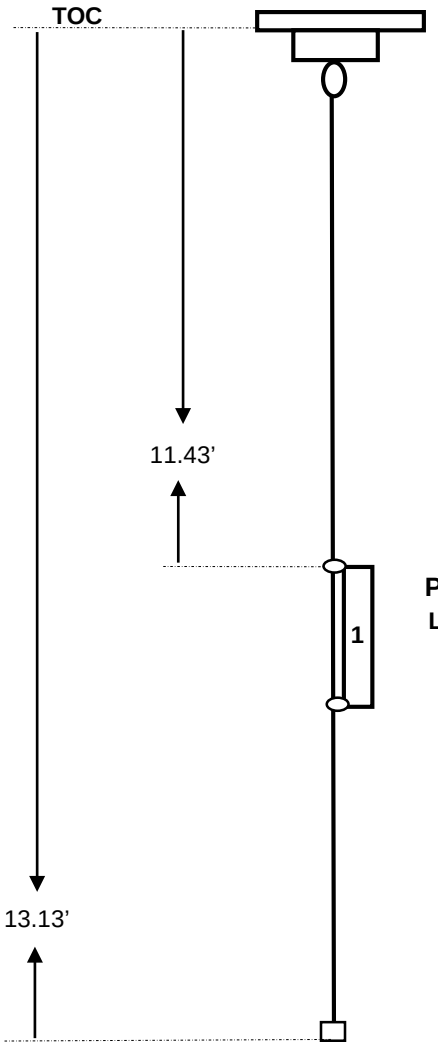
Well ID: OW-16A

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/24/2019
Time: 1215
DTW (ft): 9.80

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/18/2020
DTW (ft): 6.74



PDB
Length: 12"

Sample #: OW-16A
Sample Time: 0915
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 13.33

Field Notes (Installation):

Field Notes (Sampling):

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: C.Rudzinski/J. Faherty

Date: 9/24/2019

Time: 0915

DTW (ft): 11.80

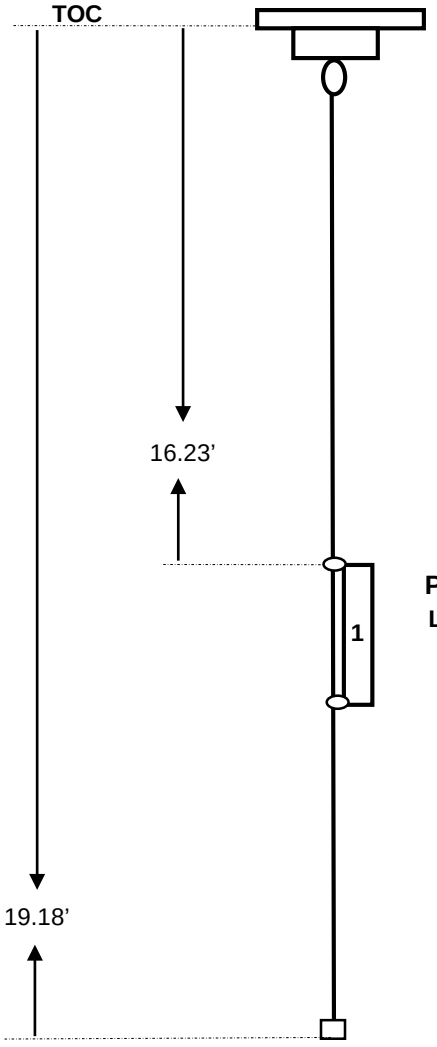
Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**

TRC Personnel: C.Rudzinski/J. Hensley

Date: 03/18/2020

DTW (ft): 9.50



PDB Length: 24"

Collect MS/MSD 9 VOA vials

Sample #: OW-18A

Sample Time: 1345

Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 19.60

Field Notes (Installation):

Field Notes (Sampling):

Collect MS/MSD 9 VOA vials

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

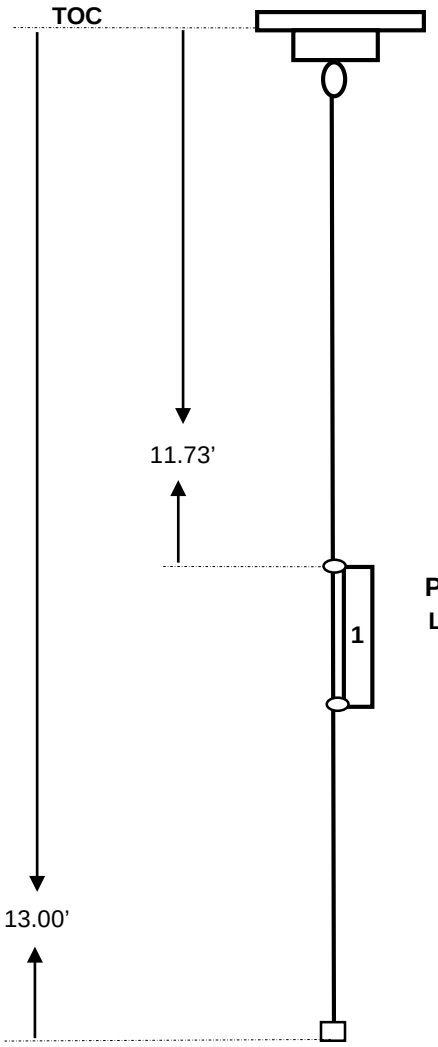
Solvent Chemical 105146-000040-00000	Well ID: OW-22A

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/25/2019
Time: 1038
DTW (ft): 12.43

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/24/2020
DTW (ft): 6.60



PDB Length: 12"

Sample #: OW-22A
Sample Time: 1135
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 13.00

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

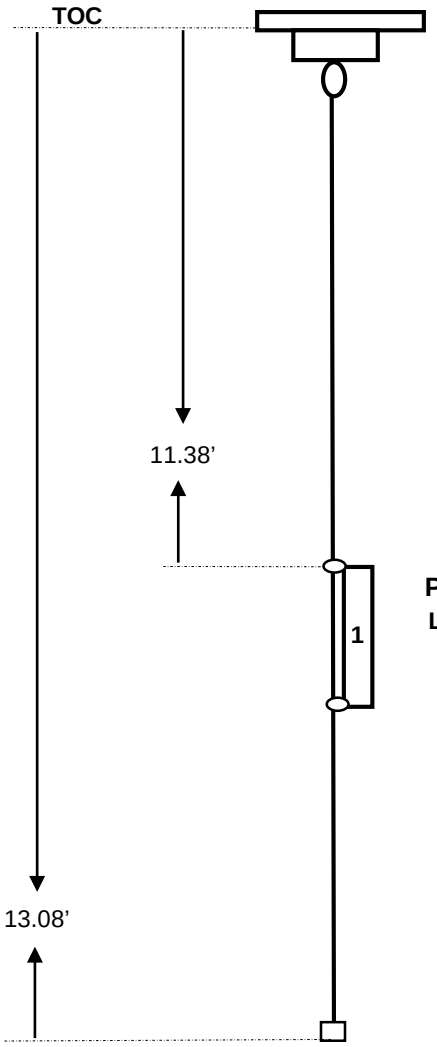
Solvent Chemical 105146-000040-00000	Well ID: OW-29A

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/25/2019
Time: 1520
DTW (ft): 9.91

Sampling of PDBs:

Month: 03 **2020** **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/25/2020
DTW (ft): 7.63



PDB Length: 18"

Sample #: OW-29A
Sample Time: 1115
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 12.75

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

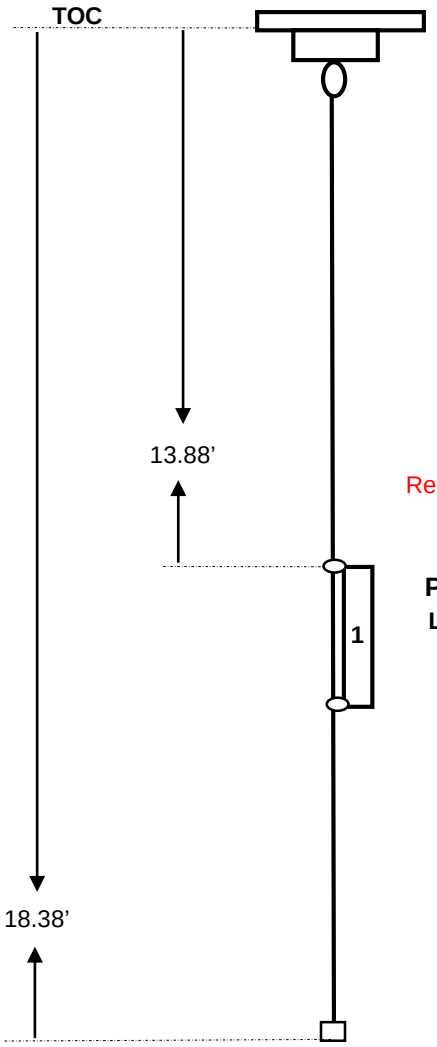
Solvent Chemical 105146-000040-00000	Well ID: MW-1B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/25/2019
Time: 1422
DTW (ft): 9.33

Sampling of PDBs:

Month: 03 **2020** **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/24/2020
DTW (ft): 8.27



Red PDB

PDB
Length: 18"

Sample #: MW-1B
Sample Time: 1430
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 18.80

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

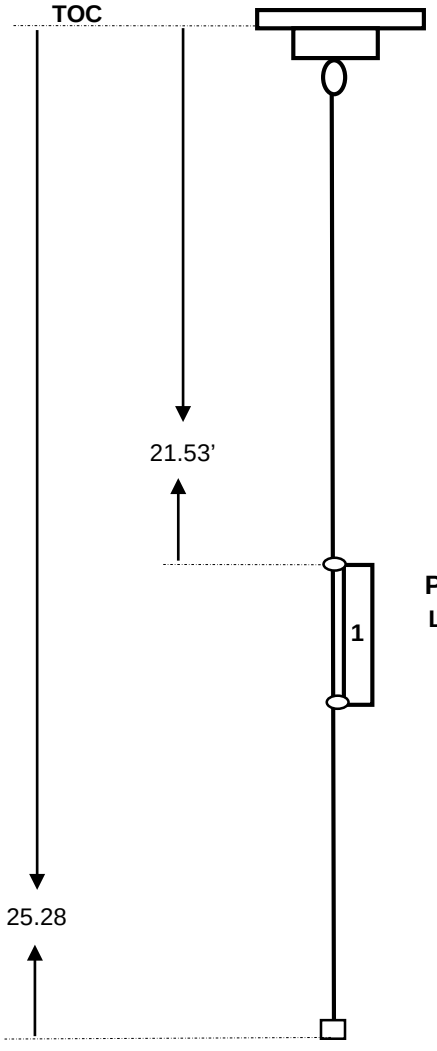
Solvent Chemical 105146-000040-00000	Well ID: MW-4B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/24/2019
Time: 1525
DTW (ft): 18.00

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/18/2020
DTW (ft): 18.14



PDB Length: 18"

Sample #: MW-4B
Sample Time: 1055
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 25.50

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

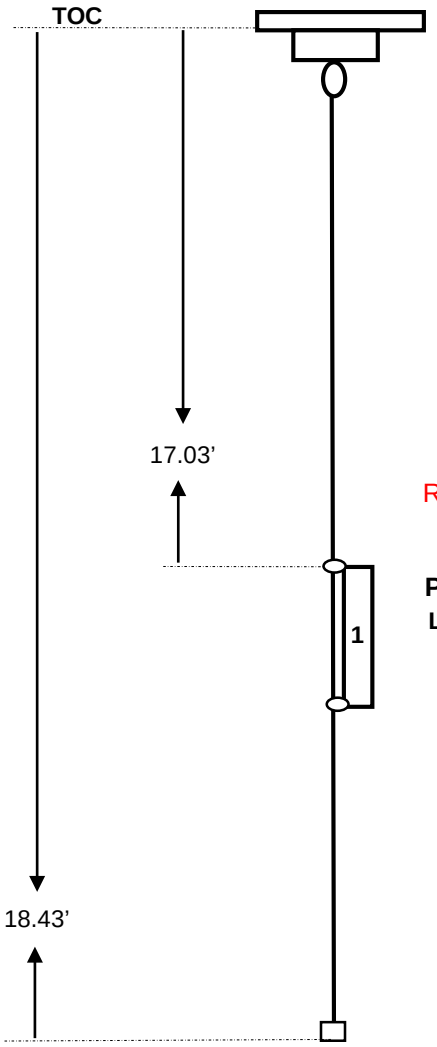
Solvent Chemical 105146-000040-00000	Well ID: MW-6B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/24/2019
Time: 1015
DTW (ft): 17.50

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/25/2020
DTW (ft): 16.82



Red PDB

PDB
Length: 18"

Sample #: MW-6B
Sample Time: 1100
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 20.40

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

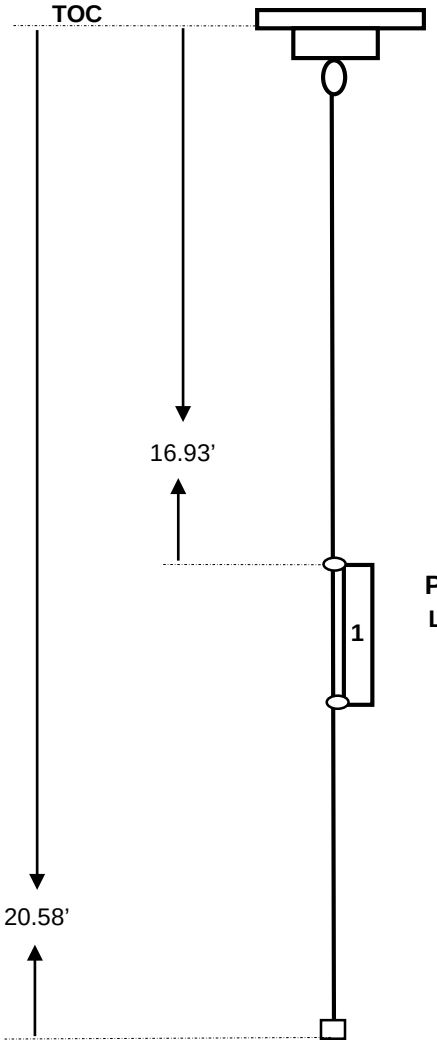
Solvent Chemical 105146-000040-00000	Well ID: OW-5B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/25/2019
Time: 1137
DTW (ft): 11.77

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/24/2020
DTW (ft): 11.89



PDB Length: 18"

Duplicate Sample OW-105B Time: 1330

Sample #: OW-5B
Sample Time: 1230
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 21.00

Field Notes (Installation):

Field Notes (Sampling):

Duplicate Sample OW-105B Time: 1330

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

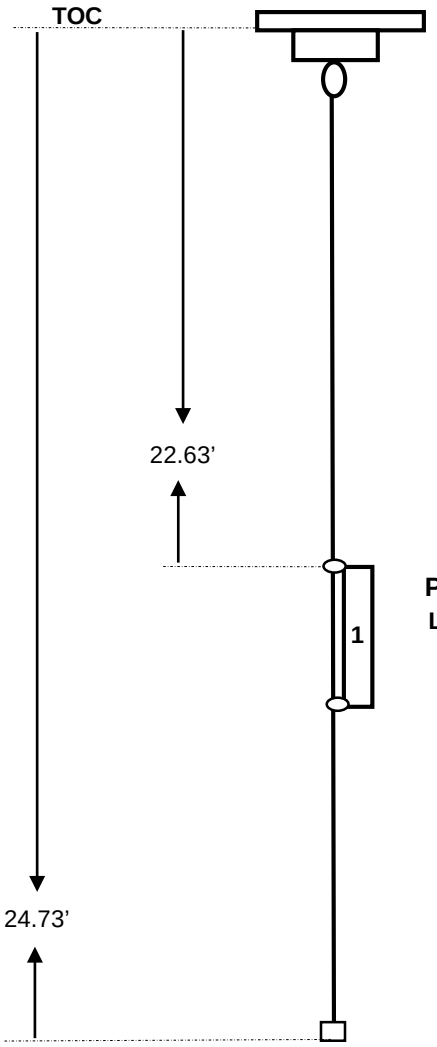
Solvent Chemical 105146-000040-00000	Well ID: OW-6B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/25/2019
Time: 1300
DTW (ft): 20.32

Sampling of PDBs:

Month: 03 **2020** **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/18/2020
DTW (ft): 20.35



PDB Length: 18"

Sample #: OW-6B
Sample Time: 1155
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 25.22

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

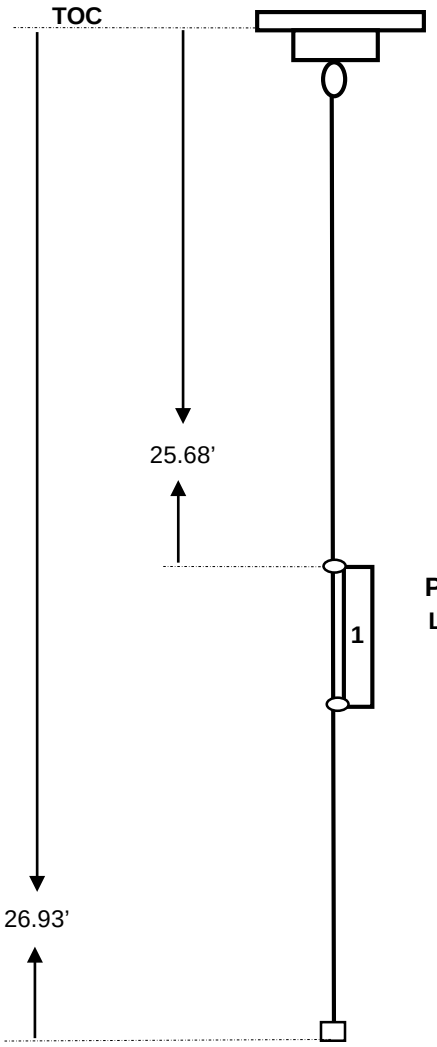
Solvent Chemical 105146-000040-00000	Well ID: OW-7B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/25/ 2019
Time: 1305
DTW (ft): 26.65

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/18/2020
DTW (ft): 26.67



PDB
Length: 12"

Sample #: OW-7B
Sample Time: 1210
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 27.08

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

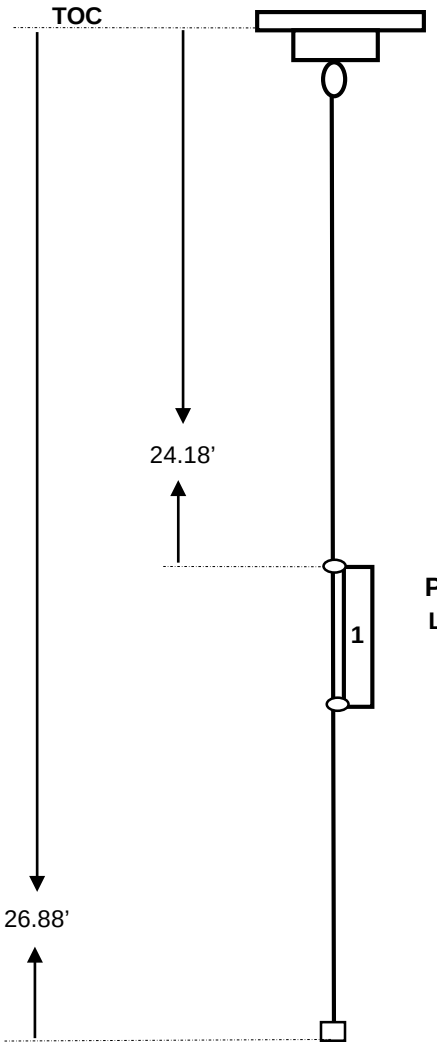
Solvent Chemical 105146-000040-00000	Well ID: OW-8B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/25/2019
Time: 1320
DTW (ft): 23.30

Sampling of PDBs:

Month: 03 **2020** **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/18/2020
DTW (ft): 23.02



PDB Length: 18"

Sample #: OW-8B
Sample Time: 1230
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 27.20

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

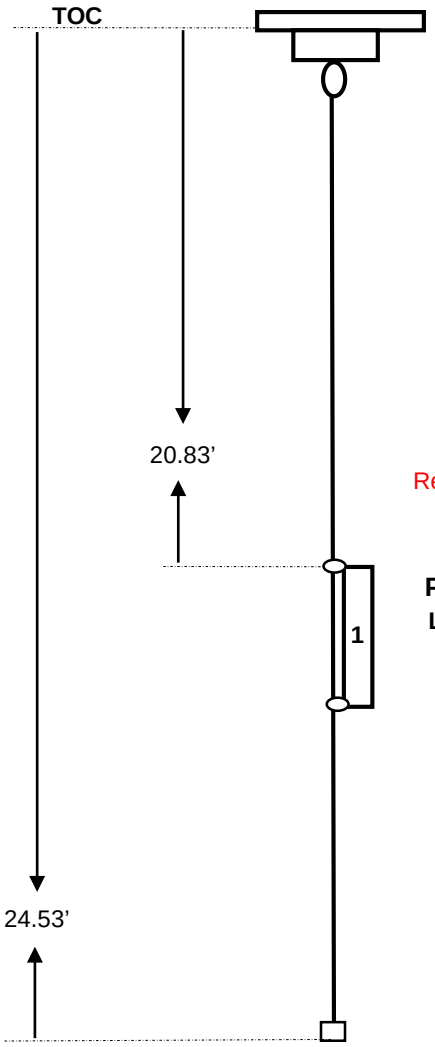
Solvent Chemical 105146-000040-00000	Well ID: OW-10B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/25/2019
Time: 1450
DTW (ft): 15.53

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/25/2020
DTW (ft): 15.89



Red PDB

PDB Length: 18"

Sample #: OW-10B
Sample Time: 1025
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 24.90

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

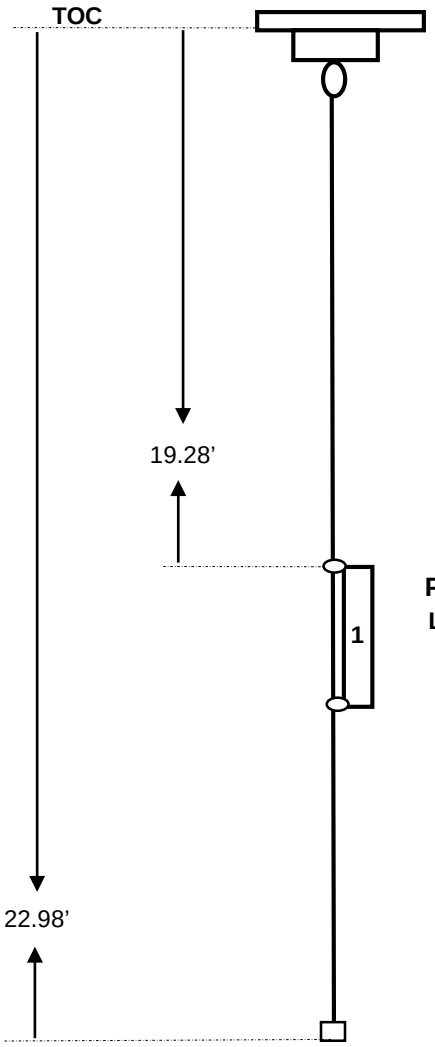
Solvent Chemical 105146-000040-00000	Well ID: OW-11B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/25/2019
Time: 1605
DTW (ft): 15.06

Sampling of PDBs:

Month: 03 **2020** **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/25/2020
DTW (ft): 15.00



PDB Length: 18"

Duplicate Sample: OW-111B
Sample Time: 1300

Sample #: OW-11B
Sample Time: 1200
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 23.43

Field Notes (Installation):

Evidence of NAPL on PDB bag. No measurable thickness of NAPL in well.

Field Notes (Sampling):

Duplicate Sample OW-111B Time: 1300

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

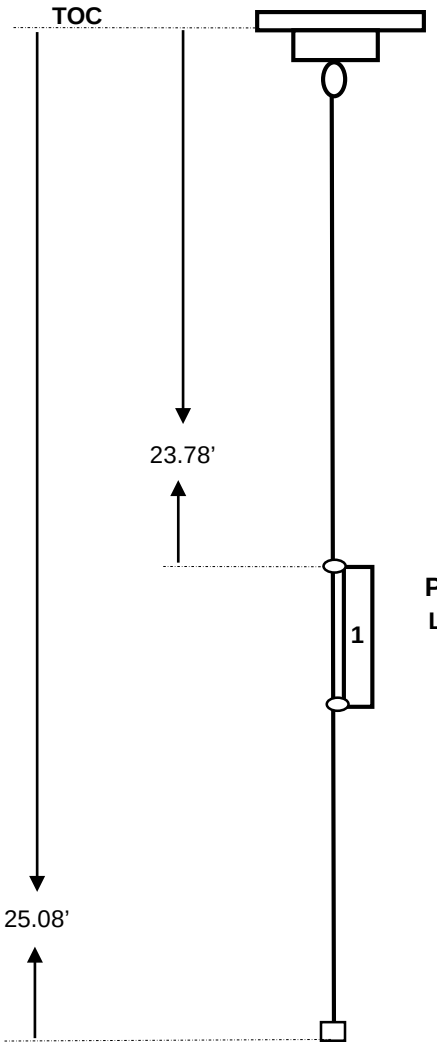
Solvent Chemical 105146-000040-00000	Well ID: OW-12B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/24/2019
Time: 1125
DTW (ft): 24.05

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/17/2020
DTW (ft): 23.67



PDB Length: 12"

Sample #: OW-12B
Sample Time: 1055
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 25.10

Field Notes (Installation):

Field Notes (Sampling):

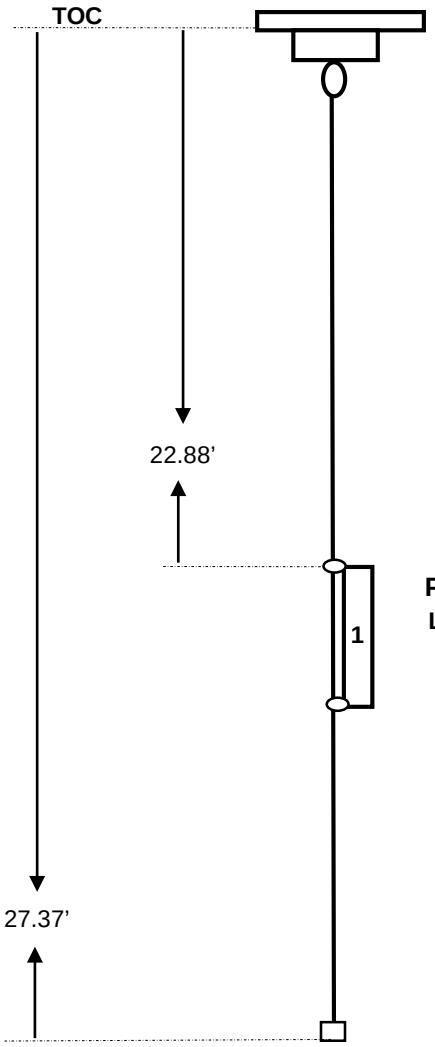
TRC Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)	Solvent Chemical 105146-000040-00000	Well ID: OW-13B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/24/2019
Time: 1225
DTW (ft): 18.23

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/18/2020
DTW (ft): 18.05



PDB Length: 24"

Duplicate Sample OW-113B Time: 1030

Sample #: OW-13B
Sample Time: 0930
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 27.80

Field Notes (Installation):

Field Notes (Sampling):

Duplicate Sample OW-113B Time: 1030

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

Solvent Chemical
105146-000040-00000

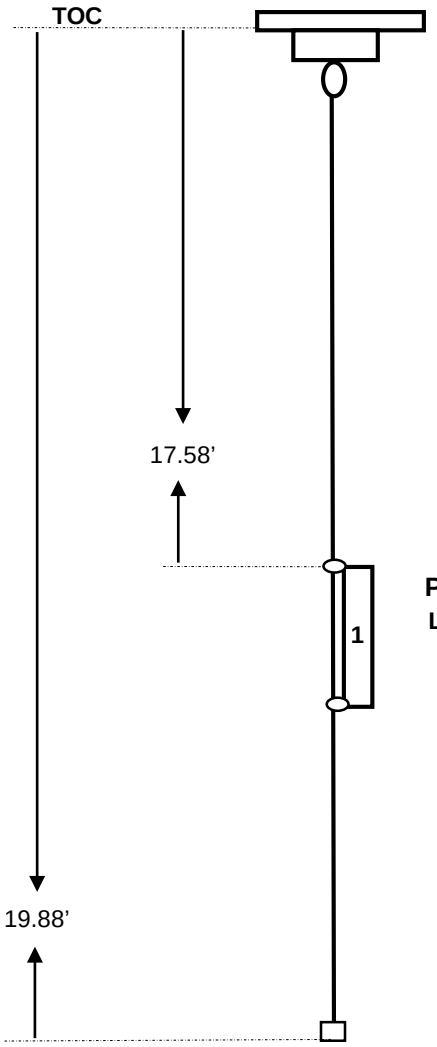
Well ID: OW-14B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/25/2019
Time: 0931
DTW (ft): 14.13

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/24/2020
DTW (ft): 14.23



PDB
Length: 18"

Sample #: OW-14B
Sample Time: 0900
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 20.28

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

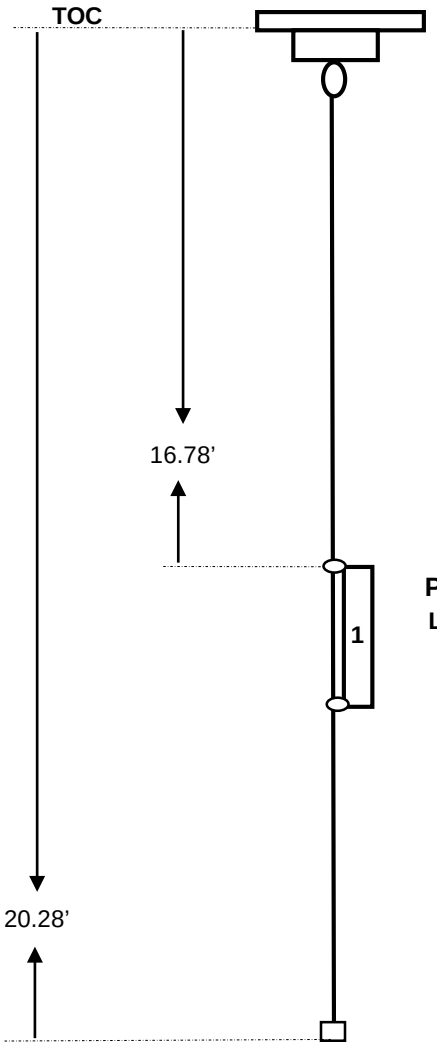
Solvent Chemical 105146-000040-00000	Well ID: OW-15B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/25/2019
Time: 1015
DTW (ft): 12.87

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/24/2020
DTW (ft): 12.95



PDB Length: 18"

Sample #: OW-15B
Sample Time: 1015
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 20.75

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-22B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty

Date: 9/25/2019

Time: 1045

DTW (ft): 14.23

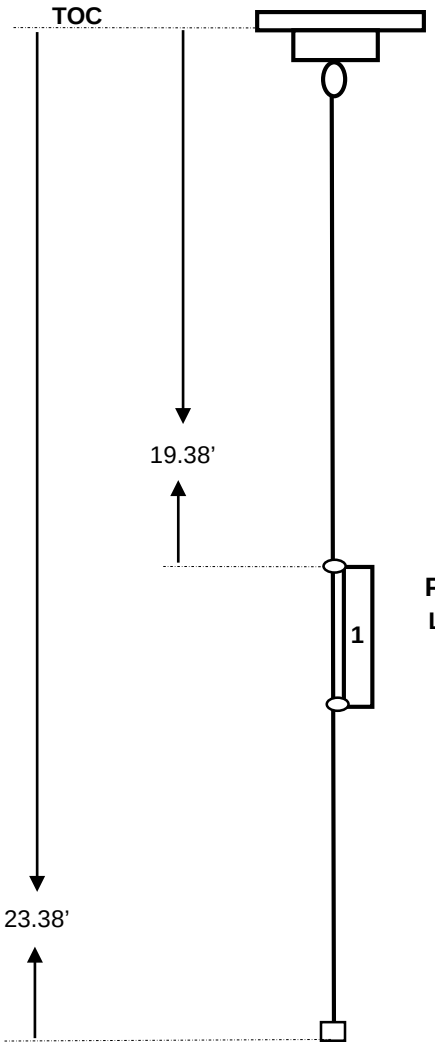
Sampling of PDBs:

Month: 03 **2020** **GW Sampling Round**

TRC Personnel: C.Rudzinski/J. Hensley

Date: 03/24/2020

DTW (ft): 14.30



PDB Length: 24"

Collect MS/MSD 9 VOA vials

Sample #: OW-22B

Sample Time: 1150

Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 23.82

Field Notes (Installation):

Field Notes (Sampling):

Collect MS/MSD 9 VOA vials

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

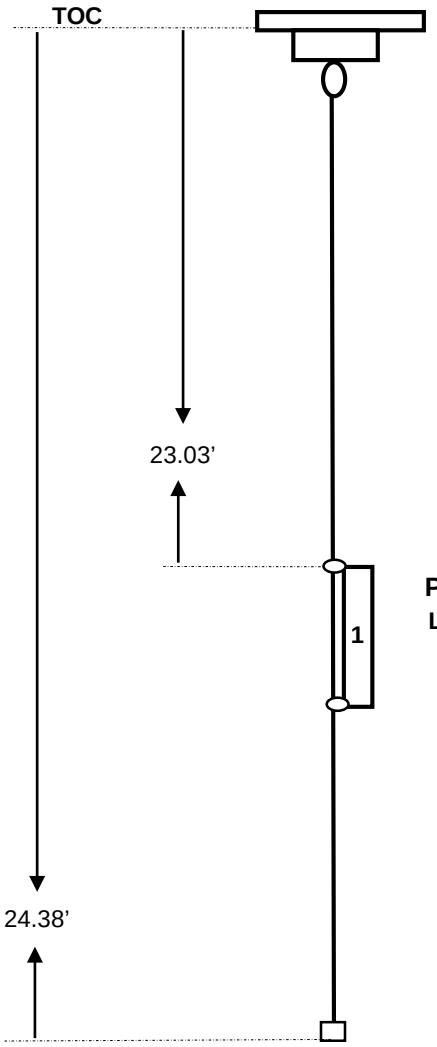
Solvent Chemical 105146-000040-00000	Well ID: OW-26B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 09/24/2019
Time: 1100
DTW (ft): 23.41

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/17/2020
DTW (ft): 22.82



PDB Length: 12"

Sample #: OW-26B
Sample Time: 0930
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 24.40

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

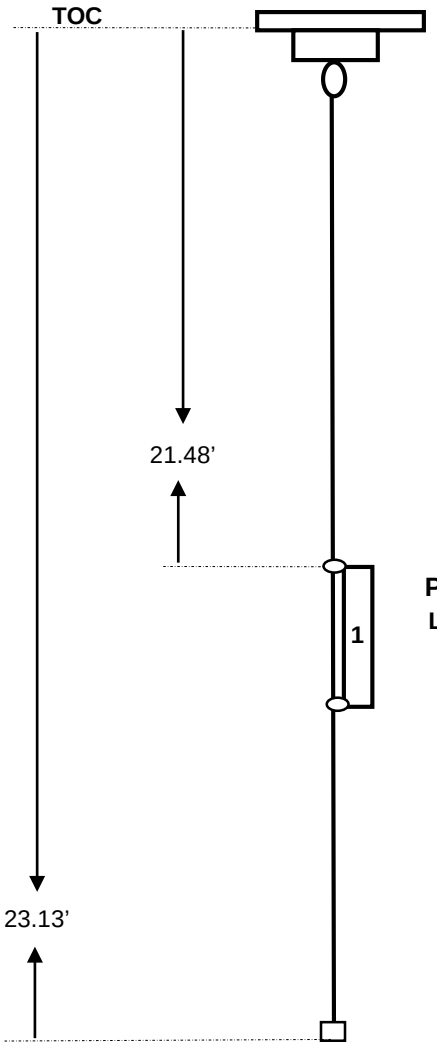
Solvent Chemical 105146-000040-00000	Well ID: OW-27B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/24/2019
Time: 0842
DTW (ft): 17.60

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/18/2020
DTW (ft): 17.18



PDB Length: 12"

Sample #: OW-27B
Sample Time: 0900
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 23.58

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

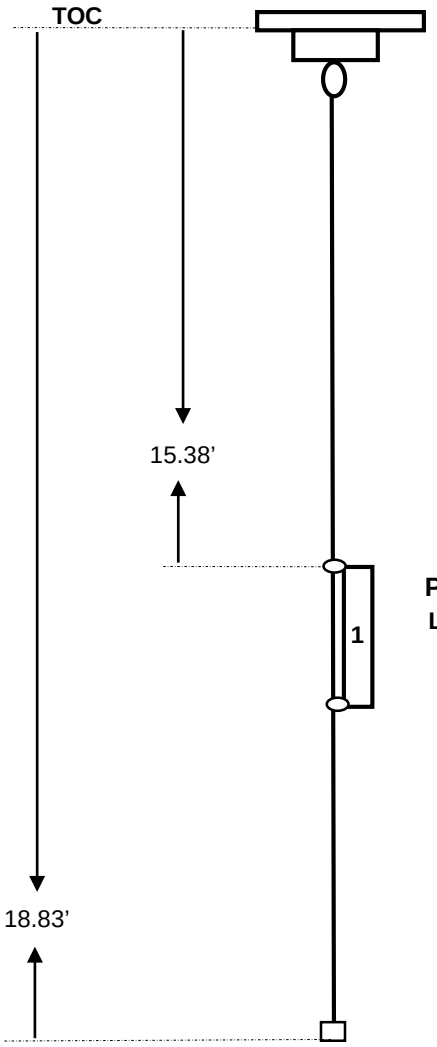
Solvent Chemical 105146-000040-00000	Well ID: OW-28B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/24/2019
Time: 1450
DTW (ft): 13.20

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/18/2020
DTW (ft): 13.71



PDB Length: 18"

Sample #: OW-28B
Sample Time: 1040
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 19.57

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

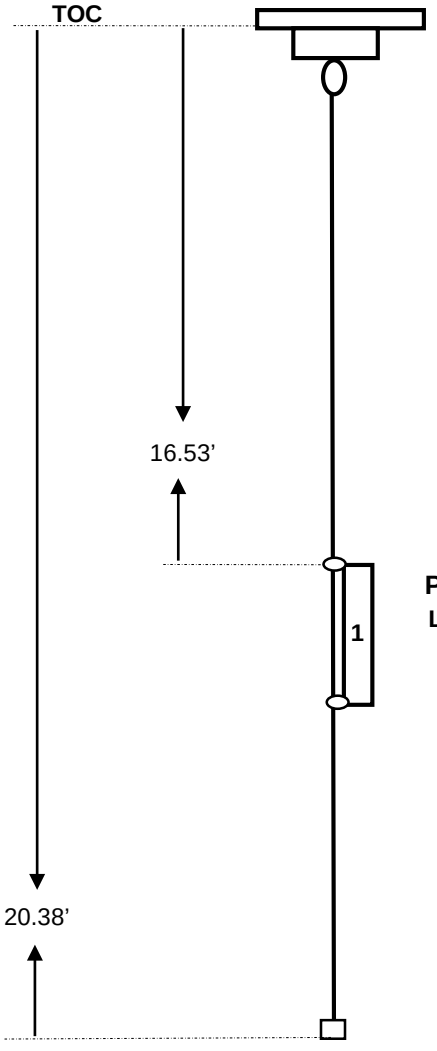
Solvent Chemical 105146-000040-00000	Well ID: OW-29B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/24/2019
Time: 1500
DTW (ft): 13.60

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/18/2020
DTW (ft): 13.55



PDB Length: 18"

Sample #: OW-29B
Sample Time: 1010
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 21.07

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

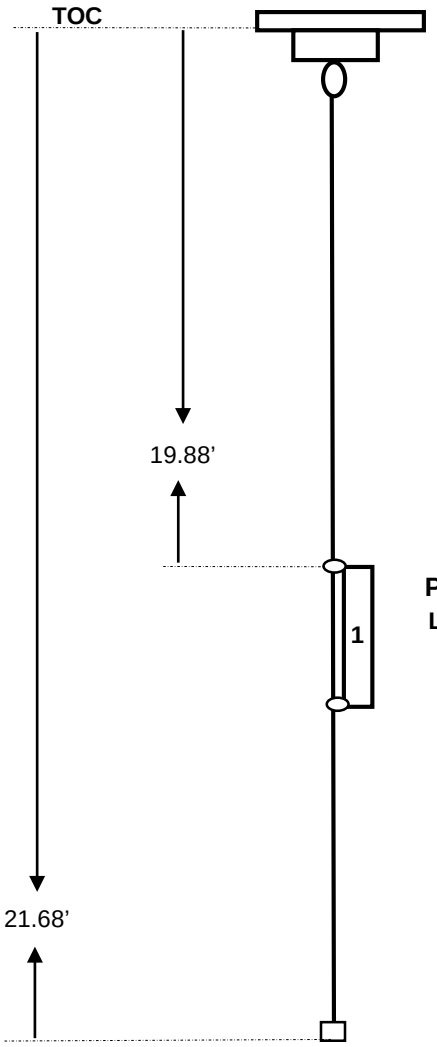
Solvent Chemical 105146-000040-00000	Well ID: OW-30B

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/24/2019
Time: 1115
DTW (ft): 20.05

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/17/2020
DTW (ft): 19.52



PDB Length: 12"

Sample #: OW-30B
Sample Time: 0945
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 22.41

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

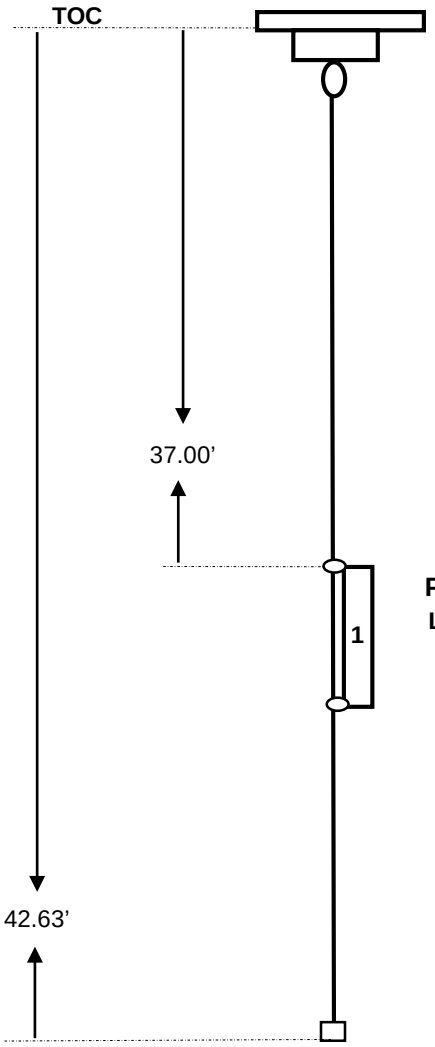
Solvent Chemical 105146-000040-00000	Well ID: MW-1C

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/25/2019
Time: 1432
DTW (ft): 16.20

Sampling of PDBs:

Month: 03 **2020** **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/25/2020
DTW (ft): 16.71



PDB
Length: 18"

Sample #: MW-1C
Sample Time: 0955
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 42.57

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

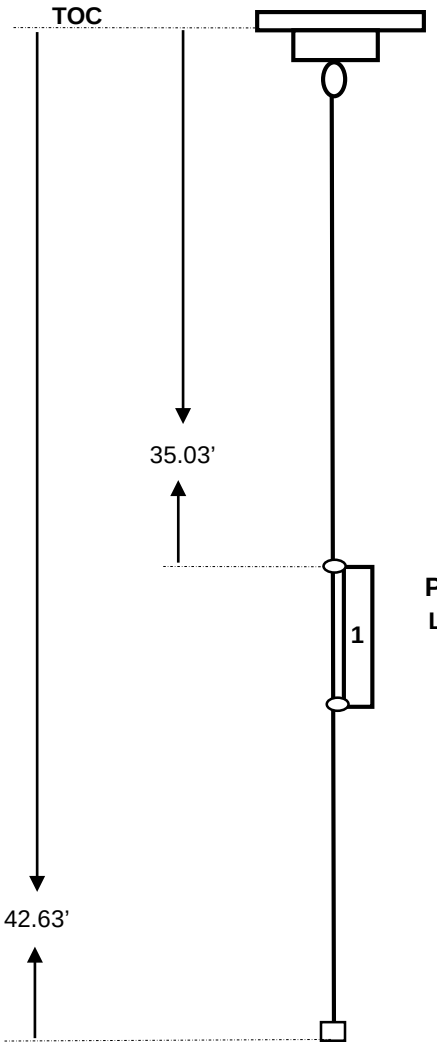
Solvent Chemical 105146-000040-00000	Well ID: MW-4C

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/24/2019
Time: 1510
DTW (ft): 28.20

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/18/2020
DTW (ft): 28.27



PDB Length: 24"

Collect MS/MSD 9 VOA vials

Sample #: MW-4C
Sample Time: 1130
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 41.94

Field Notes (Installation):

Field Notes (Sampling):

Collect MS/MSD 9 VOA vials

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

Solvent Chemical
105146-000040-00000

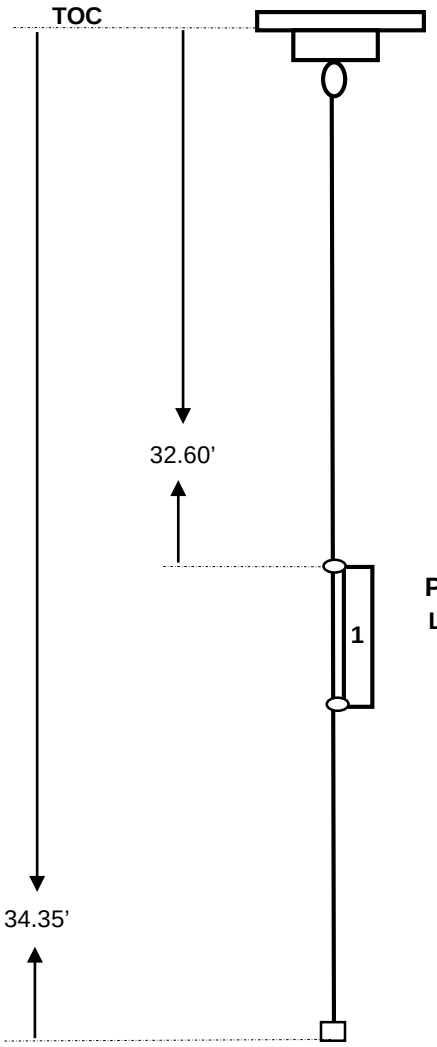
Well ID: MW-5C

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/24/2019
Time: 1135
DTW (ft): 25.40

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/17/2020
DTW (ft): 24.96



PDB
Length: 18"

Sample #: MW-5C
Sample Time: 1010
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 34.95

Field Notes (Installation):

Field Notes (Sampling):

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: C.Rudzinski/J. Faherty

Date: 9/25/2019

Time: 1442

DTW (ft): 16.36

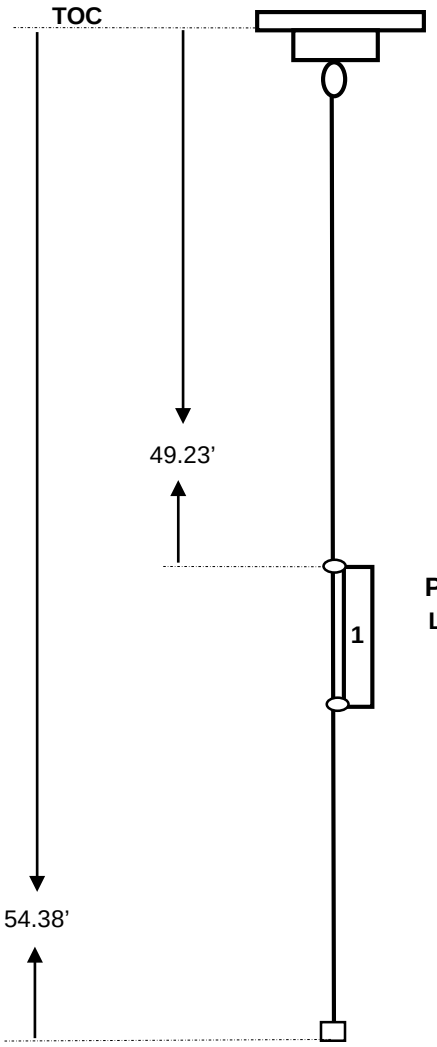
Sampling of PDBs:

Month: 03 **2020** **GW Sampling Round**

TRC Personnel: C.Rudzinski/J. Hensley

Date: 03/25/2020

DTW (ft): 17.10



PDB Length: 18"

Sample #: MW-1CD

Sample Time: 0945

Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 54.55

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

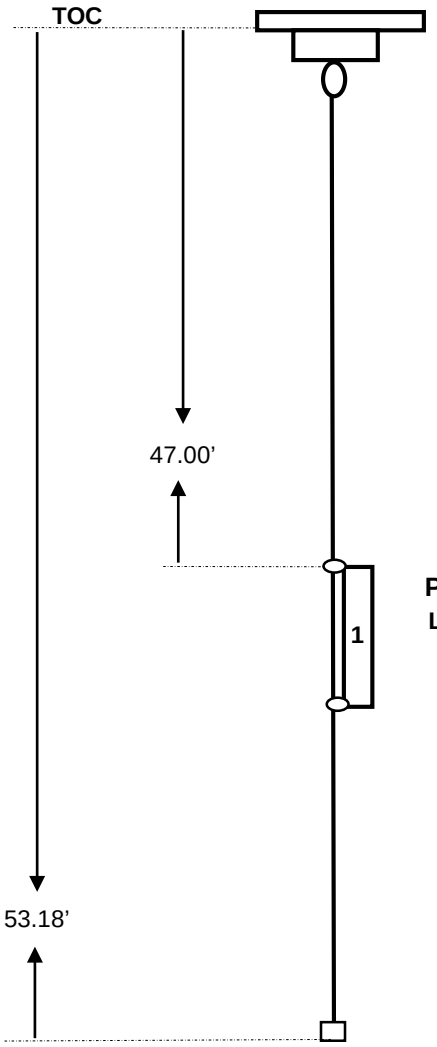
Solvent Chemical 105146-000040-00000	Well ID: MW-5CD

Installation of PDBs:

TRC Personnel: C.Rudzinski/J. Faherty
Date: 9/24/2019
Time: 1155
DTW (ft): 25.42

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/17/2020
DTW (ft): 26.20



PDB Length: 18"

Sample #: MW-5CD
Sample Time: 1020
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 53.45

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

Solvent Chemical
105146-000040-00000

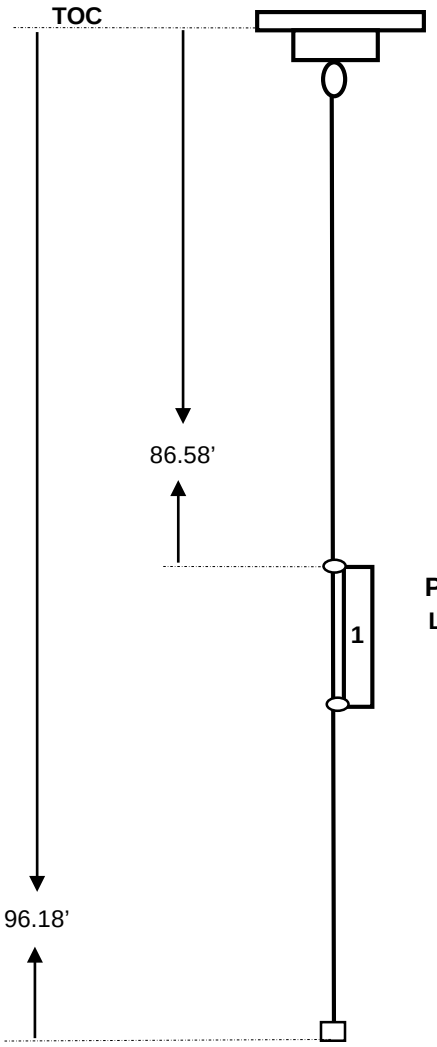
Well ID: MW-1F

Installation of PDBs:

TRC Personnel: Camtech
Date: 3/6/2020
Time:
DTW (ft):

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/24/2020
DTW (ft): 16.02



PDB
Length: 18"

Sample #: MW-1F
Sample Time: 1400
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB:95.30

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

Solvent Chemical
105146-000040-00000

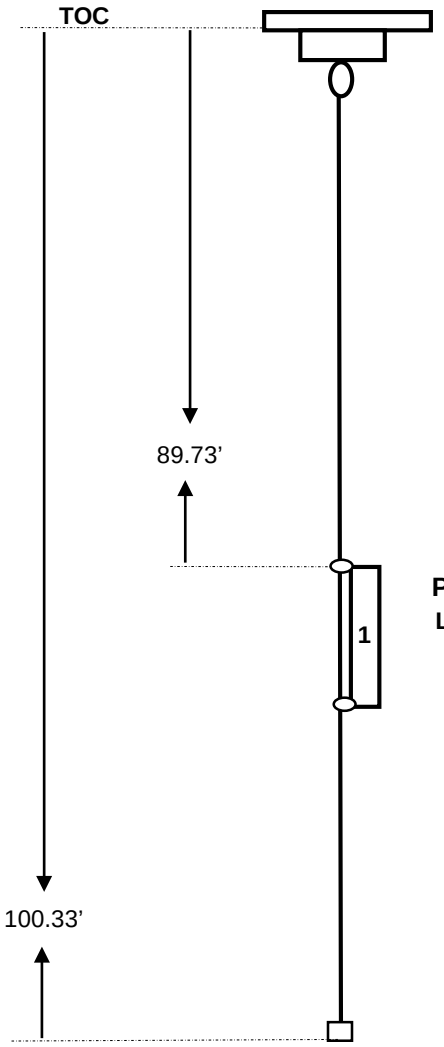
Well ID: MW-5F

Installation of PDBs:

TRC Personnel: Camtech
Date: 3/6/2020
Time:
DTW (ft):

Sampling of PDBs:

Month: 03 **20**20 **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/24/2020
DTW (ft): 19.10



PDB
Length: 18"

Sample #: MW-5F
Sample Time: 1300
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 100.60

Field Notes (Installation):

Field Notes (Sampling):

Groundwater Sampling Record for Organics (For Wells with Passive Diffusion Bags)

Solvent Chemical
105146-000040-00000

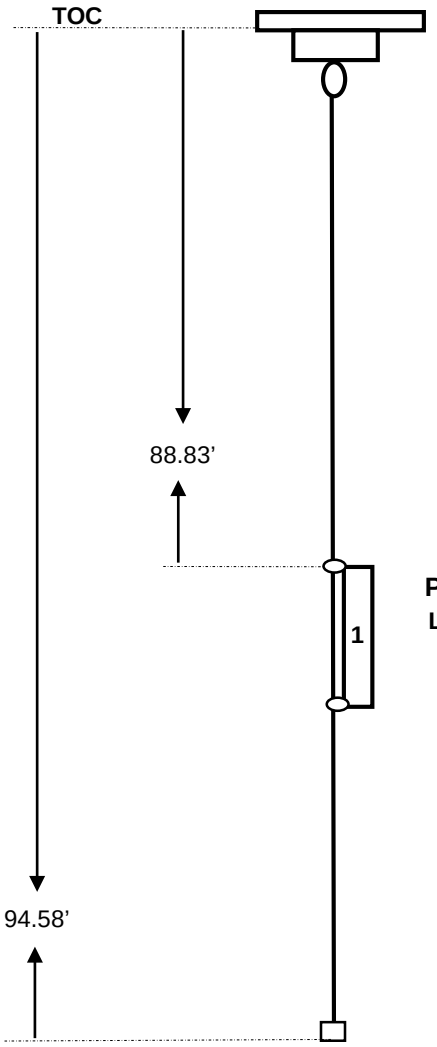
Well ID: MW-6F

Installation of PDBs:

TRC Personnel: Camtech
Date: 3/6/2020
Time:
DTW (ft):

Sampling of PDBs:

Month: 03 **2020** **GW Sampling Round**
TRC Personnel: C.Rudzinski/J. Hensley
Date: 03/24/2020
DTW (ft): 19.96



PDB
Length: 18"

Sample #: MW-6F
Sample Time: 1330
Evidence of algae, iron or other coatings?: None

Measured well depth during installation: DTB: 94.30

Field Notes (Installation):

Field Notes (Sampling):

APPENDIX E

Laboratory Data Report

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 480-167610-1
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:
3/26/2020 8:53:05 AM

Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

Table of Contents

Definitions/Glossary

Client: TRC Environmental Corporation
Job ID: 480-167610-1
Project/Site: Solvent Chemical Semi-annual Monitoring

Qualifiers

GC/MS VOA

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

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: 480-167610-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-167610-1

Comments
No additional comments.

Receipt
The samples were received on 3/19/2020 3:58 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OW-18A (480-167610-17), OW-18A (480-167610-17[MS]), OW-18A (480-167610-17[MSD]) and OW-9A (480-167610-19). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-522507 recovered above the upper control limit for 1,2,3-Trichlorobenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: OW-18A (480-167610-17), OW-12B (480-167610-18), OW-9A (480-167610-19), OW-16A (480-167610-21) and TRIP BLANK (480-167610-23).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-522503 recovered above the upper control limit for 2-Chloroethyl vinyl ether. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated samples are impacted: OW-15A (480-167610-3), OW-28B (480-167610-4), MW-4B (480-167610-5), MW-4C (480-167610-6), OW-5B (480-167610-7), OW-105B (480-167610-8), OW-7B (480-167610-10), OW-8B (480-167610-11), OW-30B (480-167610-13) and MW-5A (480-167610-14).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OW-15A (480-167610-3), OW-28B (480-167610-4), MW-4B (480-167610-5), MW-4C (480-167610-6), MW-4C (480-167610-6[MS]), MW-4C (480-167610-6[MSD]), OW-5B (480-167610-7), OW-105B (480-167610-8) and OW-8B (480-167610-11). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OW-12B (480-167610-18), OW-27B (480-167610-20) and OW-13B (480-167610-22). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-522531 recovered above the upper control limit for 2-Chloroethyl vinyl ether. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The associated samples are impacted: OW-113B (480-167610-1), OW-29B (480-167610-2), OW-6B (480-167610-9), OW-26B (480-167610-12), MW-5C (480-167610-15) and MW-5CD (480-167610-16).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-522531 recovered outside control limits for the following analyte: 2-Chloroethyl vinyl ether. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: OW-113B (480-167610-1), OW-29B (480-167610-2), OW-6B (480-167610-9), OW-26B (480-167610-12), MW-5C (480-167610-15) and MW-5CD (480-167610-16).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OW-113B (480-167610-1), OW-29B (480-167610-2), OW-6B (480-167610-9), OW-26B (480-167610-12), MW-5C (480-167610-15) and MW-5CD (480-167610-16). 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

Job ID: 480-167610-1

Client Sample ID: OW-113B — Lab Sample ID: 480-167610-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	370		200	82	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene	5600		200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene	6600		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene	1600		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene	5500		200	170	ug/L	200		8260C	Total/NA
Benzene	1400		200	82	ug/L	200		8260C	Total/NA
Chlorobenzene	8100		200	150	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene	7900		200	160	ug/L	200		8260C	Total/NA
Tetrachloroethene	550		200	72	ug/L	200		8260C	Total/NA
trans-1,2-Dichloroethene	210		200	180	ug/L	200		8260C	Total/NA
Trichloroethene	250		200	92	ug/L	200		8260C	Total/NA
Vinyl chloride	1900		200	180	ug/L	200		8260C	Total/NA

Client Sample ID: OW-29B — Lab Sample ID: 480-167610-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	250		200	42	ug/L	200		8260C	Total/NA
1,2,3-Trichlorobenzene	190	J	200	82	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene	2000		200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene	3500		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene	1000		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene	3000		200	170	ug/L	200		8260C	Total/NA
Benzene	830		200	82	ug/L	200		8260C	Total/NA
Chlorobenzene	4600		200	150	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene	9700		200	160	ug/L	200		8260C	Total/NA
Tetrachloroethene	1800		200	72	ug/L	200		8260C	Total/NA
trans-1,2-Dichloroethene	250		200	180	ug/L	200		8260C	Total/NA
Trichloroethene	2300		200	92	ug/L	200		8260C	Total/NA
Vinyl chloride	2000		200	180	ug/L	200		8260C	Total/NA

Client Sample ID: OW-15A — Lab Sample ID: 480-167610-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	190		10	4.1	ug/L	10		8260C	Total/NA
1,2-Dichlorobenzene	470		10	7.9	ug/L	10		8260C	Total/NA
1,3-Dichlorobenzene	100		10	7.8	ug/L	10		8260C	Total/NA
1,4-Dichlorobenzene	250		10	8.4	ug/L	10		8260C	Total/NA
Chlorobenzene	70		10	7.5	ug/L	10		8260C	Total/NA

Client Sample ID: OW-28B — Lab Sample ID: 480-167610-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	240		50	11	ug/L	50		8260C	Total/NA
1,2,4-Trichlorobenzene	68		50	21	ug/L	50		8260C	Total/NA
1,2-Dichlorobenzene	49	J	50	40	ug/L	50		8260C	Total/NA
1,3-Dichlorobenzene	39	J	50	39	ug/L	50		8260C	Total/NA
1,4-Dichlorobenzene	62		50	42	ug/L	50		8260C	Total/NA
Chlorobenzene	54		50	38	ug/L	50		8260C	Total/NA
Chloroform	63		50	17	ug/L	50		8260C	Total/NA
cis-1,2-Dichloroethene	1900		50	41	ug/L	50		8260C	Total/NA
Tetrachloroethene	1300		50	18	ug/L	50		8260C	Total/NA
trans-1,2-Dichloroethene	47	J	50	45	ug/L	50		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OW-28B (Continued) — Lab Sample ID: 480-167610-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	2700		50	23	ug/L	50		8260C	Total/NA
Vinyl chloride	55		50	45	ug/L	50		8260C	Total/NA

Client Sample ID: MW-4B — Lab Sample ID: 480-167610-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	510		200	42	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene	250		200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene	720		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene	320		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene	580		200	170	ug/L	200		8260C	Total/NA
Chlorobenzene	190	J	200	150	ug/L	200		8260C	Total/NA
Chloroform	280		200	68	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene	1800		200	160	ug/L	200		8260C	Total/NA
Tetrachloroethene	1800		200	72	ug/L	200		8260C	Total/NA
Trichloroethene	6000		200	92	ug/L	200		8260C	Total/NA

Client Sample ID: MW-4C — Lab Sample ID: 480-167610-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	290	J	400	84	ug/L	400		8260C	Total/NA
1,2,4-Trichlorobenzene	500		400	160	ug/L	400		8260C	Total/NA
1,2-Dichlorobenzene	1600		400	320	ug/L	400		8260C	Total/NA
1,4-Dichlorobenzene	1100		400	340	ug/L	400		8260C	Total/NA
Benzene	3000		400	160	ug/L	400		8260C	Total/NA
Chlorobenzene	3900		400	300	ug/L	400		8260C	Total/NA
cis-1,2-Dichloroethene	19000		400	320	ug/L	400		8260C	Total/NA
Tetrachloroethene	3600		400	140	ug/L	400		8260C	Total/NA
Trichloroethene	3800		400	180	ug/L	400		8260C	Total/NA
Vinyl chloride	1200		400	360	ug/L	400		8260C	Total/NA

Client Sample ID: OW-5B — Lab Sample ID: 480-167610-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	290		200	42	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene	91	J	200	82	ug/L	200		8260C	Total/NA
Chlorobenzene	190	J	200	150	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene	1500		200	160	ug/L	200		8260C	Total/NA
Tetrachloroethene	2000		200	72	ug/L	200		8260C	Total/NA
Trichloroethene	4700		200	92	ug/L	200		8260C	Total/NA

Client Sample ID: OW-105B — Lab Sample ID: 480-167610-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	280		100	21	ug/L	100		8260C	Total/NA
1,2,4-Trichlorobenzene	89	J	100	41	ug/L	100		8260C	Total/NA
1,2-Dichlorobenzene	100		100	79	ug/L	100		8260C	Total/NA
1,3-Dichlorobenzene	100		100	78	ug/L	100		8260C	Total/NA
1,4-Dichlorobenzene	130		100	84	ug/L	100		8260C	Total/NA
Benzene	52	J	100	41	ug/L	100		8260C	Total/NA
Chlorobenzene	170		100	75	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene	1300		100	81	ug/L	100		8260C	Total/NA
Tetrachloroethene	1800		100	36	ug/L	100		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OW-105B (Continued)

Lab Sample ID: 480-167610-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	4100		100	46	ug/L	100		8260C	Total/NA
Vinyl chloride	110		100	90	ug/L	100		8260C	Total/NA

Client Sample ID: OW-6B

Lab Sample ID: 480-167610-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	70		50	11	ug/L	50		8260C	Total/NA
1,2,3-Trichlorobenzene	30	J	50	21	ug/L	50		8260C	Total/NA
1,2,4-Trichlorobenzene	770		50	21	ug/L	50		8260C	Total/NA
1,2-Dichlorobenzene	490		50	40	ug/L	50		8260C	Total/NA
1,3-Dichlorobenzene	280		50	39	ug/L	50		8260C	Total/NA
1,4-Dichlorobenzene	550		50	42	ug/L	50		8260C	Total/NA
Benzene	73		50	21	ug/L	50		8260C	Total/NA
Chlorobenzene	510		50	38	ug/L	50		8260C	Total/NA
cis-1,2-Dichloroethene	3000		50	41	ug/L	50		8260C	Total/NA
Tetrachloroethene	570		50	18	ug/L	50		8260C	Total/NA
trans-1,2-Dichloroethene	77		50	45	ug/L	50		8260C	Total/NA
Trichloroethene	1000		50	23	ug/L	50		8260C	Total/NA
Vinyl chloride	420		50	45	ug/L	50		8260C	Total/NA

Client Sample ID: OW-7B

Lab Sample ID: 480-167610-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	13		1.0	0.21	ug/L	1		8260C	Total/NA
1,1,2-Trichloroethane	0.57	J	1.0	0.23	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.6		1.0	0.38	ug/L	1		8260C	Total/NA
1,3-Dichlorobenzene	1.6		1.0	0.78	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	1.3		1.0	0.84	ug/L	1		8260C	Total/NA
Chlorobenzene	6.0		1.0	0.75	ug/L	1		8260C	Total/NA
Chloroform	1.8		1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	84		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	37		1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	11		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	96		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: OW-8B

Lab Sample ID: 480-167610-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.3	J	2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.3	J	2.0	0.58	ug/L	2		8260C	Total/NA
Acetone	26		20	6.0	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	50		2.0	1.6	ug/L	2		8260C	Total/NA
Trichloroethene	60		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: OW-26B

Lab Sample ID: 480-167610-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.2	J	2.0	0.76	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	5.7		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	110		2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	8.3		2.0	0.92	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 480-167610-1

Client Sample ID: OW-30B — Lab Sample ID: 480-167610-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.1		1.0	0.38	ug/L	1		8260C	Total/NA
1,2-Dichlorobenzene	2.2		1.0	0.79	ug/L	1		8260C	Total/NA
1,3-Dichlorobenzene	2.8		1.0	0.78	ug/L	1		8260C	Total/NA
Benzene	0.80	J	1.0	0.41	ug/L	1		8260C	Total/NA
Chlorobenzene	2.4		1.0	0.75	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	13		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	26		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	33		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	0.96	J	1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW-5A — Lab Sample ID: 480-167610-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	8.9		1.0	0.36	ug/L	1		8260C	Total/NA

Client Sample ID: MW-5C — Lab Sample ID: 480-167610-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	480		20	16	ug/L	20		8260C	Total/NA
1,3-Dichlorobenzene	650		20	16	ug/L	20		8260C	Total/NA
1,4-Dichlorobenzene	1200		20	17	ug/L	20		8260C	Total/NA
Benzene	35		20	8.2	ug/L	20		8260C	Total/NA
Chlorobenzene	1200		20	15	ug/L	20		8260C	Total/NA

Client Sample ID: MW-5CD — Lab Sample ID: 480-167610-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	38		10	4.1	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	550		10	8.1	ug/L	10		8260C	Total/NA
trans-1,2-Dichloroethene	45		10	9.0	ug/L	10		8260C	Total/NA
Vinyl chloride	290		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: OW-18A — Lab Sample ID: 480-167610-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	130	J	200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene	5500		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene	1200		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene	9300	F1	200	170	ug/L	200		8260C	Total/NA
Benzene	270		200	82	ug/L	200		8260C	Total/NA
Chlorobenzene	5800		200	150	ug/L	200		8260C	Total/NA

Client Sample ID: OW-12B — Lab Sample ID: 480-167610-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.0		1.0	0.38	ug/L	1		8260C	Total/NA
1,2,3-Trichlorobenzene	0.47	J	1.0	0.41	ug/L	1		8260C	Total/NA
1,2,4-Trichlorobenzene	3.0		1.0	0.41	ug/L	1		8260C	Total/NA
1,2-Dichlorobenzene	290	E	1.0	0.79	ug/L	1		8260C	Total/NA
1,3-Dichlorobenzene	300	E	1.0	0.78	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	590	E	1.0	0.84	ug/L	1		8260C	Total/NA
Benzene	40		1.0	0.41	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OW-12B (Continued) — Lab Sample ID: 480-167610-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	780	E	1.0	0.75	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	53		1.0	0.81	ug/L	1		8260C	Total/NA
Ethylbenzene	0.82	J	1.0	0.74	ug/L	1		8260C	Total/NA
Tetrachloroethene	2.1		1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	4.3		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	2.6		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	14		1.0	0.90	ug/L	1		8260C	Total/NA
1,2-Dichlorobenzene - DL	310		20	16	ug/L	20		8260C	Total/NA
1,3-Dichlorobenzene - DL	320		20	16	ug/L	20		8260C	Total/NA
1,4-Dichlorobenzene - DL	670		20	17	ug/L	20		8260C	Total/NA
Benzene - DL	43		20	8.2	ug/L	20		8260C	Total/NA
Chlorobenzene - DL	1100		20	15	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene - DL	57		20	16	ug/L	20		8260C	Total/NA

Client Sample ID: OW-9A — Lab Sample ID: 480-167610-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	350		100	81	ug/L	100		8260C	Total/NA
Tetrachloroethene	7800		100	36	ug/L	100		8260C	Total/NA
Trichloroethene	280		100	46	ug/L	100		8260C	Total/NA

Client Sample ID: OW-27B — Lab Sample ID: 480-167610-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	27	J	50	21	ug/L	50		8260C	Total/NA
1,2,4-Trichlorobenzene	160		50	21	ug/L	50		8260C	Total/NA
1,2-Dichlorobenzene	1000		50	40	ug/L	50		8260C	Total/NA
1,3-Dichlorobenzene	430		50	39	ug/L	50		8260C	Total/NA
1,4-Dichlorobenzene	1300		50	42	ug/L	50		8260C	Total/NA
Benzene	290		50	21	ug/L	50		8260C	Total/NA
Chlorobenzene	2000		50	38	ug/L	50		8260C	Total/NA
cis-1,2-Dichloroethene	1300		50	41	ug/L	50		8260C	Total/NA
Tetrachloroethene	180		50	18	ug/L	50		8260C	Total/NA
trans-1,2-Dichloroethene	52		50	45	ug/L	50		8260C	Total/NA
Trichloroethene	98		50	23	ug/L	50		8260C	Total/NA
Vinyl chloride	410		50	45	ug/L	50		8260C	Total/NA

Client Sample ID: OW-16A — Lab Sample ID: 480-167610-21

No Detections.

Client Sample ID: OW-13B — Lab Sample ID: 480-167610-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	400		200	82	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene	5900		200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene	6400		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene	1500		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene	5200		200	170	ug/L	200		8260C	Total/NA
Benzene	1300		200	82	ug/L	200		8260C	Total/NA
Chlorobenzene	8100		200	150	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene	7700		200	160	ug/L	200		8260C	Total/NA
Tetrachloroethene	590		200	72	ug/L	200		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OW-13B (Continued)
Lab Sample ID: 480-167610-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	220		200	180	ug/L	200		8260C	Total/NA
Trichloroethene	280		200	92	ug/L	200		8260C	Total/NA
Vinyl chloride	2200		200	180	ug/L	200		8260C	Total/NA

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-167610-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.8		1.0	0.34	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

Job ID: 480-167610-1

Client Sample ID: OW-113B
Date Collected: 03/18/20 10:30
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-1
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		200	70	ug/L			03/22/20 22:21	200
1,1,1-Trichloroethane	ND		200	160	ug/L			03/22/20 22:21	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			03/22/20 22:21	200
1,1,2-Trichloroethane	ND		200	46	ug/L			03/22/20 22:21	200
1,1-Dichloroethane	ND		200	76	ug/L			03/22/20 22:21	200
1,1-Dichloroethene	ND		200	58	ug/L			03/22/20 22:21	200
1,1-Dichloropropene	ND		200	140	ug/L			03/22/20 22:21	200
1,2,3-Trichlorobenzene	**370**		200	82	ug/L			03/22/20 22:21	200
1,2,3-Trichloropropane	ND		200	180	ug/L			03/22/20 22:21	200
1,2,4-Trichlorobenzene	**5600**		200	82	ug/L			03/22/20 22:21	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			03/22/20 22:21	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			03/22/20 22:21	200
1,2-Dibromoethane	ND		200	150	ug/L			03/22/20 22:21	200
1,2-Dichlorobenzene	**6600**		200	160	ug/L			03/22/20 22:21	200
1,2-Dichloroethane	ND		200	42	ug/L			03/22/20 22:21	200
1,2-Dichloropropane	ND		200	140	ug/L			03/22/20 22:21	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			03/22/20 22:21	200
1,3-Dichlorobenzene	**1600**		200	160	ug/L			03/22/20 22:21	200
1,3-Dichloropropane	ND		200	150	ug/L			03/22/20 22:21	200
1,4-Dichlorobenzene	**5500**		200	170	ug/L			03/22/20 22:21	200
2,2-Dichloropropane	ND		200	80	ug/L			03/22/20 22:21	200
2-Butanone (MEK)	ND		2000	260	ug/L			03/22/20 22:21	200
2-Chloroethyl vinyl ether	ND	*	1000	190	ug/L			03/22/20 22:21	200
2-Hexanone	ND		1000	250	ug/L			03/22/20 22:21	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			03/22/20 22:21	200
Acetone	ND		2000	600	ug/L			03/22/20 22:21	200
Benzene	**1400**		200	82	ug/L			03/22/20 22:21	200
Bromobenzene	ND		200	160	ug/L			03/22/20 22:21	200
Bromochloromethane	ND		200	170	ug/L			03/22/20 22:21	200
Bromodichloromethane	ND		200	78	ug/L			03/22/20 22:21	200
Bromoform	ND		200	52	ug/L			03/22/20 22:21	200
Bromomethane	ND		200	140	ug/L			03/22/20 22:21	200
Carbon disulfide	ND		200	38	ug/L			03/22/20 22:21	200
Carbon tetrachloride	ND		200	54	ug/L			03/22/20 22:21	200
Chlorobenzene	**8100**		200	150	ug/L			03/22/20 22:21	200
Chlorodibromomethane	ND		200	64	ug/L			03/22/20 22:21	200
Chloroethane	ND		200	64	ug/L			03/22/20 22:21	200
Chloroform	ND		200	68	ug/L			03/22/20 22:21	200
Chloromethane	ND		200	70	ug/L			03/22/20 22:21	200
cis-1,2-Dichloroethene	**7900**		200	160	ug/L			03/22/20 22:21	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			03/22/20 22:21	200
Dichlorodifluoromethane	ND		200	140	ug/L			03/22/20 22:21	200
Ethylbenzene	ND		200	150	ug/L			03/22/20 22:21	200
Hexachlorobutadiene	ND		400	56	ug/L			03/22/20 22:21	200
Isopropylbenzene	ND		200	160	ug/L			03/22/20 22:21	200
Methyl tert-butyl ether	ND		200	32	ug/L			03/22/20 22:21	200
Methylene Chloride	ND		200	88	ug/L			03/22/20 22:21	200
m-Xylene & p-Xylene	ND		400	130	ug/L			03/22/20 22:21	200
Naphthalene	ND		200	86	ug/L			03/22/20 22:21	200

Client Sample ID: OW-113B

Lab Sample ID: 480-167610-1

Date Collected: 03/18/20 10:30

Matrix: Water

Date Received: 03/19/20 15:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		200	130	ug/L			03/22/20 22:21	200
N-Propylbenzene	ND		200	140	ug/L			03/22/20 22:21	200
o-Chlorotoluene	ND		200	170	ug/L			03/22/20 22:21	200
o-Xylene	ND		200	150	ug/L			03/22/20 22:21	200
p-Chlorotoluene	ND		200	170	ug/L			03/22/20 22:21	200
p-Cymene	ND		200	62	ug/L			03/22/20 22:21	200
sec-Butylbenzene	ND		200	150	ug/L			03/22/20 22:21	200
Styrene	ND		200	150	ug/L			03/22/20 22:21	200
tert-Butylbenzene	ND		200	160	ug/L			03/22/20 22:21	200
Tetrachloroethene	**550**		200	72	ug/L			03/22/20 22:21	200
Toluene	ND		200	100	ug/L			03/22/20 22:21	200
trans-1,2-Dichloroethene	**210**		200	180	ug/L			03/22/20 22:21	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			03/22/20 22:21	200
Trichloroethene	**250**		200	92	ug/L			03/22/20 22:21	200
Trichlorofluoromethane	ND		200	180	ug/L			03/22/20 22:21	200
Vinyl acetate	ND		1000	170	ug/L			03/22/20 22:21	200
Vinyl chloride	**1900**		200	180	ug/L			03/22/20 22:21	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*03/22/20 22:21*	*200*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*03/22/20 22:21*	*200*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*03/22/20 22:21*	*200*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/22/20 22:21*	*200*

Client Sample ID: OW-29B

Lab Sample ID: 480-167610-2

Date Collected: 03/18/20 10:10

Matrix: Water

Date Received: 03/19/20 15:58

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			03/22/20 22:44	200
1,1,1-Trichloroethane	ND		200	160	ug/L			03/22/20 22:44	200
1,1,2,2-Tetrachloroethane	**250**		200	42	ug/L			03/22/20 22:44	200
1,1,2-Trichloroethane	ND		200	46	ug/L			03/22/20 22:44	200
1,1-Dichloroethane	ND		200	76	ug/L			03/22/20 22:44	200
1,1-Dichloroethene	ND		200	58	ug/L			03/22/20 22:44	200
1,1-Dichloropropene	ND		200	140	ug/L			03/22/20 22:44	200
1,2,3-Trichlorobenzene	**190**	**J**	200	82	ug/L			03/22/20 22:44	200
1,2,3-Trichloropropane	ND		200	180	ug/L			03/22/20 22:44	200
1,2,4-Trichlorobenzene	**2000**		200	82	ug/L			03/22/20 22:44	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			03/22/20 22:44	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			03/22/20 22:44	200
1,2-Dibromoethane	ND		200	150	ug/L			03/22/20 22:44	200
1,2-Dichlorobenzene	**3500**		200	160	ug/L			03/22/20 22:44	200
1,2-Dichloroethane	ND		200	42	ug/L			03/22/20 22:44	200
1,2-Dichloropropane	ND		200	140	ug/L			03/22/20 22:44	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			03/22/20 22:44	200
1,3-Dichlorobenzene	**1000**		200	160	ug/L			03/22/20 22:44	200
1,3-Dichloropropane	ND		200	150	ug/L			03/22/20 22:44	200
1,4-Dichlorobenzene	**3000**		200	170	ug/L			03/22/20 22:44	200

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

Job ID: 480-167610-1

Client Sample ID: OW-29B
Date Collected: 03/18/20 10:10
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-2
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			03/22/20 22:44	200
2-Butanone (MEK)	ND		2000	260	ug/L			03/22/20 22:44	200
2-Chloroethyl vinyl ether	ND	*	1000	190	ug/L			03/22/20 22:44	200
2-Hexanone	ND		1000	250	ug/L			03/22/20 22:44	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			03/22/20 22:44	200
Acetone	ND		2000	600	ug/L			03/22/20 22:44	200
Benzene	**830**		200	82	ug/L			03/22/20 22:44	200
Bromobenzene	ND		200	160	ug/L			03/22/20 22:44	200
Bromochloromethane	ND		200	170	ug/L			03/22/20 22:44	200
Bromodichloromethane	ND		200	78	ug/L			03/22/20 22:44	200
Bromoform	ND		200	52	ug/L			03/22/20 22:44	200
Bromomethane	ND		200	140	ug/L			03/22/20 22:44	200
Carbon disulfide	ND		200	38	ug/L			03/22/20 22:44	200
Carbon tetrachloride	ND		200	54	ug/L			03/22/20 22:44	200
Chlorobenzene	**4600**		200	150	ug/L			03/22/20 22:44	200
Chlorodibromomethane	ND		200	64	ug/L			03/22/20 22:44	200
Chloroethane	ND		200	64	ug/L			03/22/20 22:44	200
Chloroform	ND		200	68	ug/L			03/22/20 22:44	200
Chloromethane	ND		200	70	ug/L			03/22/20 22:44	200
cis-1,2-Dichloroethene	**9700**		200	160	ug/L			03/22/20 22:44	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			03/22/20 22:44	200
Dichlorodifluoromethane	ND		200	140	ug/L			03/22/20 22:44	200
Ethylbenzene	ND		200	150	ug/L			03/22/20 22:44	200
Hexachlorobutadiene	ND		400	56	ug/L			03/22/20 22:44	200
Isopropylbenzene	ND		200	160	ug/L			03/22/20 22:44	200
Methyl tert-butyl ether	ND		200	32	ug/L			03/22/20 22:44	200
Methylene Chloride	ND		200	88	ug/L			03/22/20 22:44	200
m-Xylene & p-Xylene	ND		400	130	ug/L			03/22/20 22:44	200
Naphthalene	ND		200	86	ug/L			03/22/20 22:44	200
n-Butylbenzene	ND		200	130	ug/L			03/22/20 22:44	200
N-Propylbenzene	ND		200	140	ug/L			03/22/20 22:44	200
o-Chlorotoluene	ND		200	170	ug/L			03/22/20 22:44	200
o-Xylene	ND		200	150	ug/L			03/22/20 22:44	200
p-Chlorotoluene	ND		200	170	ug/L			03/22/20 22:44	200
p-Cymene	ND		200	62	ug/L			03/22/20 22:44	200
sec-Butylbenzene	ND		200	150	ug/L			03/22/20 22:44	200
Styrene	ND		200	150	ug/L			03/22/20 22:44	200
tert-Butylbenzene	ND		200	160	ug/L			03/22/20 22:44	200
Tetrachloroethene	**1800**		200	72	ug/L			03/22/20 22:44	200
Toluene	ND		200	100	ug/L			03/22/20 22:44	200
trans-1,2-Dichloroethene	**250**		200	180	ug/L			03/22/20 22:44	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			03/22/20 22:44	200
Trichloroethene	**2300**		200	92	ug/L			03/22/20 22:44	200
Trichlorofluoromethane	ND		200	180	ug/L			03/22/20 22:44	200
Vinyl acetate	ND		1000	170	ug/L			03/22/20 22:44	200
Vinyl chloride	**2000**		200	180	ug/L			03/22/20 22:44	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*03/22/20 22:44*	*200*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*03/22/20 22:44*	*200*

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

Job ID: 480-167610-1

Client Sample ID: OW-29B

Date Collected: 03/18/20 10:10
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*03/22/20 22:44*	*200*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/22/20 22:44*	*200*

Client Sample ID: OW-15A

Date Collected: 03/18/20 10:30
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-3

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		10	3.5	ug/L			03/21/20 14:50	10
1,1,1-Trichloroethane	ND		10	8.2	ug/L			03/21/20 14:50	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			03/21/20 14:50	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			03/21/20 14:50	10
1,1-Dichloroethane	ND		10	3.8	ug/L			03/21/20 14:50	10
1,1-Dichloroethene	ND		10	2.9	ug/L			03/21/20 14:50	10
1,1-Dichloropropene	ND		10	7.2	ug/L			03/21/20 14:50	10
1,2,3-Trichlorobenzene	ND		10	4.1	ug/L			03/21/20 14:50	10
1,2,3-Trichloropropane	ND		10	8.9	ug/L			03/21/20 14:50	10
1,2,4-Trichlorobenzene	**190**		10	4.1	ug/L			03/21/20 14:50	10
1,2,4-Trimethylbenzene	ND		10	7.5	ug/L			03/21/20 14:50	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			03/21/20 14:50	10
1,2-Dibromoethane	ND		10	7.3	ug/L			03/21/20 14:50	10
1,2-Dichlorobenzene	**470**		10	7.9	ug/L			03/21/20 14:50	10
1,2-Dichloroethane	ND		10	2.1	ug/L			03/21/20 14:50	10
1,2-Dichloropropane	ND		10	7.2	ug/L			03/21/20 14:50	10
1,3,5-Trimethylbenzene	ND		10	7.7	ug/L			03/21/20 14:50	10
1,3-Dichlorobenzene	**100**		10	7.8	ug/L			03/21/20 14:50	10
1,3-Dichloropropane	ND		10	7.5	ug/L			03/21/20 14:50	10
1,4-Dichlorobenzene	**250**		10	8.4	ug/L			03/21/20 14:50	10
2,2-Dichloropropane	ND		10	4.0	ug/L			03/21/20 14:50	10
2-Butanone (MEK)	ND		100	13	ug/L			03/21/20 14:50	10
2-Chloroethyl vinyl ether	ND		50	9.6	ug/L			03/21/20 14:50	10
2-Hexanone	ND		50	12	ug/L			03/21/20 14:50	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			03/21/20 14:50	10
Acetone	ND		100	30	ug/L			03/21/20 14:50	10
Benzene	ND		10	4.1	ug/L			03/21/20 14:50	10
Bromobenzene	ND		10	8.0	ug/L			03/21/20 14:50	10
Bromochloromethane	ND		10	8.7	ug/L			03/21/20 14:50	10
Bromodichloromethane	ND		10	3.9	ug/L			03/21/20 14:50	10
Bromoform	ND		10	2.6	ug/L			03/21/20 14:50	10
Bromomethane	ND		10	6.9	ug/L			03/21/20 14:50	10
Carbon disulfide	ND		10	1.9	ug/L			03/21/20 14:50	10
Carbon tetrachloride	ND		10	2.7	ug/L			03/21/20 14:50	10
Chlorobenzene	**70**		10	7.5	ug/L			03/21/20 14:50	10
Chlorodibromomethane	ND		10	3.2	ug/L			03/21/20 14:50	10
Chloroethane	ND		10	3.2	ug/L			03/21/20 14:50	10
Chloroform	ND		10	3.4	ug/L			03/21/20 14:50	10
Chloromethane	ND		10	3.5	ug/L			03/21/20 14:50	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			03/21/20 14:50	10

Client Sample ID: OW-15A
Lab Sample ID: 480-167610-3

Date Collected: 03/18/20 10:30
Matrix: Water
Date Received: 03/19/20 15:58

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		10	3.6	ug/L			03/21/20 14:50	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			03/21/20 14:50	10
Ethylbenzene	ND		10	7.4	ug/L			03/21/20 14:50	10
Hexachlorobutadiene	ND		20	2.8	ug/L			03/21/20 14:50	10
Isopropylbenzene	ND		10	7.9	ug/L			03/21/20 14:50	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			03/21/20 14:50	10
Methylene Chloride	ND		10	4.4	ug/L			03/21/20 14:50	10
m-Xylene & p-Xylene	ND		20	6.6	ug/L			03/21/20 14:50	10
Naphthalene	ND		10	4.3	ug/L			03/21/20 14:50	10
n-Butylbenzene	ND		10	6.4	ug/L			03/21/20 14:50	10
N-Propylbenzene	ND		10	6.9	ug/L			03/21/20 14:50	10
o-Chlorotoluene	ND		10	8.6	ug/L			03/21/20 14:50	10
o-Xylene	ND		10	7.6	ug/L			03/21/20 14:50	10
p-Chlorotoluene	ND		10	8.4	ug/L			03/21/20 14:50	10
p-Cymene	ND		10	3.1	ug/L			03/21/20 14:50	10
sec-Butylbenzene	ND		10	7.5	ug/L			03/21/20 14:50	10
Styrene	ND		10	7.3	ug/L			03/21/20 14:50	10
tert-Butylbenzene	ND		10	8.1	ug/L			03/21/20 14:50	10
Tetrachloroethene	ND		10	3.6	ug/L			03/21/20 14:50	10
Toluene	ND		10	5.1	ug/L			03/21/20 14:50	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			03/21/20 14:50	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			03/21/20 14:50	10
Trichloroethene	ND		10	4.6	ug/L			03/21/20 14:50	10
Trichlorofluoromethane	ND		10	8.8	ug/L			03/21/20 14:50	10
Vinyl acetate	ND		50	8.5	ug/L			03/21/20 14:50	10
Vinyl chloride	ND		10	9.0	ug/L			03/21/20 14:50	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*03/21/20 14:50*	*10*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*03/21/20 14:50*	*10*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*03/21/20 14:50*	*10*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/21/20 14:50*	*10*

Client Sample ID: OW-28B
Lab Sample ID: 480-167610-4

Date Collected: 03/18/20 10:40
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 15:13	50
1,1,1-Trichloroethane	ND		50	41	ug/L			03/21/20 15:13	50
1,1,2,2-Tetrachloroethane	**240**		50	11	ug/L			03/21/20 15:13	50
1,1,2-Trichloroethane	ND		50	12	ug/L			03/21/20 15:13	50
1,1-Dichloroethane	ND		50	19	ug/L			03/21/20 15:13	50
1,1-Dichloroethene	ND		50	15	ug/L			03/21/20 15:13	50
1,1-Dichloropropene	ND		50	36	ug/L			03/21/20 15:13	50
1,2,3-Trichlorobenzene	ND		50	21	ug/L			03/21/20 15:13	50
1,2,3-Trichloropropane	ND		50	45	ug/L			03/21/20 15:13	50
1,2,4-Trichlorobenzene	**68**		50	21	ug/L			03/21/20 15:13	50
1,2,4-Trimethylbenzene	ND		50	38	ug/L			03/21/20 15:13	50

Client Sample ID: OW-28B
Lab Sample ID: 480-167610-4
Date Collected: 03/18/20 10:40
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 15:13	50
1,2-Dibromoethane	ND		50	37	ug/L			03/21/20 15:13	50
1,2-Dichlorobenzene	**49**	**J**	50	40	ug/L			03/21/20 15:13	50
1,2-Dichloroethane	ND		50	11	ug/L			03/21/20 15:13	50
1,2-Dichloropropane	ND		50	36	ug/L			03/21/20 15:13	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			03/21/20 15:13	50
1,3-Dichlorobenzene	**39**	**J**	50	39	ug/L			03/21/20 15:13	50
1,3-Dichloropropane	ND		50	38	ug/L			03/21/20 15:13	50
1,4-Dichlorobenzene	**62**		50	42	ug/L			03/21/20 15:13	50
2,2-Dichloropropane	ND		50	20	ug/L			03/21/20 15:13	50
2-Butanone (MEK)	ND		500	66	ug/L			03/21/20 15:13	50
2-Chloroethyl vinyl ether	ND		250	48	ug/L			03/21/20 15:13	50
2-Hexanone	ND		250	62	ug/L			03/21/20 15:13	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			03/21/20 15:13	50
Acetone	ND		500	150	ug/L			03/21/20 15:13	50
Benzene	ND		50	21	ug/L			03/21/20 15:13	50
Bromobenzene	ND		50	40	ug/L			03/21/20 15:13	50
Bromochloromethane	ND		50	44	ug/L			03/21/20 15:13	50
Bromodichloromethane	ND		50	20	ug/L			03/21/20 15:13	50
Bromoform	ND		50	13	ug/L			03/21/20 15:13	50
Bromomethane	ND		50	35	ug/L			03/21/20 15:13	50
Carbon disulfide	ND		50	9.5	ug/L			03/21/20 15:13	50
Carbon tetrachloride	ND		50	14	ug/L			03/21/20 15:13	50
Chlorobenzene	**54**		50	38	ug/L			03/21/20 15:13	50
Chlorodibromomethane	ND		50	16	ug/L			03/21/20 15:13	50
Chloroethane	ND		50	16	ug/L			03/21/20 15:13	50
Chloroform	**63**		50	17	ug/L			03/21/20 15:13	50
Chloromethane	ND		50	18	ug/L			03/21/20 15:13	50
cis-1,2-Dichloroethene	**1900**		50	41	ug/L			03/21/20 15:13	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			03/21/20 15:13	50
Dichlorodifluoromethane	ND		50	34	ug/L			03/21/20 15:13	50
Ethylbenzene	ND		50	37	ug/L			03/21/20 15:13	50
Hexachlorobutadiene	ND		100	14	ug/L			03/21/20 15:13	50
Isopropylbenzene	ND		50	40	ug/L			03/21/20 15:13	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			03/21/20 15:13	50
Methylene Chloride	ND		50	22	ug/L			03/21/20 15:13	50
m-Xylene & p-Xylene	ND		100	33	ug/L			03/21/20 15:13	50
Naphthalene	ND		50	22	ug/L			03/21/20 15:13	50
n-Butylbenzene	ND		50	32	ug/L			03/21/20 15:13	50
N-Propylbenzene	ND		50	35	ug/L			03/21/20 15:13	50
o-Chlorotoluene	ND		50	43	ug/L			03/21/20 15:13	50
o-Xylene	ND		50	38	ug/L			03/21/20 15:13	50
p-Chlorotoluene	ND		50	42	ug/L			03/21/20 15:13	50
p-Cymene	ND		50	16	ug/L			03/21/20 15:13	50
sec-Butylbenzene	ND		50	38	ug/L			03/21/20 15:13	50
Styrene	ND		50	37	ug/L			03/21/20 15:13	50
tert-Butylbenzene	ND		50	41	ug/L			03/21/20 15:13	50
Tetrachloroethene	**1300**		50	18	ug/L			03/21/20 15:13	50
Toluene	ND		50	26	ug/L			03/21/20 15:13	50

Client Sample ID: OW-28B
Lab Sample ID: 480-167610-4

Date Collected: 03/18/20 10:40
Matrix: Water
Date Received: 03/19/20 15:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	**47**	**J**	50	45	ug/L			03/21/20 15:13	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			03/21/20 15:13	50
Trichloroethene	**2700**		50	23	ug/L			03/21/20 15:13	50
Trichlorofluoromethane	ND		50	44	ug/L			03/21/20 15:13	50
Vinyl acetate	ND		250	43	ug/L			03/21/20 15:13	50
Vinyl chloride	**55**		50	45	ug/L			03/21/20 15:13	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*03/21/20 15:13*	*50*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*03/21/20 15:13*	*50*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*03/21/20 15:13*	*50*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/21/20 15:13*	*50*

Client Sample ID: MW-4B
Lab Sample ID: 480-167610-5

Date Collected: 03/18/20 10:55
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 15:37	200
1,1,1-Trichloroethane	ND		200	160	ug/L			03/21/20 15:37	200
1,1,2,2-Tetrachloroethane	**510**		200	42	ug/L			03/21/20 15:37	200
1,1,2-Trichloroethane	ND		200	46	ug/L			03/21/20 15:37	200
1,1-Dichloroethane	ND		200	76	ug/L			03/21/20 15:37	200
1,1-Dichloroethene	ND		200	58	ug/L			03/21/20 15:37	200
1,1-Dichloropropene	ND		200	140	ug/L			03/21/20 15:37	200
1,2,3-Trichlorobenzene	ND		200	82	ug/L			03/21/20 15:37	200
1,2,3-Trichloropropane	ND		200	180	ug/L			03/21/20 15:37	200
1,2,4-Trichlorobenzene	**250**		200	82	ug/L			03/21/20 15:37	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			03/21/20 15:37	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			03/21/20 15:37	200
1,2-Dibromoethane	ND		200	150	ug/L			03/21/20 15:37	200
1,2-Dichlorobenzene	**720**		200	160	ug/L			03/21/20 15:37	200
1,2-Dichloroethane	ND		200	42	ug/L			03/21/20 15:37	200
1,2-Dichloropropane	ND		200	140	ug/L			03/21/20 15:37	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			03/21/20 15:37	200
1,3-Dichlorobenzene	**320**		200	160	ug/L			03/21/20 15:37	200
1,3-Dichloropropane	ND		200	150	ug/L			03/21/20 15:37	200
1,4-Dichlorobenzene	**580**		200	170	ug/L			03/21/20 15:37	200
2,2-Dichloropropane	ND		200	80	ug/L			03/21/20 15:37	200
2-Butanone (MEK)	ND		2000	260	ug/L			03/21/20 15:37	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			03/21/20 15:37	200
2-Hexanone	ND		1000	250	ug/L			03/21/20 15:37	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			03/21/20 15:37	200
Acetone	ND		2000	600	ug/L			03/21/20 15:37	200
Benzene	ND		200	82	ug/L			03/21/20 15:37	200
Bromobenzene	ND		200	160	ug/L			03/21/20 15:37	200
Bromochloromethane	ND		200	170	ug/L			03/21/20 15:37	200
Bromodichloromethane	ND		200	78	ug/L			03/21/20 15:37	200
Bromoform	ND		200	52	ug/L			03/21/20 15:37	200

Client Sample ID: MW-4B
Lab Sample ID: 480-167610-5

Date Collected: 03/18/20 10:55
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 15:37	200
Carbon disulfide	ND		200	38	ug/L			03/21/20 15:37	200
Carbon tetrachloride	ND		200	54	ug/L			03/21/20 15:37	200
Chlorobenzene	**190**	**J**	200	150	ug/L			03/21/20 15:37	200
Chlorodibromomethane	ND		200	64	ug/L			03/21/20 15:37	200
Chloroethane	ND		200	64	ug/L			03/21/20 15:37	200
Chloroform	**280**		200	68	ug/L			03/21/20 15:37	200
Chloromethane	ND		200	70	ug/L			03/21/20 15:37	200
cis-1,2-Dichloroethene	**1800**		200	160	ug/L			03/21/20 15:37	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			03/21/20 15:37	200
Dichlorodifluoromethane	ND		200	140	ug/L			03/21/20 15:37	200
Ethylbenzene	ND		200	150	ug/L			03/21/20 15:37	200
Hexachlorobutadiene	ND		400	56	ug/L			03/21/20 15:37	200
Isopropylbenzene	ND		200	160	ug/L			03/21/20 15:37	200
Methyl tert-butyl ether	ND		200	32	ug/L			03/21/20 15:37	200
Methylene Chloride	ND		200	88	ug/L			03/21/20 15:37	200
m-Xylene & p-Xylene	ND		400	130	ug/L			03/21/20 15:37	200
Naphthalene	ND		200	86	ug/L			03/21/20 15:37	200
n-Butylbenzene	ND		200	130	ug/L			03/21/20 15:37	200
N-Propylbenzene	ND		200	140	ug/L			03/21/20 15:37	200
o-Chlorotoluene	ND		200	170	ug/L			03/21/20 15:37	200
o-Xylene	ND		200	150	ug/L			03/21/20 15:37	200
p-Chlorotoluene	ND		200	170	ug/L			03/21/20 15:37	200
p-Cymene	ND		200	62	ug/L			03/21/20 15:37	200
sec-Butylbenzene	ND		200	150	ug/L			03/21/20 15:37	200
Styrene	ND		200	150	ug/L			03/21/20 15:37	200
tert-Butylbenzene	ND		200	160	ug/L			03/21/20 15:37	200
Tetrachloroethene	**1800**		200	72	ug/L			03/21/20 15:37	200
Toluene	ND		200	100	ug/L			03/21/20 15:37	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			03/21/20 15:37	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			03/21/20 15:37	200
Trichloroethene	**6000**		200	92	ug/L			03/21/20 15:37	200
Trichlorofluoromethane	ND		200	180	ug/L			03/21/20 15:37	200
Vinyl acetate	ND		1000	170	ug/L			03/21/20 15:37	200
Vinyl chloride	ND		200	180	ug/L			03/21/20 15:37	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*03/21/20 15:37*	*200*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*03/21/20 15:37*	*200*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*03/21/20 15:37*	*200*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/21/20 15:37*	*200*

Client Sample ID: MW-4C
Lab Sample ID: 480-167610-6

Date Collected: 03/18/20 11:30
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 16:00	400
1,1,1-Trichloroethane	ND		400	330	ug/L			03/21/20 16:00	400

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

Job ID: 480-167610-1

Client Sample ID: MW-4C
Date Collected: 03/18/20 11:30
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-6
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	**290**	**J**	400	84	ug/L			03/21/20 16:00	400
1,1,2-Trichloroethane	ND		400	92	ug/L			03/21/20 16:00	400
1,1-Dichloroethane	ND		400	150	ug/L			03/21/20 16:00	400
1,1-Dichloroethene	ND		400	120	ug/L			03/21/20 16:00	400
1,1-Dichloropropene	ND		400	290	ug/L			03/21/20 16:00	400
1,2,3-Trichlorobenzene	ND		400	160	ug/L			03/21/20 16:00	400
1,2,3-Trichloropropane	ND		400	360	ug/L			03/21/20 16:00	400
1,2,4-Trichlorobenzene	**500**		400	160	ug/L			03/21/20 16:00	400
1,2,4-Trimethylbenzene	ND		400	300	ug/L			03/21/20 16:00	400
1,2-Dibromo-3-Chloropropane	ND		400	160	ug/L			03/21/20 16:00	400
1,2-Dibromoethane	ND		400	290	ug/L			03/21/20 16:00	400
1,2-Dichlorobenzene	**1600**		400	320	ug/L			03/21/20 16:00	400
1,2-Dichloroethane	ND		400	84	ug/L			03/21/20 16:00	400
1,2-Dichloropropane	ND		400	290	ug/L			03/21/20 16:00	400
1,3,5-Trimethylbenzene	ND		400	310	ug/L			03/21/20 16:00	400
1,3-Dichlorobenzene	ND		400	310	ug/L			03/21/20 16:00	400
1,3-Dichloropropane	ND		400	300	ug/L			03/21/20 16:00	400
1,4-Dichlorobenzene	**1100**		400	340	ug/L			03/21/20 16:00	400
2,2-Dichloropropane	ND		400	160	ug/L			03/21/20 16:00	400
2-Butanone (MEK)	ND		4000	530	ug/L			03/21/20 16:00	400
2-Chloroethyl vinyl ether	ND		2000	380	ug/L			03/21/20 16:00	400
2-Hexanone	ND		2000	500	ug/L			03/21/20 16:00	400
4-Methyl-2-pentanone (MIBK)	ND		2000	840	ug/L			03/21/20 16:00	400
Acetone	ND		4000	1200	ug/L			03/21/20 16:00	400
Benzene	**3000**		400	160	ug/L			03/21/20 16:00	400
Bromobenzene	ND		400	320	ug/L			03/21/20 16:00	400
Bromochloromethane	ND		400	350	ug/L			03/21/20 16:00	400
Bromodichloromethane	ND		400	160	ug/L			03/21/20 16:00	400
Bromoform	ND		400	100	ug/L			03/21/20 16:00	400
Bromomethane	ND		400	280	ug/L			03/21/20 16:00	400
Carbon disulfide	ND		400	76	ug/L			03/21/20 16:00	400
Carbon tetrachloride	ND		400	110	ug/L			03/21/20 16:00	400
Chlorobenzene	**3900**		400	300	ug/L			03/21/20 16:00	400
Chlorodibromomethane	ND		400	130	ug/L			03/21/20 16:00	400
Chloroethane	ND		400	130	ug/L			03/21/20 16:00	400
Chloroform	ND		400	140	ug/L			03/21/20 16:00	400
Chloromethane	ND		400	140	ug/L			03/21/20 16:00	400
cis-1,2-Dichloroethene	**19000**		400	320	ug/L			03/21/20 16:00	400
cis-1,3-Dichloropropene	ND		400	140	ug/L			03/21/20 16:00	400
Dichlorodifluoromethane	ND		400	270	ug/L			03/21/20 16:00	400
Ethylbenzene	ND		400	300	ug/L			03/21/20 16:00	400
Hexachlorobutadiene	ND		800	110	ug/L			03/21/20 16:00	400
Isopropylbenzene	ND		400	320	ug/L			03/21/20 16:00	400
Methyl tert-butyl ether	ND		400	64	ug/L			03/21/20 16:00	400
Methylene Chloride	ND		400	180	ug/L			03/21/20 16:00	400
m-Xylene & p-Xylene	ND		800	260	ug/L			03/21/20 16:00	400
Naphthalene	ND		400	170	ug/L			03/21/20 16:00	400
n-Butylbenzene	ND		400	260	ug/L			03/21/20 16:00	400
N-Propylbenzene	ND		400	280	ug/L			03/21/20 16:00	400

Client Sample ID: MW-4C
Lab Sample ID: 480-167610-6

Date Collected: 03/18/20 11:30
Matrix: Water
Date Received: 03/19/20 15:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Chlorotoluene	ND		400	340	ug/L			03/21/20 16:00	400
o-Xylene	ND		400	300	ug/L			03/21/20 16:00	400
p-Chlorotoluene	ND		400	340	ug/L			03/21/20 16:00	400
p-Cymene	ND		400	120	ug/L			03/21/20 16:00	400
sec-Butylbenzene	ND		400	300	ug/L			03/21/20 16:00	400
Styrene	ND		400	290	ug/L			03/21/20 16:00	400
tert-Butylbenzene	ND		400	320	ug/L			03/21/20 16:00	400
Tetrachloroethene	**3600**		400	140	ug/L			03/21/20 16:00	400
Toluene	ND		400	200	ug/L			03/21/20 16:00	400
trans-1,2-Dichloroethene	ND		400	360	ug/L			03/21/20 16:00	400
trans-1,3-Dichloropropene	ND		400	150	ug/L			03/21/20 16:00	400
Trichloroethene	**3800**		400	180	ug/L			03/21/20 16:00	400
Trichlorofluoromethane	ND		400	350	ug/L			03/21/20 16:00	400
Vinyl acetate	ND		2000	340	ug/L			03/21/20 16:00	400
Vinyl chloride	**1200**		400	360	ug/L			03/21/20 16:00	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*03/21/20 16:00*	*400*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/21/20 16:00*	*400*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*03/21/20 16:00*	*400*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/21/20 16:00*	*400*

Client Sample ID: OW-5B
Lab Sample ID: 480-167610-7

Date Collected: 03/18/20 13:00
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 16:24	200
1,1,1-Trichloroethane	ND		200	160	ug/L			03/21/20 16:24	200
1,1,2,2-Tetrachloroethane	**290**		200	42	ug/L			03/21/20 16:24	200
1,1,2-Trichloroethane	ND		200	46	ug/L			03/21/20 16:24	200
1,1-Dichloroethane	ND		200	76	ug/L			03/21/20 16:24	200
1,1-Dichloroethene	ND		200	58	ug/L			03/21/20 16:24	200
1,1-Dichloropropene	ND		200	140	ug/L			03/21/20 16:24	200
1,2,3-Trichlorobenzene	ND		200	82	ug/L			03/21/20 16:24	200
1,2,3-Trichloropropane	ND		200	180	ug/L			03/21/20 16:24	200
1,2,4-Trichlorobenzene	**91**	**J**	200	82	ug/L			03/21/20 16:24	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			03/21/20 16:24	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			03/21/20 16:24	200
1,2-Dibromoethane	ND		200	150	ug/L			03/21/20 16:24	200
1,2-Dichlorobenzene	ND		200	160	ug/L			03/21/20 16:24	200
1,2-Dichloroethane	ND		200	42	ug/L			03/21/20 16:24	200
1,2-Dichloropropane	ND		200	140	ug/L			03/21/20 16:24	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			03/21/20 16:24	200
1,3-Dichlorobenzene	ND		200	160	ug/L			03/21/20 16:24	200
1,3-Dichloropropane	ND		200	150	ug/L			03/21/20 16:24	200
1,4-Dichlorobenzene	ND		200	170	ug/L			03/21/20 16:24	200
2,2-Dichloropropane	ND		200	80	ug/L			03/21/20 16:24	200
2-Butanone (MEK)	ND		2000	260	ug/L			03/21/20 16:24	200

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

Job ID: 480-167610-1

Client Sample ID: OW-5B
Date Collected: 03/18/20 13:00
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-7
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		1000	190	ug/L			03/21/20 16:24	200
2-Hexanone	ND		1000	250	ug/L			03/21/20 16:24	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			03/21/20 16:24	200
Acetone	ND		2000	600	ug/L			03/21/20 16:24	200
Benzene	ND		200	82	ug/L			03/21/20 16:24	200
Bromobenzene	ND		200	160	ug/L			03/21/20 16:24	200
Bromochloromethane	ND		200	170	ug/L			03/21/20 16:24	200
Bromodichloromethane	ND		200	78	ug/L			03/21/20 16:24	200
Bromoform	ND		200	52	ug/L			03/21/20 16:24	200
Bromomethane	ND		200	140	ug/L			03/21/20 16:24	200
Carbon disulfide	ND		200	38	ug/L			03/21/20 16:24	200
Carbon tetrachloride	ND		200	54	ug/L			03/21/20 16:24	200
Chlorobenzene	**190**	**J**	200	150	ug/L			03/21/20 16:24	200
Chlorodibromomethane	ND		200	64	ug/L			03/21/20 16:24	200
Chloroethane	ND		200	64	ug/L			03/21/20 16:24	200
Chloroform	ND		200	68	ug/L			03/21/20 16:24	200
Chloromethane	ND		200	70	ug/L			03/21/20 16:24	200
cis-1,2-Dichloroethene	**1500**		200	160	ug/L			03/21/20 16:24	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			03/21/20 16:24	200
Dichlorodifluoromethane	ND		200	140	ug/L			03/21/20 16:24	200
Ethylbenzene	ND		200	150	ug/L			03/21/20 16:24	200
Hexachlorobutadiene	ND		400	56	ug/L			03/21/20 16:24	200
Isopropylbenzene	ND		200	160	ug/L			03/21/20 16:24	200
Methyl tert-butyl ether	ND		200	32	ug/L			03/21/20 16:24	200
Methylene Chloride	ND		200	88	ug/L			03/21/20 16:24	200
m-Xylene & p-Xylene	ND		400	130	ug/L			03/21/20 16:24	200
Naphthalene	ND		200	86	ug/L			03/21/20 16:24	200
n-Butylbenzene	ND		200	130	ug/L			03/21/20 16:24	200
N-Propylbenzene	ND		200	140	ug/L			03/21/20 16:24	200
o-Chlorotoluene	ND		200	170	ug/L			03/21/20 16:24	200
o-Xylene	ND		200	150	ug/L			03/21/20 16:24	200
p-Chlorotoluene	ND		200	170	ug/L			03/21/20 16:24	200
p-Cymene	ND		200	62	ug/L			03/21/20 16:24	200
sec-Butylbenzene	ND		200	150	ug/L			03/21/20 16:24	200
Styrene	ND		200	150	ug/L			03/21/20 16:24	200
tert-Butylbenzene	ND		200	160	ug/L			03/21/20 16:24	200
Tetrachloroethene	**2000**		200	72	ug/L			03/21/20 16:24	200
Toluene	ND		200	100	ug/L			03/21/20 16:24	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			03/21/20 16:24	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			03/21/20 16:24	200
Trichloroethene	**4700**		200	92	ug/L			03/21/20 16:24	200
Trichlorofluoromethane	ND		200	180	ug/L			03/21/20 16:24	200
Vinyl acetate	ND		1000	170	ug/L			03/21/20 16:24	200
Vinyl chloride	ND		200	180	ug/L			03/21/20 16:24	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*03/21/20 16:24*	*200*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*03/21/20 16:24*	*200*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*03/21/20 16:24*	*200*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/21/20 16:24*	*200*

Client Sample ID: OW-105B
Date Collected: 03/18/20 14:00
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-8
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			03/21/20 16:47	100
1,1,1-Trichloroethane	ND		100	82	ug/L			03/21/20 16:47	100
1,1,2,2-Tetrachloroethane	**280**		100	21	ug/L			03/21/20 16:47	100
1,1,2-Trichloroethane	ND		100	23	ug/L			03/21/20 16:47	100
1,1-Dichloroethane	ND		100	38	ug/L			03/21/20 16:47	100
1,1-Dichloroethene	ND		100	29	ug/L			03/21/20 16:47	100
1,1-Dichloropropene	ND		100	72	ug/L			03/21/20 16:47	100
1,2,3-Trichlorobenzene	ND		100	41	ug/L			03/21/20 16:47	100
1,2,3-Trichloropropane	ND		100	89	ug/L			03/21/20 16:47	100
1,2,4-Trichlorobenzene	**89**	**J**	100	41	ug/L			03/21/20 16:47	100
1,2,4-Trimethylbenzene	ND		100	75	ug/L			03/21/20 16:47	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			03/21/20 16:47	100
1,2-Dibromoethane	ND		100	73	ug/L			03/21/20 16:47	100
1,2-Dichlorobenzene	**100**		100	79	ug/L			03/21/20 16:47	100
1,2-Dichloroethane	ND		100	21	ug/L			03/21/20 16:47	100
1,2-Dichloropropane	ND		100	72	ug/L			03/21/20 16:47	100
1,3,5-Trimethylbenzene	ND		100	77	ug/L			03/21/20 16:47	100
1,3-Dichlorobenzene	**100**		100	78	ug/L			03/21/20 16:47	100
1,3-Dichloropropane	ND		100	75	ug/L			03/21/20 16:47	100
1,4-Dichlorobenzene	**130**		100	84	ug/L			03/21/20 16:47	100
2,2-Dichloropropane	ND		100	40	ug/L			03/21/20 16:47	100
2-Butanone (MEK)	ND		1000	130	ug/L			03/21/20 16:47	100
2-Chloroethyl vinyl ether	ND		500	96	ug/L			03/21/20 16:47	100
2-Hexanone	ND		500	120	ug/L			03/21/20 16:47	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			03/21/20 16:47	100
Acetone	ND		1000	300	ug/L			03/21/20 16:47	100
Benzene	**52**	**J**	100	41	ug/L			03/21/20 16:47	100
Bromobenzene	ND		100	80	ug/L			03/21/20 16:47	100
Bromochloromethane	ND		100	87	ug/L			03/21/20 16:47	100
Bromodichloromethane	ND		100	39	ug/L			03/21/20 16:47	100
Bromoform	ND		100	26	ug/L			03/21/20 16:47	100
Bromomethane	ND		100	69	ug/L			03/21/20 16:47	100
Carbon disulfide	ND		100	19	ug/L			03/21/20 16:47	100
Carbon tetrachloride	ND		100	27	ug/L			03/21/20 16:47	100
Chlorobenzene	**170**		100	75	ug/L			03/21/20 16:47	100
Chlorodibromomethane	ND		100	32	ug/L			03/21/20 16:47	100
Chloroethane	ND		100	32	ug/L			03/21/20 16:47	100
Chloroform	ND		100	34	ug/L			03/21/20 16:47	100
Chloromethane	ND		100	35	ug/L			03/21/20 16:47	100
cis-1,2-Dichloroethene	**1300**		100	81	ug/L			03/21/20 16:47	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			03/21/20 16:47	100
Dichlorodifluoromethane	ND		100	68	ug/L			03/21/20 16:47	100
Ethylbenzene	ND		100	74	ug/L			03/21/20 16:47	100
Hexachlorobutadiene	ND		200	28	ug/L			03/21/20 16:47	100
Isopropylbenzene	ND		100	79	ug/L			03/21/20 16:47	100
Methyl tert-butyl ether	ND		100	16	ug/L			03/21/20 16:47	100
Methylene Chloride	ND		100	44	ug/L			03/21/20 16:47	100
m-Xylene & p-Xylene	ND		200	66	ug/L			03/21/20 16:47	100
Naphthalene	ND		100	43	ug/L			03/21/20 16:47	100

Client Sample ID: OW-105B
Lab Sample ID: 480-167610-8
Date Collected: 03/18/20 14:00
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 16:47	100
N-Propylbenzene	ND		100	69	ug/L			03/21/20 16:47	100
o-Chlorotoluene	ND		100	86	ug/L			03/21/20 16:47	100
o-Xylene	ND		100	76	ug/L			03/21/20 16:47	100
p-Chlorotoluene	ND		100	84	ug/L			03/21/20 16:47	100
p-Cymene	ND		100	31	ug/L			03/21/20 16:47	100
sec-Butylbenzene	ND		100	75	ug/L			03/21/20 16:47	100
Styrene	ND		100	73	ug/L			03/21/20 16:47	100
tert-Butylbenzene	ND		100	81	ug/L			03/21/20 16:47	100
Tetrachloroethene	**1800**		100	36	ug/L			03/21/20 16:47	100
Toluene	ND		100	51	ug/L			03/21/20 16:47	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			03/21/20 16:47	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			03/21/20 16:47	100
Trichloroethene	**4100**		100	46	ug/L			03/21/20 16:47	100
Trichlorofluoromethane	ND		100	88	ug/L			03/21/20 16:47	100
Vinyl acetate	ND		500	85	ug/L			03/21/20 16:47	100
Vinyl chloride	**110**		100	90	ug/L			03/21/20 16:47	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*03/21/20 16:47*	*100*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*03/21/20 16:47*	*100*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*03/21/20 16:47*	*100*
Toluene-d8 (Surr)	*105*		*80 - 120*		*03/21/20 16:47*	*100*

Client Sample ID: OW-6B
Lab Sample ID: 480-167610-9
Date Collected: 03/18/20 11:55
Matrix: Water
Date Received: 03/19/20 15:58

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			03/22/20 23:07	50
1,1,1-Trichloroethane	ND		50	41	ug/L			03/22/20 23:07	50
1,1,2,2-Tetrachloroethane	**70**		50	11	ug/L			03/22/20 23:07	50
1,1,2-Trichloroethane	ND		50	12	ug/L			03/22/20 23:07	50
1,1-Dichloroethane	ND		50	19	ug/L			03/22/20 23:07	50
1,1-Dichloroethene	ND		50	15	ug/L			03/22/20 23:07	50
1,1-Dichloropropene	ND		50	36	ug/L			03/22/20 23:07	50
1,2,3-Trichlorobenzene	**30**	**J**	50	21	ug/L			03/22/20 23:07	50
1,2,3-Trichloropropane	ND		50	45	ug/L			03/22/20 23:07	50
1,2,4-Trichlorobenzene	**770**		50	21	ug/L			03/22/20 23:07	50
1,2,4-Trimethylbenzene	ND		50	38	ug/L			03/22/20 23:07	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			03/22/20 23:07	50
1,2-Dibromoethane	ND		50	37	ug/L			03/22/20 23:07	50
1,2-Dichlorobenzene	**490**		50	40	ug/L			03/22/20 23:07	50
1,2-Dichloroethane	ND		50	11	ug/L			03/22/20 23:07	50
1,2-Dichloropropane	ND		50	36	ug/L			03/22/20 23:07	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			03/22/20 23:07	50
1,3-Dichlorobenzene	**280**		50	39	ug/L			03/22/20 23:07	50
1,3-Dichloropropane	ND		50	38	ug/L			03/22/20 23:07	50
1,4-Dichlorobenzene	**550**		50	42	ug/L			03/22/20 23:07	50

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

Job ID: 480-167610-1

Client Sample ID: OW-6B
Date Collected: 03/18/20 11:55
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-9
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			03/22/20 23:07	50
2-Butanone (MEK)	ND		500	66	ug/L			03/22/20 23:07	50
2-Chloroethyl vinyl ether	ND	*	250	48	ug/L			03/22/20 23:07	50
2-Hexanone	ND		250	62	ug/L			03/22/20 23:07	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			03/22/20 23:07	50
Acetone	ND		500	150	ug/L			03/22/20 23:07	50
Benzene	**73**		50	21	ug/L			03/22/20 23:07	50
Bromobenzene	ND		50	40	ug/L			03/22/20 23:07	50
Bromochloromethane	ND		50	44	ug/L			03/22/20 23:07	50
Bromodichloromethane	ND		50	20	ug/L			03/22/20 23:07	50
Bromoform	ND		50	13	ug/L			03/22/20 23:07	50
Bromomethane	ND		50	35	ug/L			03/22/20 23:07	50
Carbon disulfide	ND		50	9.5	ug/L			03/22/20 23:07	50
Carbon tetrachloride	ND		50	14	ug/L			03/22/20 23:07	50
Chlorobenzene	**510**		50	38	ug/L			03/22/20 23:07	50
Chlorodibromomethane	ND		50	16	ug/L			03/22/20 23:07	50
Chloroethane	ND		50	16	ug/L			03/22/20 23:07	50
Chloroform	ND		50	17	ug/L			03/22/20 23:07	50
Chloromethane	ND		50	18	ug/L			03/22/20 23:07	50
cis-1,2-Dichloroethene	**3000**		50	41	ug/L			03/22/20 23:07	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			03/22/20 23:07	50
Dichlorodifluoromethane	ND		50	34	ug/L			03/22/20 23:07	50
Ethylbenzene	ND		50	37	ug/L			03/22/20 23:07	50
Hexachlorobutadiene	ND		100	14	ug/L			03/22/20 23:07	50
Isopropylbenzene	ND		50	40	ug/L			03/22/20 23:07	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			03/22/20 23:07	50
Methylene Chloride	ND		50	22	ug/L			03/22/20 23:07	50
m-Xylene & p-Xylene	ND		100	33	ug/L			03/22/20 23:07	50
Naphthalene	ND		50	22	ug/L			03/22/20 23:07	50
n-Butylbenzene	ND		50	32	ug/L			03/22/20 23:07	50
N-Propylbenzene	ND		50	35	ug/L			03/22/20 23:07	50
o-Chlorotoluene	ND		50	43	ug/L			03/22/20 23:07	50
o-Xylene	ND		50	38	ug/L			03/22/20 23:07	50
p-Chlorotoluene	ND		50	42	ug/L			03/22/20 23:07	50
p-Cymene	ND		50	16	ug/L			03/22/20 23:07	50
sec-Butylbenzene	ND		50	38	ug/L			03/22/20 23:07	50
Styrene	ND		50	37	ug/L			03/22/20 23:07	50
tert-Butylbenzene	ND		50	41	ug/L			03/22/20 23:07	50
Tetrachloroethene	**570**		50	18	ug/L			03/22/20 23:07	50
Toluene	ND		50	26	ug/L			03/22/20 23:07	50
trans-1,2-Dichloroethene	**77**		50	45	ug/L			03/22/20 23:07	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			03/22/20 23:07	50
Trichloroethene	**1000**		50	23	ug/L			03/22/20 23:07	50
Trichlorofluoromethane	ND		50	44	ug/L			03/22/20 23:07	50
Vinyl acetate	ND		250	43	ug/L			03/22/20 23:07	50
Vinyl chloride	**420**		50	45	ug/L			03/22/20 23:07	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*03/22/20 23:07*	*50*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/22/20 23:07*	*50*

Client Sample ID: OW-6B
Lab Sample ID: 480-167610-9
Date Collected: 03/18/20 11:55
Matrix: Water
Date Received: 03/19/20 15:58

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*03/22/20 23:07*	*50*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/22/20 23:07*	*50*

Client Sample ID: OW-7B
Lab Sample ID: 480-167610-10
Date Collected: 03/18/20 12:10
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 17:33	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/20 17:33	1
1,1,2,2-Tetrachloroethane	**13**		1.0	0.21	ug/L			03/21/20 17:33	1
1,1,2-Trichloroethane	**0.57**	**J**	1.0	0.23	ug/L			03/21/20 17:33	1
1,1-Dichloroethane	**1.6**		1.0	0.38	ug/L			03/21/20 17:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/20 17:33	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/21/20 17:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/20 17:33	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/21/20 17:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/20 17:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/21/20 17:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/20 17:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/20 17:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/20 17:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/20 17:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/20 17:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/21/20 17:33	1
1,3-Dichlorobenzene	**1.6**		1.0	0.78	ug/L			03/21/20 17:33	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/21/20 17:33	1
1,4-Dichlorobenzene	**1.3**		1.0	0.84	ug/L			03/21/20 17:33	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/21/20 17:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/20 17:33	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			03/21/20 17:33	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/20 17:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/20 17:33	1
Acetone	ND		10	3.0	ug/L			03/21/20 17:33	1
Benzene	ND		1.0	0.41	ug/L			03/21/20 17:33	1
Bromobenzene	ND		1.0	0.80	ug/L			03/21/20 17:33	1
Bromochloromethane	ND		1.0	0.87	ug/L			03/21/20 17:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/20 17:33	1
Bromoform	ND		1.0	0.26	ug/L			03/21/20 17:33	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/20 17:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/20 17:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/20 17:33	1
Chlorobenzene	**6.0**		1.0	0.75	ug/L			03/21/20 17:33	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/21/20 17:33	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/20 17:33	1
Chloroform	**1.8**		1.0	0.34	ug/L			03/21/20 17:33	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/20 17:33	1
cis-1,2-Dichloroethene	**84**		1.0	0.81	ug/L			03/21/20 17:33	1

Client Sample ID: OW-7B
Lab Sample ID: 480-167610-10

Date Collected: 03/18/20 12:10
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 17:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/20 17:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/20 17:33	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			03/21/20 17:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/20 17:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/20 17:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/20 17:33	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			03/21/20 17:33	1
Naphthalene	ND		1.0	0.43	ug/L			03/21/20 17:33	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/21/20 17:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/21/20 17:33	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			03/21/20 17:33	1
o-Xylene	ND		1.0	0.76	ug/L			03/21/20 17:33	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			03/21/20 17:33	1
p-Cymene	ND		1.0	0.31	ug/L			03/21/20 17:33	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/21/20 17:33	1
Styrene	ND		1.0	0.73	ug/L			03/21/20 17:33	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/21/20 17:33	1
Tetrachloroethene	**37**		1.0	0.36	ug/L			03/21/20 17:33	1
Toluene	ND		1.0	0.51	ug/L			03/21/20 17:33	1
trans-1,2-Dichloroethene	**11**		1.0	0.90	ug/L			03/21/20 17:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/20 17:33	1
Trichloroethene	**96**		1.0	0.46	ug/L			03/21/20 17:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/20 17:33	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/21/20 17:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/20 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*03/21/20 17:33*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/21/20 17:33*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*03/21/20 17:33*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*03/21/20 17:33*	*1*

Client Sample ID: OW-8B
Lab Sample ID: 480-167610-11

Date Collected: 03/18/20 12:30
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 17:56	2
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			03/21/20 17:56	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/21/20 17:56	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/21/20 17:56	2
1,1-Dichloroethane	**1.3**	**J**	2.0	0.76	ug/L			03/21/20 17:56	2
1,1-Dichloroethene	**1.3**	**J**	2.0	0.58	ug/L			03/21/20 17:56	2
1,1-Dichloropropene	ND		2.0	1.4	ug/L			03/21/20 17:56	2
1,2,3-Trichlorobenzene	ND		2.0	0.82	ug/L			03/21/20 17:56	2
1,2,3-Trichloropropane	ND		2.0	1.8	ug/L			03/21/20 17:56	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			03/21/20 17:56	2
1,2,4-Trimethylbenzene	ND		2.0	1.5	ug/L			03/21/20 17:56	2

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

Job ID: 480-167610-1

Client Sample ID: OW-8B
Date Collected: 03/18/20 12:30
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-11
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		2.0	0.78	ug/L			03/21/20 17:56	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			03/21/20 17:56	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			03/21/20 17:56	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/21/20 17:56	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/21/20 17:56	2
1,3,5-Trimethylbenzene	ND		2.0	1.5	ug/L			03/21/20 17:56	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			03/21/20 17:56	2
1,3-Dichloropropane	ND		2.0	1.5	ug/L			03/21/20 17:56	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			03/21/20 17:56	2
2,2-Dichloropropane	ND		2.0	0.80	ug/L			03/21/20 17:56	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/21/20 17:56	2
2-Chloroethyl vinyl ether	ND		10	1.9	ug/L			03/21/20 17:56	2
2-Hexanone	ND		10	2.5	ug/L			03/21/20 17:56	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/21/20 17:56	2
Acetone	**26**		20	6.0	ug/L			03/21/20 17:56	2
Benzene	ND		2.0	0.82	ug/L			03/21/20 17:56	2
Bromobenzene	ND		2.0	1.6	ug/L			03/21/20 17:56	2
Bromochloromethane	ND		2.0	1.7	ug/L			03/21/20 17:56	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/21/20 17:56	2
Bromoform	ND		2.0	0.52	ug/L			03/21/20 17:56	2
Bromomethane	ND		2.0	1.4	ug/L			03/21/20 17:56	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/21/20 17:56	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/21/20 17:56	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/21/20 17:56	2
Chlorodibromomethane	ND		2.0	0.64	ug/L			03/21/20 17:56	2
Chloroethane	ND		2.0	0.64	ug/L			03/21/20 17:56	2
Chloroform	ND		2.0	0.68	ug/L			03/21/20 17:56	2
Chloromethane	ND		2.0	0.70	ug/L			03/21/20 17:56	2
cis-1,2-Dichloroethene	**50**		2.0	1.6	ug/L			03/21/20 17:56	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/21/20 17:56	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			03/21/20 17:56	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/21/20 17:56	2
Hexachlorobutadiene	ND		4.0	0.56	ug/L			03/21/20 17:56	2
Isopropylbenzene	ND		2.0	1.6	ug/L			03/21/20 17:56	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			03/21/20 17:56	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/21/20 17:56	2
m-Xylene & p-Xylene	ND		4.0	1.3	ug/L			03/21/20 17:56	2
Naphthalene	ND		2.0	0.86	ug/L			03/21/20 17:56	2
n-Butylbenzene	ND		2.0	1.3	ug/L			03/21/20 17:56	2
N-Propylbenzene	ND		2.0	1.4	ug/L			03/21/20 17:56	2
o-Chlorotoluene	ND		2.0	1.7	ug/L			03/21/20 17:56	2
o-Xylene	ND		2.0	1.5	ug/L			03/21/20 17:56	2
p-Chlorotoluene	ND		2.0	1.7	ug/L			03/21/20 17:56	2
p-Cymene	ND		2.0	0.62	ug/L			03/21/20 17:56	2
sec-Butylbenzene	ND		2.0	1.5	ug/L			03/21/20 17:56	2
Styrene	ND		2.0	1.5	ug/L			03/21/20 17:56	2
tert-Butylbenzene	ND		2.0	1.6	ug/L			03/21/20 17:56	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/21/20 17:56	2
Toluene	ND		2.0	1.0	ug/L			03/21/20 17:56	2

Client Sample ID: OW-8B
Lab Sample ID: 480-167610-11

Date Collected: 03/18/20 12:30
Matrix: Water
Date Received: 03/19/20 15:58

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		2.0	1.8	ug/L			03/21/20 17:56	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/21/20 17:56	2
Trichloroethene	**60**		2.0	0.92	ug/L			03/21/20 17:56	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			03/21/20 17:56	2
Vinyl acetate	ND		10	1.7	ug/L			03/21/20 17:56	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/21/20 17:56	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*03/21/20 17:56*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/21/20 17:56*	*2*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*03/21/20 17:56*	*2*
Toluene-d8 (Surr)	*105*		*80 - 120*		*03/21/20 17:56*	*2*

Client Sample ID: OW-26B
Lab Sample ID: 480-167610-12

Date Collected: 03/17/20 09:30
Matrix: Water
Date Received: 03/19/20 15:58

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			03/22/20 23:31	2
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			03/22/20 23:31	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/22/20 23:31	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/22/20 23:31	2
1,1-Dichloroethane	**1.2**	**J**	2.0	0.76	ug/L			03/22/20 23:31	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			03/22/20 23:31	2
1,1-Dichloropropene	ND		2.0	1.4	ug/L			03/22/20 23:31	2
1,2,3-Trichlorobenzene	ND		2.0	0.82	ug/L			03/22/20 23:31	2
1,2,3-Trichloropropane	ND		2.0	1.8	ug/L			03/22/20 23:31	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			03/22/20 23:31	2
1,2,4-Trimethylbenzene	ND		2.0	1.5	ug/L			03/22/20 23:31	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			03/22/20 23:31	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			03/22/20 23:31	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			03/22/20 23:31	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/22/20 23:31	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/22/20 23:31	2
1,3,5-Trimethylbenzene	ND		2.0	1.5	ug/L			03/22/20 23:31	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			03/22/20 23:31	2
1,3-Dichloropropane	ND		2.0	1.5	ug/L			03/22/20 23:31	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			03/22/20 23:31	2
2,2-Dichloropropane	ND		2.0	0.80	ug/L			03/22/20 23:31	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/22/20 23:31	2
2-Chloroethyl vinyl ether	ND	*	10	1.9	ug/L			03/22/20 23:31	2
2-Hexanone	ND		10	2.5	ug/L			03/22/20 23:31	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/22/20 23:31	2
Acetone	ND		20	6.0	ug/L			03/22/20 23:31	2
Benzene	ND		2.0	0.82	ug/L			03/22/20 23:31	2
Bromobenzene	ND		2.0	1.6	ug/L			03/22/20 23:31	2
Bromochloromethane	ND		2.0	1.7	ug/L			03/22/20 23:31	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/22/20 23:31	2
Bromoform	ND		2.0	0.52	ug/L			03/22/20 23:31	2

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

Job ID: 480-167610-1

Client Sample ID: OW-26B

Date Collected: 03/17/20 09:30
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		2.0	1.4	ug/L			03/22/20 23:31	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/22/20 23:31	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/22/20 23:31	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/22/20 23:31	2
Chlorodibromomethane	ND		2.0	0.64	ug/L			03/22/20 23:31	2
Chloroethane	ND		2.0	0.64	ug/L			03/22/20 23:31	2
Chloroform	ND		2.0	0.68	ug/L			03/22/20 23:31	2
Chloromethane	ND		2.0	0.70	ug/L			03/22/20 23:31	2
cis-1,2-Dichloroethene	**5.7**		2.0	1.6	ug/L			03/22/20 23:31	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/22/20 23:31	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			03/22/20 23:31	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/22/20 23:31	2
Hexachlorobutadiene	ND		4.0	0.56	ug/L			03/22/20 23:31	2
Isopropylbenzene	ND		2.0	1.6	ug/L			03/22/20 23:31	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			03/22/20 23:31	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/22/20 23:31	2
m-Xylene & p-Xylene	ND		4.0	1.3	ug/L			03/22/20 23:31	2
Naphthalene	ND		2.0	0.86	ug/L			03/22/20 23:31	2
n-Butylbenzene	ND		2.0	1.3	ug/L			03/22/20 23:31	2
N-Propylbenzene	ND		2.0	1.4	ug/L			03/22/20 23:31	2
o-Chlorotoluene	ND		2.0	1.7	ug/L			03/22/20 23:31	2
o-Xylene	ND		2.0	1.5	ug/L			03/22/20 23:31	2
p-Chlorotoluene	ND		2.0	1.7	ug/L			03/22/20 23:31	2
p-Cymene	ND		2.0	0.62	ug/L			03/22/20 23:31	2
sec-Butylbenzene	ND		2.0	1.5	ug/L			03/22/20 23:31	2
Styrene	ND		2.0	1.5	ug/L			03/22/20 23:31	2
tert-Butylbenzene	ND		2.0	1.6	ug/L			03/22/20 23:31	2
Tetrachloroethene	**110**		2.0	0.72	ug/L			03/22/20 23:31	2
Toluene	ND		2.0	1.0	ug/L			03/22/20 23:31	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			03/22/20 23:31	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/22/20 23:31	2
Trichloroethene	**8.3**		2.0	0.92	ug/L			03/22/20 23:31	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			03/22/20 23:31	2
Vinyl acetate	ND		10	1.7	ug/L			03/22/20 23:31	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/22/20 23:31	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*03/22/20 23:31*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/22/20 23:31*	*2*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*03/22/20 23:31*	*2*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/22/20 23:31*	*2*

Client Sample ID: OW-30B

Date Collected: 03/17/20 09:45
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-13

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			03/21/20 18:42	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/20 18:42	1

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

Job ID: 480-167610-1

Client Sample ID: OW-30B
Date Collected: 03/17/20 09:45
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-13
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			03/21/20 18:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/20 18:42	1
1,1-Dichloroethane	**4.1**		1.0	0.38	ug/L			03/21/20 18:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/20 18:42	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/21/20 18:42	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/20 18:42	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/21/20 18:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/20 18:42	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/21/20 18:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/20 18:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/20 18:42	1
1,2-Dichlorobenzene	**2.2**		1.0	0.79	ug/L			03/21/20 18:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/20 18:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/20 18:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/21/20 18:42	1
1,3-Dichlorobenzene	**2.8**		1.0	0.78	ug/L			03/21/20 18:42	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/21/20 18:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/20 18:42	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/21/20 18:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/20 18:42	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			03/21/20 18:42	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/20 18:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/20 18:42	1
Acetone	ND		10	3.0	ug/L			03/21/20 18:42	1
Benzene	**0.80**	**J**	1.0	0.41	ug/L			03/21/20 18:42	1
Bromobenzene	ND		1.0	0.80	ug/L			03/21/20 18:42	1
Bromochloromethane	ND		1.0	0.87	ug/L			03/21/20 18:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/20 18:42	1
Bromoform	ND		1.0	0.26	ug/L			03/21/20 18:42	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/20 18:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/20 18:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/20 18:42	1
Chlorobenzene	**2.4**		1.0	0.75	ug/L			03/21/20 18:42	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/21/20 18:42	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/20 18:42	1
Chloroform	ND		1.0	0.34	ug/L			03/21/20 18:42	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/20 18:42	1
cis-1,2-Dichloroethene	**13**		1.0	0.81	ug/L			03/21/20 18:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/20 18:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/20 18:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/20 18:42	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			03/21/20 18:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/20 18:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/20 18:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/20 18:42	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			03/21/20 18:42	1
Naphthalene	ND		1.0	0.43	ug/L			03/21/20 18:42	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/21/20 18:42	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/21/20 18:42	1

Client Sample ID: OW-30B
Lab Sample ID: 480-167610-13

Date Collected: 03/17/20 09:45
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 18:42	1
o-Xylene	ND		1.0	0.76	ug/L			03/21/20 18:42	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			03/21/20 18:42	1
p-Cymene	ND		1.0	0.31	ug/L			03/21/20 18:42	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/21/20 18:42	1
Styrene	ND		1.0	0.73	ug/L			03/21/20 18:42	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/21/20 18:42	1
Tetrachloroethene	**26**		1.0	0.36	ug/L			03/21/20 18:42	1
Toluene	ND		1.0	0.51	ug/L			03/21/20 18:42	1
trans-1,2-Dichloroethene	**3.6**		1.0	0.90	ug/L			03/21/20 18:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/20 18:42	1
Trichloroethene	**33**		1.0	0.46	ug/L			03/21/20 18:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/20 18:42	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/21/20 18:42	1
Vinyl chloride	**0.96**	**J**	1.0	0.90	ug/L			03/21/20 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*03/21/20 18:42*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*03/21/20 18:42*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*03/21/20 18:42*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/21/20 18:42*	*1*

Client Sample ID: MW-5A
Lab Sample ID: 480-167610-14

Date Collected: 03/17/20 10:00
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 19:05	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/20 19:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/20 19:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/20 19:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/20 19:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/20 19:05	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/21/20 19:05	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/20 19:05	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/21/20 19:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/20 19:05	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/21/20 19:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/20 19:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/20 19:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/20 19:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/20 19:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/20 19:05	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/21/20 19:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/20 19:05	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/21/20 19:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/20 19:05	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/21/20 19:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/20 19:05	1

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

Job ID: 480-167610-1

Client Sample ID: MW-5A
Date Collected: 03/17/20 10:00
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-14
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		5.0	0.96	ug/L			03/21/20 19:05	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/20 19:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/20 19:05	1
Acetone	ND		10	3.0	ug/L			03/21/20 19:05	1
Benzene	ND		1.0	0.41	ug/L			03/21/20 19:05	1
Bromobenzene	ND		1.0	0.80	ug/L			03/21/20 19:05	1
Bromochloromethane	ND		1.0	0.87	ug/L			03/21/20 19:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/20 19:05	1
Bromoform	ND		1.0	0.26	ug/L			03/21/20 19:05	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/20 19:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/20 19:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/20 19:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/20 19:05	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/21/20 19:05	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/20 19:05	1
Chloroform	ND		1.0	0.34	ug/L			03/21/20 19:05	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/20 19:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/20 19:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/20 19:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/20 19:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/20 19:05	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			03/21/20 19:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/20 19:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/20 19:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/20 19:05	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			03/21/20 19:05	1
Naphthalene	ND		1.0	0.43	ug/L			03/21/20 19:05	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/21/20 19:05	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/21/20 19:05	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			03/21/20 19:05	1
o-Xylene	ND		1.0	0.76	ug/L			03/21/20 19:05	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			03/21/20 19:05	1
p-Cymene	ND		1.0	0.31	ug/L			03/21/20 19:05	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/21/20 19:05	1
Styrene	ND		1.0	0.73	ug/L			03/21/20 19:05	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/21/20 19:05	1
Tetrachloroethene	**8.9**		1.0	0.36	ug/L			03/21/20 19:05	1
Toluene	ND		1.0	0.51	ug/L			03/21/20 19:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/20 19:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/20 19:05	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/20 19:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/20 19:05	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/21/20 19:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/20 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*03/21/20 19:05*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/21/20 19:05*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*03/21/20 19:05*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/21/20 19:05*	*1*

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

Job ID: 480-167610-1

Client Sample ID: MW-5C
Date Collected: 03/17/20 10:10
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-15
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		20	7.0	ug/L			03/22/20 23:54	20
1,1,1-Trichloroethane	ND		20	16	ug/L			03/22/20 23:54	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			03/22/20 23:54	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			03/22/20 23:54	20
1,1-Dichloroethane	ND		20	7.6	ug/L			03/22/20 23:54	20
1,1-Dichloroethene	ND		20	5.8	ug/L			03/22/20 23:54	20
1,1-Dichloropropene	ND		20	14	ug/L			03/22/20 23:54	20
1,2,3-Trichlorobenzene	ND		20	8.2	ug/L			03/22/20 23:54	20
1,2,3-Trichloropropane	ND		20	18	ug/L			03/22/20 23:54	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			03/22/20 23:54	20
1,2,4-Trimethylbenzene	ND		20	15	ug/L			03/22/20 23:54	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			03/22/20 23:54	20
1,2-Dibromoethane	ND		20	15	ug/L			03/22/20 23:54	20
1,2-Dichlorobenzene	**480**		20	16	ug/L			03/22/20 23:54	20
1,2-Dichloroethane	ND		20	4.2	ug/L			03/22/20 23:54	20
1,2-Dichloropropane	ND		20	14	ug/L			03/22/20 23:54	20
1,3,5-Trimethylbenzene	ND		20	15	ug/L			03/22/20 23:54	20
1,3-Dichlorobenzene	**650**		20	16	ug/L			03/22/20 23:54	20
1,3-Dichloropropane	ND		20	15	ug/L			03/22/20 23:54	20
1,4-Dichlorobenzene	**1200**		20	17	ug/L			03/22/20 23:54	20
2,2-Dichloropropane	ND		20	8.0	ug/L			03/22/20 23:54	20
2-Butanone (MEK)	ND		200	26	ug/L			03/22/20 23:54	20
2-Chloroethyl vinyl ether	ND	*	100	19	ug/L			03/22/20 23:54	20
2-Hexanone	ND		100	25	ug/L			03/22/20 23:54	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			03/22/20 23:54	20
Acetone	ND		200	60	ug/L			03/22/20 23:54	20
Benzene	**35**		20	8.2	ug/L			03/22/20 23:54	20
Bromobenzene	ND		20	16	ug/L			03/22/20 23:54	20
Bromochloromethane	ND		20	17	ug/L			03/22/20 23:54	20
Bromodichloromethane	ND		20	7.8	ug/L			03/22/20 23:54	20
Bromoform	ND		20	5.2	ug/L			03/22/20 23:54	20
Bromomethane	ND		20	14	ug/L			03/22/20 23:54	20
Carbon disulfide	ND		20	3.8	ug/L			03/22/20 23:54	20
Carbon tetrachloride	ND		20	5.4	ug/L			03/22/20 23:54	20
Chlorobenzene	**1200**		20	15	ug/L			03/22/20 23:54	20
Chlorodibromomethane	ND		20	6.4	ug/L			03/22/20 23:54	20
Chloroethane	ND		20	6.4	ug/L			03/22/20 23:54	20
Chloroform	ND		20	6.8	ug/L			03/22/20 23:54	20
Chloromethane	ND		20	7.0	ug/L			03/22/20 23:54	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			03/22/20 23:54	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			03/22/20 23:54	20
Dichlorodifluoromethane	ND		20	14	ug/L			03/22/20 23:54	20
Ethylbenzene	ND		20	15	ug/L			03/22/20 23:54	20
Hexachlorobutadiene	ND		40	5.6	ug/L			03/22/20 23:54	20
Isopropylbenzene	ND		20	16	ug/L			03/22/20 23:54	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			03/22/20 23:54	20
Methylene Chloride	ND		20	8.8	ug/L			03/22/20 23:54	20
m-Xylene & p-Xylene	ND		40	13	ug/L			03/22/20 23:54	20
Naphthalene	ND		20	8.6	ug/L			03/22/20 23:54	20

Client Sample ID: MW-5C
Lab Sample ID: 480-167610-15
Date Collected: 03/17/20 10:10
Matrix: Water
Date Received: 03/19/20 15:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		20	13	ug/L			03/22/20 23:54	20
N-Propylbenzene	ND		20	14	ug/L			03/22/20 23:54	20
o-Chlorotoluene	ND		20	17	ug/L			03/22/20 23:54	20
o-Xylene	ND		20	15	ug/L			03/22/20 23:54	20
p-Chlorotoluene	ND		20	17	ug/L			03/22/20 23:54	20
p-Cymene	ND		20	6.2	ug/L			03/22/20 23:54	20
sec-Butylbenzene	ND		20	15	ug/L			03/22/20 23:54	20
Styrene	ND		20	15	ug/L			03/22/20 23:54	20
tert-Butylbenzene	ND		20	16	ug/L			03/22/20 23:54	20
Tetrachloroethene	ND		20	7.2	ug/L			03/22/20 23:54	20
Toluene	ND		20	10	ug/L			03/22/20 23:54	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			03/22/20 23:54	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			03/22/20 23:54	20
Trichloroethene	ND		20	9.2	ug/L			03/22/20 23:54	20
Trichlorofluoromethane	ND		20	18	ug/L			03/22/20 23:54	20
Vinyl acetate	ND		100	17	ug/L			03/22/20 23:54	20
Vinyl chloride	ND		20	18	ug/L			03/22/20 23:54	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*03/22/20 23:54*	*20*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*03/22/20 23:54*	*20*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*03/22/20 23:54*	*20*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/22/20 23:54*	*20*

Client Sample ID: MW-5CD
Lab Sample ID: 480-167610-16
Date Collected: 03/17/20 10:20
Matrix: Water
Date Received: 03/19/20 15:58

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			03/23/20 00:17	10
1,1,1-Trichloroethane	ND		10	8.2	ug/L			03/23/20 00:17	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			03/23/20 00:17	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			03/23/20 00:17	10
1,1-Dichloroethane	ND		10	3.8	ug/L			03/23/20 00:17	10
1,1-Dichloroethene	ND		10	2.9	ug/L			03/23/20 00:17	10
1,1-Dichloropropene	ND		10	7.2	ug/L			03/23/20 00:17	10
1,2,3-Trichlorobenzene	ND		10	4.1	ug/L			03/23/20 00:17	10
1,2,3-Trichloropropane	ND		10	8.9	ug/L			03/23/20 00:17	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			03/23/20 00:17	10
1,2,4-Trimethylbenzene	ND		10	7.5	ug/L			03/23/20 00:17	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			03/23/20 00:17	10
1,2-Dibromoethane	ND		10	7.3	ug/L			03/23/20 00:17	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			03/23/20 00:17	10
1,2-Dichloroethane	ND		10	2.1	ug/L			03/23/20 00:17	10
1,2-Dichloropropane	ND		10	7.2	ug/L			03/23/20 00:17	10
1,3,5-Trimethylbenzene	ND		10	7.7	ug/L			03/23/20 00:17	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			03/23/20 00:17	10
1,3-Dichloropropane	ND		10	7.5	ug/L			03/23/20 00:17	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			03/23/20 00:17	10

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

Job ID: 480-167610-1

Client Sample ID: MW-5CD
Date Collected: 03/17/20 10:20
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-16
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		10	4.0	ug/L			03/23/20 00:17	10
2-Butanone (MEK)	ND		100	13	ug/L			03/23/20 00:17	10
2-Chloroethyl vinyl ether	ND	*	50	9.6	ug/L			03/23/20 00:17	10
2-Hexanone	ND		50	12	ug/L			03/23/20 00:17	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			03/23/20 00:17	10
Acetone	ND		100	30	ug/L			03/23/20 00:17	10
Benzene	**38**		10	4.1	ug/L			03/23/20 00:17	10
Bromobenzene	ND		10	8.0	ug/L			03/23/20 00:17	10
Bromochloromethane	ND		10	8.7	ug/L			03/23/20 00:17	10
Bromodichloromethane	ND		10	3.9	ug/L			03/23/20 00:17	10
Bromoform	ND		10	2.6	ug/L			03/23/20 00:17	10
Bromomethane	ND		10	6.9	ug/L			03/23/20 00:17	10
Carbon disulfide	ND		10	1.9	ug/L			03/23/20 00:17	10
Carbon tetrachloride	ND		10	2.7	ug/L			03/23/20 00:17	10
Chlorobenzene	ND		10	7.5	ug/L			03/23/20 00:17	10
Chlorodibromomethane	ND		10	3.2	ug/L			03/23/20 00:17	10
Chloroethane	ND		10	3.2	ug/L			03/23/20 00:17	10
Chloroform	ND		10	3.4	ug/L			03/23/20 00:17	10
Chloromethane	ND		10	3.5	ug/L			03/23/20 00:17	10
cis-1,2-Dichloroethene	**550**		10	8.1	ug/L			03/23/20 00:17	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			03/23/20 00:17	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			03/23/20 00:17	10
Ethylbenzene	ND		10	7.4	ug/L			03/23/20 00:17	10
Hexachlorobutadiene	ND		20	2.8	ug/L			03/23/20 00:17	10
Isopropylbenzene	ND		10	7.9	ug/L			03/23/20 00:17	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			03/23/20 00:17	10
Methylene Chloride	ND		10	4.4	ug/L			03/23/20 00:17	10
m-Xylene & p-Xylene	ND		20	6.6	ug/L			03/23/20 00:17	10
Naphthalene	ND		10	4.3	ug/L			03/23/20 00:17	10
n-Butylbenzene	ND		10	6.4	ug/L			03/23/20 00:17	10
N-Propylbenzene	ND		10	6.9	ug/L			03/23/20 00:17	10
o-Chlorotoluene	ND		10	8.6	ug/L			03/23/20 00:17	10
o-Xylene	ND		10	7.6	ug/L			03/23/20 00:17	10
p-Chlorotoluene	ND		10	8.4	ug/L			03/23/20 00:17	10
p-Cymene	ND		10	3.1	ug/L			03/23/20 00:17	10
sec-Butylbenzene	ND		10	7.5	ug/L			03/23/20 00:17	10
Styrene	ND		10	7.3	ug/L			03/23/20 00:17	10
tert-Butylbenzene	ND		10	8.1	ug/L			03/23/20 00:17	10
Tetrachloroethene	ND		10	3.6	ug/L			03/23/20 00:17	10
Toluene	ND		10	5.1	ug/L			03/23/20 00:17	10
trans-1,2-Dichloroethene	**45**		10	9.0	ug/L			03/23/20 00:17	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			03/23/20 00:17	10
Trichloroethene	ND		10	4.6	ug/L			03/23/20 00:17	10
Trichlorofluoromethane	ND		10	8.8	ug/L			03/23/20 00:17	10
Vinyl acetate	ND		50	8.5	ug/L			03/23/20 00:17	10
Vinyl chloride	**290**		10	9.0	ug/L			03/23/20 00:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*03/23/20 00:17*	*10*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/23/20 00:17*	*10*

Client Sample ID: MW-5CD
Lab Sample ID: 480-167610-16
Date Collected: 03/17/20 10:20
Matrix: Water
Date Received: 03/19/20 15:58

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*03/23/20 00:17*	*10*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/23/20 00:17*	*10*

Client Sample ID: OW-18A
Lab Sample ID: 480-167610-17
Date Collected: 03/18/20 13:45
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 18:00	200
1,1,1-Trichloroethane	ND		200	160	ug/L			03/21/20 18:00	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			03/21/20 18:00	200
1,1,2-Trichloroethane	ND		200	46	ug/L			03/21/20 18:00	200
1,1-Dichloroethane	ND		200	76	ug/L			03/21/20 18:00	200
1,1-Dichloroethene	ND		200	58	ug/L			03/21/20 18:00	200
1,1-Dichloropropene	ND		200	140	ug/L			03/21/20 18:00	200
1,2,3-Trichlorobenzene	ND		200	82	ug/L			03/21/20 18:00	200
1,2,3-Trichloropropane	ND		200	180	ug/L			03/21/20 18:00	200
1,2,4-Trichlorobenzene	**130**	**J**	200	82	ug/L			03/21/20 18:00	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			03/21/20 18:00	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			03/21/20 18:00	200
1,2-Dibromoethane	ND		200	150	ug/L			03/21/20 18:00	200
1,2-Dichlorobenzene	**5500**		200	160	ug/L			03/21/20 18:00	200
1,2-Dichloroethane	ND		200	42	ug/L			03/21/20 18:00	200
1,2-Dichloropropane	ND		200	140	ug/L			03/21/20 18:00	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			03/21/20 18:00	200
1,3-Dichlorobenzene	**1200**		200	160	ug/L			03/21/20 18:00	200
1,3-Dichloropropane	ND		200	150	ug/L			03/21/20 18:00	200
1,4-Dichlorobenzene	**9300**	**F1**	200	170	ug/L			03/21/20 18:00	200
2,2-Dichloropropane	ND		200	80	ug/L			03/21/20 18:00	200
2-Butanone (MEK)	ND		2000	260	ug/L			03/21/20 18:00	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			03/21/20 18:00	200
2-Hexanone	ND		1000	250	ug/L			03/21/20 18:00	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			03/21/20 18:00	200
Acetone	ND		2000	600	ug/L			03/21/20 18:00	200
Benzene	**270**		200	82	ug/L			03/21/20 18:00	200
Bromobenzene	ND		200	160	ug/L			03/21/20 18:00	200
Bromochloromethane	ND		200	170	ug/L			03/21/20 18:00	200
Bromodichloromethane	ND		200	78	ug/L			03/21/20 18:00	200
Bromoform	ND		200	52	ug/L			03/21/20 18:00	200
Bromomethane	ND		200	140	ug/L			03/21/20 18:00	200
Carbon disulfide	ND		200	38	ug/L			03/21/20 18:00	200
Carbon tetrachloride	ND		200	54	ug/L			03/21/20 18:00	200
Chlorobenzene	**5800**		200	150	ug/L			03/21/20 18:00	200
Chlorodibromomethane	ND		200	64	ug/L			03/21/20 18:00	200
Chloroethane	ND		200	64	ug/L			03/21/20 18:00	200
Chloroform	ND		200	68	ug/L			03/21/20 18:00	200
Chloromethane	ND		200	70	ug/L			03/21/20 18:00	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			03/21/20 18:00	200

Client Sample ID: OW-18A
Lab Sample ID: 480-167610-17

Date Collected: 03/18/20 13:45
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 18:00	200
Dichlorodifluoromethane	ND		200	140	ug/L			03/21/20 18:00	200
Ethylbenzene	ND		200	150	ug/L			03/21/20 18:00	200
Hexachlorobutadiene	ND		400	56	ug/L			03/21/20 18:00	200
Isopropylbenzene	ND		200	160	ug/L			03/21/20 18:00	200
Methyl tert-butyl ether	ND		200	32	ug/L			03/21/20 18:00	200
Methylene Chloride	ND		200	88	ug/L			03/21/20 18:00	200
m-Xylene & p-Xylene	ND		400	130	ug/L			03/21/20 18:00	200
Naphthalene	ND		200	86	ug/L			03/21/20 18:00	200
n-Butylbenzene	ND		200	130	ug/L			03/21/20 18:00	200
N-Propylbenzene	ND		200	140	ug/L			03/21/20 18:00	200
o-Chlorotoluene	ND		200	170	ug/L			03/21/20 18:00	200
o-Xylene	ND		200	150	ug/L			03/21/20 18:00	200
p-Chlorotoluene	ND		200	170	ug/L			03/21/20 18:00	200
p-Cymene	ND		200	62	ug/L			03/21/20 18:00	200
sec-Butylbenzene	ND		200	150	ug/L			03/21/20 18:00	200
Styrene	ND		200	150	ug/L			03/21/20 18:00	200
tert-Butylbenzene	ND		200	160	ug/L			03/21/20 18:00	200
Tetrachloroethene	ND		200	72	ug/L			03/21/20 18:00	200
Toluene	ND		200	100	ug/L			03/21/20 18:00	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			03/21/20 18:00	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			03/21/20 18:00	200
Trichloroethene	ND		200	92	ug/L			03/21/20 18:00	200
Trichlorofluoromethane	ND		200	180	ug/L			03/21/20 18:00	200
Vinyl acetate	ND		1000	170	ug/L			03/21/20 18:00	200
Vinyl chloride	ND		200	180	ug/L			03/21/20 18:00	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*03/21/20 18:00*	*200*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*03/21/20 18:00*	*200*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*03/21/20 18:00*	*200*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/21/20 18:00*	*200*

Client Sample ID: OW-12B
Lab Sample ID: 480-167610-18

Date Collected: 03/18/20 10:55
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 18:23	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/20 18:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/20 18:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/20 18:23	1
1,1-Dichloroethane	**2.0**		1.0	0.38	ug/L			03/21/20 18:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/20 18:23	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/21/20 18:23	1
1,2,3-Trichlorobenzene	**0.47**	**J**	1.0	0.41	ug/L			03/21/20 18:23	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/21/20 18:23	1
1,2,4-Trichlorobenzene	**3.0**		1.0	0.41	ug/L			03/21/20 18:23	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/21/20 18:23	1

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

Job ID: 480-167610-1

Client Sample ID: OW-12B
Date Collected: 03/18/20 10:55
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-18
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		1.0	0.39	ug/L			03/21/20 18:23	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/20 18:23	1
1,2-Dichlorobenzene	**290**	**E**	1.0	0.79	ug/L			03/21/20 18:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/20 18:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/20 18:23	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/21/20 18:23	1
1,3-Dichlorobenzene	**300**	**E**	1.0	0.78	ug/L			03/21/20 18:23	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/21/20 18:23	1
1,4-Dichlorobenzene	**590**	**E**	1.0	0.84	ug/L			03/21/20 18:23	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/21/20 18:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/20 18:23	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			03/21/20 18:23	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/20 18:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/20 18:23	1
Acetone	ND		10	3.0	ug/L			03/21/20 18:23	1
Benzene	**40**		1.0	0.41	ug/L			03/21/20 18:23	1
Bromobenzene	ND		1.0	0.80	ug/L			03/21/20 18:23	1
Bromochloromethane	ND		1.0	0.87	ug/L			03/21/20 18:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/20 18:23	1
Bromoform	ND		1.0	0.26	ug/L			03/21/20 18:23	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/20 18:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/20 18:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/20 18:23	1
Chlorobenzene	**780**	**E**	1.0	0.75	ug/L			03/21/20 18:23	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/21/20 18:23	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/20 18:23	1
Chloroform	ND		1.0	0.34	ug/L			03/21/20 18:23	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/20 18:23	1
cis-1,2-Dichloroethene	**53**		1.0	0.81	ug/L			03/21/20 18:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/20 18:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/20 18:23	1
Ethylbenzene	**0.82**	**J**	1.0	0.74	ug/L			03/21/20 18:23	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			03/21/20 18:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/20 18:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/20 18:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/20 18:23	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			03/21/20 18:23	1
Naphthalene	ND		1.0	0.43	ug/L			03/21/20 18:23	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/21/20 18:23	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/21/20 18:23	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			03/21/20 18:23	1
o-Xylene	ND		1.0	0.76	ug/L			03/21/20 18:23	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			03/21/20 18:23	1
p-Cymene	ND		1.0	0.31	ug/L			03/21/20 18:23	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/21/20 18:23	1
Styrene	ND		1.0	0.73	ug/L			03/21/20 18:23	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/21/20 18:23	1
Tetrachloroethene	**2.1**		1.0	0.36	ug/L			03/21/20 18:23	1
Toluene	ND		1.0	0.51	ug/L			03/21/20 18:23	1

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

Job ID: 480-167610-1

Client Sample ID: OW-12B
Date Collected: 03/18/20 10:55
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-18
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	**4.3**		1.0	0.90	ug/L			03/21/20 18:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/20 18:23	1
Trichloroethene	**2.6**		1.0	0.46	ug/L			03/21/20 18:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/20 18:23	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/21/20 18:23	1
Vinyl chloride	**14**		1.0	0.90	ug/L			03/21/20 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*03/21/20 18:23*	*1*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*03/21/20 18:23*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*03/21/20 18:23*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/21/20 18:23*	*1*

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		20	7.0	ug/L			03/22/20 10:40	20
1,1,1-Trichloroethane	ND		20	16	ug/L			03/22/20 10:40	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			03/22/20 10:40	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			03/22/20 10:40	20
1,1-Dichloroethane	ND		20	7.6	ug/L			03/22/20 10:40	20
1,1-Dichloroethene	ND		20	5.8	ug/L			03/22/20 10:40	20
1,1-Dichloropropene	ND		20	14	ug/L			03/22/20 10:40	20
1,2,3-Trichlorobenzene	ND		20	8.2	ug/L			03/22/20 10:40	20
1,2,3-Trichloropropane	ND		20	18	ug/L			03/22/20 10:40	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			03/22/20 10:40	20
1,2,4-Trimethylbenzene	ND		20	15	ug/L			03/22/20 10:40	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			03/22/20 10:40	20
1,2-Dibromoethane	ND		20	15	ug/L			03/22/20 10:40	20
1,2-Dichlorobenzene	**310**		20	16	ug/L			03/22/20 10:40	20
1,2-Dichloroethane	ND		20	4.2	ug/L			03/22/20 10:40	20
1,2-Dichloropropane	ND		20	14	ug/L			03/22/20 10:40	20
1,3,5-Trimethylbenzene	ND		20	15	ug/L			03/22/20 10:40	20
1,3-Dichlorobenzene	**320**		20	16	ug/L			03/22/20 10:40	20
1,3-Dichloropropane	ND		20	15	ug/L			03/22/20 10:40	20
1,4-Dichlorobenzene	**670**		20	17	ug/L			03/22/20 10:40	20
2,2-Dichloropropane	ND		20	8.0	ug/L			03/22/20 10:40	20
2-Butanone (MEK)	ND		200	26	ug/L			03/22/20 10:40	20
2-Chloroethyl vinyl ether	ND		100	19	ug/L			03/22/20 10:40	20
2-Hexanone	ND		100	25	ug/L			03/22/20 10:40	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			03/22/20 10:40	20
Acetone	ND		200	60	ug/L			03/22/20 10:40	20
Benzene	**43**		20	8.2	ug/L			03/22/20 10:40	20
Bromobenzene	ND		20	16	ug/L			03/22/20 10:40	20
Bromochloromethane	ND		20	17	ug/L			03/22/20 10:40	20
Bromodichloromethane	ND		20	7.8	ug/L			03/22/20 10:40	20
Bromoform	ND		20	5.2	ug/L			03/22/20 10:40	20
Bromomethane	ND		20	14	ug/L			03/22/20 10:40	20
Carbon disulfide	ND		20	3.8	ug/L			03/22/20 10:40	20
Carbon tetrachloride	ND		20	5.4	ug/L			03/22/20 10:40	20
Chlorobenzene	**1100**		20	15	ug/L			03/22/20 10:40	20

Client Sample ID: OW-12B
Lab Sample ID: 480-167610-18
Date Collected: 03/18/20 10:55
Matrix: Water
Date Received: 03/19/20 15:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		20	6.4	ug/L			03/22/20 10:40	20
Chloroethane	ND		20	6.4	ug/L			03/22/20 10:40	20
Chloroform	ND		20	6.8	ug/L			03/22/20 10:40	20
Chloromethane	ND		20	7.0	ug/L			03/22/20 10:40	20
cis-1,2-Dichloroethene	**57**		20	16	ug/L			03/22/20 10:40	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			03/22/20 10:40	20
Dichlorodifluoromethane	ND		20	14	ug/L			03/22/20 10:40	20
Ethylbenzene	ND		20	15	ug/L			03/22/20 10:40	20
Hexachlorobutadiene	ND		40	5.6	ug/L			03/22/20 10:40	20
Isopropylbenzene	ND		20	16	ug/L			03/22/20 10:40	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			03/22/20 10:40	20
Methylene Chloride	ND		20	8.8	ug/L			03/22/20 10:40	20
m-Xylene & p-Xylene	ND		40	13	ug/L			03/22/20 10:40	20
Naphthalene	ND		20	8.6	ug/L			03/22/20 10:40	20
n-Butylbenzene	ND		20	13	ug/L			03/22/20 10:40	20
N-Propylbenzene	ND		20	14	ug/L			03/22/20 10:40	20
o-Chlorotoluene	ND		20	17	ug/L			03/22/20 10:40	20
o-Xylene	ND		20	15	ug/L			03/22/20 10:40	20
p-Chlorotoluene	ND		20	17	ug/L			03/22/20 10:40	20
p-Cymene	ND		20	6.2	ug/L			03/22/20 10:40	20
sec-Butylbenzene	ND		20	15	ug/L			03/22/20 10:40	20
Styrene	ND		20	15	ug/L			03/22/20 10:40	20
tert-Butylbenzene	ND		20	16	ug/L			03/22/20 10:40	20
Tetrachloroethene	ND		20	7.2	ug/L			03/22/20 10:40	20
Toluene	ND		20	10	ug/L			03/22/20 10:40	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			03/22/20 10:40	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			03/22/20 10:40	20
Trichloroethene	ND		20	9.2	ug/L			03/22/20 10:40	20
Trichlorofluoromethane	ND		20	18	ug/L			03/22/20 10:40	20
Vinyl acetate	ND		100	17	ug/L			03/22/20 10:40	20
Vinyl chloride	ND		20	18	ug/L			03/22/20 10:40	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*03/22/20 10:40*	*20*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*03/22/20 10:40*	*20*
Dibromofluoromethane (Surr)	*88*		*75 - 123*		*03/22/20 10:40*	*20*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/22/20 10:40*	*20*

Client Sample ID: OW-9A
Lab Sample ID: 480-167610-19
Date Collected: 03/17/20 11:05
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 18:46	100
1,1,1-Trichloroethane	ND		100	82	ug/L			03/21/20 18:46	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			03/21/20 18:46	100
1,1,2-Trichloroethane	ND		100	23	ug/L			03/21/20 18:46	100
1,1-Dichloroethane	ND		100	38	ug/L			03/21/20 18:46	100
1,1-Dichloroethene	ND		100	29	ug/L			03/21/20 18:46	100

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

Job ID: 480-167610-1

Client Sample ID: OW-9A
Date Collected: 03/17/20 11:05
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-19
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		100	72	ug/L			03/21/20 18:46	100
1,2,3-Trichlorobenzene	ND		100	41	ug/L			03/21/20 18:46	100
1,2,3-Trichloropropane	ND		100	89	ug/L			03/21/20 18:46	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			03/21/20 18:46	100
1,2,4-Trimethylbenzene	ND		100	75	ug/L			03/21/20 18:46	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			03/21/20 18:46	100
1,2-Dibromoethane	ND		100	73	ug/L			03/21/20 18:46	100
1,2-Dichlorobenzene	ND		100	79	ug/L			03/21/20 18:46	100
1,2-Dichloroethane	ND		100	21	ug/L			03/21/20 18:46	100
1,2-Dichloropropane	ND		100	72	ug/L			03/21/20 18:46	100
1,3,5-Trimethylbenzene	ND		100	77	ug/L			03/21/20 18:46	100
1,3-Dichlorobenzene	ND		100	78	ug/L			03/21/20 18:46	100
1,3-Dichloropropane	ND		100	75	ug/L			03/21/20 18:46	100
1,4-Dichlorobenzene	ND		100	84	ug/L			03/21/20 18:46	100
2,2-Dichloropropane	ND		100	40	ug/L			03/21/20 18:46	100
2-Butanone (MEK)	ND		1000	130	ug/L			03/21/20 18:46	100
2-Chloroethyl vinyl ether	ND		500	96	ug/L			03/21/20 18:46	100
2-Hexanone	ND		500	120	ug/L			03/21/20 18:46	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			03/21/20 18:46	100
Acetone	ND		1000	300	ug/L			03/21/20 18:46	100
Benzene	ND		100	41	ug/L			03/21/20 18:46	100
Bromobenzene	ND		100	80	ug/L			03/21/20 18:46	100
Bromochloromethane	ND		100	87	ug/L			03/21/20 18:46	100
Bromodichloromethane	ND		100	39	ug/L			03/21/20 18:46	100
Bromoform	ND		100	26	ug/L			03/21/20 18:46	100
Bromomethane	ND		100	69	ug/L			03/21/20 18:46	100
Carbon disulfide	ND		100	19	ug/L			03/21/20 18:46	100
Carbon tetrachloride	ND		100	27	ug/L			03/21/20 18:46	100
Chlorobenzene	ND		100	75	ug/L			03/21/20 18:46	100
Chlorodibromomethane	ND		100	32	ug/L			03/21/20 18:46	100
Chloroethane	ND		100	32	ug/L			03/21/20 18:46	100
Chloroform	ND		100	34	ug/L			03/21/20 18:46	100
Chloromethane	ND		100	35	ug/L			03/21/20 18:46	100
cis-1,2-Dichloroethene	**350**		100	81	ug/L			03/21/20 18:46	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			03/21/20 18:46	100
Dichlorodifluoromethane	ND		100	68	ug/L			03/21/20 18:46	100
Ethylbenzene	ND		100	74	ug/L			03/21/20 18:46	100
Hexachlorobutadiene	ND		200	28	ug/L			03/21/20 18:46	100
Isopropylbenzene	ND		100	79	ug/L			03/21/20 18:46	100
Methyl tert-butyl ether	ND		100	16	ug/L			03/21/20 18:46	100
Methylene Chloride	ND		100	44	ug/L			03/21/20 18:46	100
m-Xylene & p-Xylene	ND		200	66	ug/L			03/21/20 18:46	100
Naphthalene	ND		100	43	ug/L			03/21/20 18:46	100
n-Butylbenzene	ND		100	64	ug/L			03/21/20 18:46	100
N-Propylbenzene	ND		100	69	ug/L			03/21/20 18:46	100
o-Chlorotoluene	ND		100	86	ug/L			03/21/20 18:46	100
o-Xylene	ND		100	76	ug/L			03/21/20 18:46	100
p-Chlorotoluene	ND		100	84	ug/L			03/21/20 18:46	100
p-Cymene	ND		100	31	ug/L			03/21/20 18:46	100

Client Sample ID: OW-9A
Lab Sample ID: 480-167610-19

Date Collected: 03/17/20 11:05
Matrix: Water
Date Received: 03/19/20 15:58

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		100	75	ug/L			03/21/20 18:46	100
Styrene	ND		100	73	ug/L			03/21/20 18:46	100
tert-Butylbenzene	ND		100	81	ug/L			03/21/20 18:46	100
Tetrachloroethene	**7800**		100	36	ug/L			03/21/20 18:46	100
Toluene	ND		100	51	ug/L			03/21/20 18:46	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			03/21/20 18:46	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			03/21/20 18:46	100
Trichloroethene	**280**		100	46	ug/L			03/21/20 18:46	100
Trichlorofluoromethane	ND		100	88	ug/L			03/21/20 18:46	100
Vinyl acetate	ND		500	85	ug/L			03/21/20 18:46	100
Vinyl chloride	ND		100	90	ug/L			03/21/20 18:46	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*03/21/20 18:46*	*100*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*03/21/20 18:46*	*100*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*03/21/20 18:46*	*100*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/21/20 18:46*	*100*

Client Sample ID: OW-27B
Lab Sample ID: 480-167610-20

Date Collected: 03/17/20 09:00
Matrix: Water
Date Received: 03/19/20 15:58

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			03/22/20 11:03	50
1,1,1-Trichloroethane	ND		50	41	ug/L			03/22/20 11:03	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			03/22/20 11:03	50
1,1,2-Trichloroethane	ND		50	12	ug/L			03/22/20 11:03	50
1,1-Dichloroethane	ND		50	19	ug/L			03/22/20 11:03	50
1,1-Dichloroethene	ND		50	15	ug/L			03/22/20 11:03	50
1,1-Dichloropropene	ND		50	36	ug/L			03/22/20 11:03	50
1,2,3-Trichlorobenzene	**27**	**J**	50	21	ug/L			03/22/20 11:03	50
1,2,3-Trichloropropane	ND		50	45	ug/L			03/22/20 11:03	50
1,2,4-Trichlorobenzene	**160**		50	21	ug/L			03/22/20 11:03	50
1,2,4-Trimethylbenzene	ND		50	38	ug/L			03/22/20 11:03	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			03/22/20 11:03	50
1,2-Dibromoethane	ND		50	37	ug/L			03/22/20 11:03	50
1,2-Dichlorobenzene	**1000**		50	40	ug/L			03/22/20 11:03	50
1,2-Dichloroethane	ND		50	11	ug/L			03/22/20 11:03	50
1,2-Dichloropropane	ND		50	36	ug/L			03/22/20 11:03	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			03/22/20 11:03	50
1,3-Dichlorobenzene	**430**		50	39	ug/L			03/22/20 11:03	50
1,3-Dichloropropane	ND		50	38	ug/L			03/22/20 11:03	50
1,4-Dichlorobenzene	**1300**		50	42	ug/L			03/22/20 11:03	50
2,2-Dichloropropane	ND		50	20	ug/L			03/22/20 11:03	50
2-Butanone (MEK)	ND		500	66	ug/L			03/22/20 11:03	50
2-Chloroethyl vinyl ether	ND		250	48	ug/L			03/22/20 11:03	50
2-Hexanone	ND		250	62	ug/L			03/22/20 11:03	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			03/22/20 11:03	50
Acetone	ND		500	150	ug/L			03/22/20 11:03	50

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

Job ID: 480-167610-1

Client Sample ID: OW-27B
Date Collected: 03/17/20 09:00
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-20
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**290**		50	21	ug/L			03/22/20 11:03	50
Bromobenzene	ND		50	40	ug/L			03/22/20 11:03	50
Bromochloromethane	ND		50	44	ug/L			03/22/20 11:03	50
Bromodichloromethane	ND		50	20	ug/L			03/22/20 11:03	50
Bromoform	ND		50	13	ug/L			03/22/20 11:03	50
Bromomethane	ND		50	35	ug/L			03/22/20 11:03	50
Carbon disulfide	ND		50	9.5	ug/L			03/22/20 11:03	50
Carbon tetrachloride	ND		50	14	ug/L			03/22/20 11:03	50
Chlorobenzene	**2000**		50	38	ug/L			03/22/20 11:03	50
Chlorodibromomethane	ND		50	16	ug/L			03/22/20 11:03	50
Chloroethane	ND		50	16	ug/L			03/22/20 11:03	50
Chloroform	ND		50	17	ug/L			03/22/20 11:03	50
Chloromethane	ND		50	18	ug/L			03/22/20 11:03	50
cis-1,2-Dichloroethene	**1300**		50	41	ug/L			03/22/20 11:03	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			03/22/20 11:03	50
Dichlorodifluoromethane	ND		50	34	ug/L			03/22/20 11:03	50
Ethylbenzene	ND		50	37	ug/L			03/22/20 11:03	50
Hexachlorobutadiene	ND		100	14	ug/L			03/22/20 11:03	50
Isopropylbenzene	ND		50	40	ug/L			03/22/20 11:03	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			03/22/20 11:03	50
Methylene Chloride	ND		50	22	ug/L			03/22/20 11:03	50
m-Xylene & p-Xylene	ND		100	33	ug/L			03/22/20 11:03	50
Naphthalene	ND		50	22	ug/L			03/22/20 11:03	50
n-Butylbenzene	ND		50	32	ug/L			03/22/20 11:03	50
N-Propylbenzene	ND		50	35	ug/L			03/22/20 11:03	50
o-Chlorotoluene	ND		50	43	ug/L			03/22/20 11:03	50
o-Xylene	ND		50	38	ug/L			03/22/20 11:03	50
p-Chlorotoluene	ND		50	42	ug/L			03/22/20 11:03	50
p-Cymene	ND		50	16	ug/L			03/22/20 11:03	50
sec-Butylbenzene	ND		50	38	ug/L			03/22/20 11:03	50
Styrene	ND		50	37	ug/L			03/22/20 11:03	50
tert-Butylbenzene	ND		50	41	ug/L			03/22/20 11:03	50
Tetrachloroethene	**180**		50	18	ug/L			03/22/20 11:03	50
Toluene	ND		50	26	ug/L			03/22/20 11:03	50
trans-1,2-Dichloroethene	**52**		50	45	ug/L			03/22/20 11:03	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			03/22/20 11:03	50
Trichloroethene	**98**		50	23	ug/L			03/22/20 11:03	50
Trichlorofluoromethane	ND		50	44	ug/L			03/22/20 11:03	50
Vinyl acetate	ND		250	43	ug/L			03/22/20 11:03	50
Vinyl chloride	**410**		50	45	ug/L			03/22/20 11:03	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*03/22/20 11:03*	*50*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*03/22/20 11:03*	*50*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*03/22/20 11:03*	*50*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/22/20 11:03*	*50*

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

Job ID: 480-167610-1

Client Sample ID: OW-16A
Date Collected: 03/17/20 09:15
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-21
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			03/21/20 19:32	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/20 19:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/20 19:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/20 19:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/20 19:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/20 19:32	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/21/20 19:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/20 19:32	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/21/20 19:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/20 19:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/21/20 19:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/20 19:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/20 19:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/20 19:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/20 19:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/20 19:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/21/20 19:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/20 19:32	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/21/20 19:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/20 19:32	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/21/20 19:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/20 19:32	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			03/21/20 19:32	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/20 19:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/20 19:32	1
Acetone	ND		10	3.0	ug/L			03/21/20 19:32	1
Benzene	ND		1.0	0.41	ug/L			03/21/20 19:32	1
Bromobenzene	ND		1.0	0.80	ug/L			03/21/20 19:32	1
Bromochloromethane	ND		1.0	0.87	ug/L			03/21/20 19:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/20 19:32	1
Bromoform	ND		1.0	0.26	ug/L			03/21/20 19:32	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/20 19:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/20 19:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/20 19:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/20 19:32	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/21/20 19:32	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/20 19:32	1
Chloroform	ND		1.0	0.34	ug/L			03/21/20 19:32	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/20 19:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/20 19:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/20 19:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/20 19:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/20 19:32	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			03/21/20 19:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/20 19:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/20 19:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/20 19:32	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			03/21/20 19:32	1
Naphthalene	ND		1.0	0.43	ug/L			03/21/20 19:32	1

Client Sample ID: OW-16A
Lab Sample ID: 480-167610-21

Date Collected: 03/17/20 09:15
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 19:32	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/21/20 19:32	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			03/21/20 19:32	1
o-Xylene	ND		1.0	0.76	ug/L			03/21/20 19:32	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			03/21/20 19:32	1
p-Cymene	ND		1.0	0.31	ug/L			03/21/20 19:32	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/21/20 19:32	1
Styrene	ND		1.0	0.73	ug/L			03/21/20 19:32	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/21/20 19:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/20 19:32	1
Toluene	ND		1.0	0.51	ug/L			03/21/20 19:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/20 19:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/20 19:32	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/20 19:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/20 19:32	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/21/20 19:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/20 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*03/21/20 19:32*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*03/21/20 19:32*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*03/21/20 19:32*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/21/20 19:32*	*1*

Client Sample ID: OW-13B
Lab Sample ID: 480-167610-22

Date Collected: 03/17/20 09:30
Matrix: Water
Date Received: 03/19/20 15:58

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			03/22/20 11:26	200
1,1,1-Trichloroethane	ND		200	160	ug/L			03/22/20 11:26	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			03/22/20 11:26	200
1,1,2-Trichloroethane	ND		200	46	ug/L			03/22/20 11:26	200
1,1-Dichloroethane	ND		200	76	ug/L			03/22/20 11:26	200
1,1-Dichloroethene	ND		200	58	ug/L			03/22/20 11:26	200
1,1-Dichloropropene	ND		200	140	ug/L			03/22/20 11:26	200
1,2,3-Trichlorobenzene	**400**		200	82	ug/L			03/22/20 11:26	200
1,2,3-Trichloropropane	ND		200	180	ug/L			03/22/20 11:26	200
1,2,4-Trichlorobenzene	**5900**		200	82	ug/L			03/22/20 11:26	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			03/22/20 11:26	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			03/22/20 11:26	200
1,2-Dibromoethane	ND		200	150	ug/L			03/22/20 11:26	200
1,2-Dichlorobenzene	**6400**		200	160	ug/L			03/22/20 11:26	200
1,2-Dichloroethane	ND		200	42	ug/L			03/22/20 11:26	200
1,2-Dichloropropane	ND		200	140	ug/L			03/22/20 11:26	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			03/22/20 11:26	200
1,3-Dichlorobenzene	**1500**		200	160	ug/L			03/22/20 11:26	200
1,3-Dichloropropane	ND		200	150	ug/L			03/22/20 11:26	200
1,4-Dichlorobenzene	**5200**		200	170	ug/L			03/22/20 11:26	200

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

Job ID: 480-167610-1

Client Sample ID: OW-13B
Date Collected: 03/17/20 09:30
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-22
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			03/22/20 11:26	200
2-Butanone (MEK)	ND		2000	260	ug/L			03/22/20 11:26	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			03/22/20 11:26	200
2-Hexanone	ND		1000	250	ug/L			03/22/20 11:26	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			03/22/20 11:26	200
Acetone	ND		2000	600	ug/L			03/22/20 11:26	200
Benzene	**1300**		200	82	ug/L			03/22/20 11:26	200
Bromobenzene	ND		200	160	ug/L			03/22/20 11:26	200
Bromochloromethane	ND		200	170	ug/L			03/22/20 11:26	200
Bromodichloromethane	ND		200	78	ug/L			03/22/20 11:26	200
Bromoform	ND		200	52	ug/L			03/22/20 11:26	200
Bromomethane	ND		200	140	ug/L			03/22/20 11:26	200
Carbon disulfide	ND		200	38	ug/L			03/22/20 11:26	200
Carbon tetrachloride	ND		200	54	ug/L			03/22/20 11:26	200
Chlorobenzene	**8100**		200	150	ug/L			03/22/20 11:26	200
Chlorodibromomethane	ND		200	64	ug/L			03/22/20 11:26	200
Chloroethane	ND		200	64	ug/L			03/22/20 11:26	200
Chloroform	ND		200	68	ug/L			03/22/20 11:26	200
Chloromethane	ND		200	70	ug/L			03/22/20 11:26	200
cis-1,2-Dichloroethene	**7700**		200	160	ug/L			03/22/20 11:26	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			03/22/20 11:26	200
Dichlorodifluoromethane	ND		200	140	ug/L			03/22/20 11:26	200
Ethylbenzene	ND		200	150	ug/L			03/22/20 11:26	200
Hexachlorobutadiene	ND		400	56	ug/L			03/22/20 11:26	200
Isopropylbenzene	ND		200	160	ug/L			03/22/20 11:26	200
Methyl tert-butyl ether	ND		200	32	ug/L			03/22/20 11:26	200
Methylene Chloride	ND		200	88	ug/L			03/22/20 11:26	200
m-Xylene & p-Xylene	ND		400	130	ug/L			03/22/20 11:26	200
Naphthalene	ND		200	86	ug/L			03/22/20 11:26	200
n-Butylbenzene	ND		200	130	ug/L			03/22/20 11:26	200
N-Propylbenzene	ND		200	140	ug/L			03/22/20 11:26	200
o-Chlorotoluene	ND		200	170	ug/L			03/22/20 11:26	200
o-Xylene	ND		200	150	ug/L			03/22/20 11:26	200
p-Chlorotoluene	ND		200	170	ug/L			03/22/20 11:26	200
p-Cymene	ND		200	62	ug/L			03/22/20 11:26	200
sec-Butylbenzene	ND		200	150	ug/L			03/22/20 11:26	200
Styrene	ND		200	150	ug/L			03/22/20 11:26	200
tert-Butylbenzene	ND		200	160	ug/L			03/22/20 11:26	200
Tetrachloroethene	**590**		200	72	ug/L			03/22/20 11:26	200
Toluene	ND		200	100	ug/L			03/22/20 11:26	200
trans-1,2-Dichloroethene	**220**		200	180	ug/L			03/22/20 11:26	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			03/22/20 11:26	200
Trichloroethene	**280**		200	92	ug/L			03/22/20 11:26	200
Trichlorofluoromethane	ND		200	180	ug/L			03/22/20 11:26	200
Vinyl acetate	ND		1000	170	ug/L			03/22/20 11:26	200
Vinyl chloride	**2200**		200	180	ug/L			03/22/20 11:26	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*03/22/20 11:26*	*200*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*03/22/20 11:26*	*200*

Client Sample ID: OW-13B
Lab Sample ID: 480-167610-22

Date Collected: 03/17/20 09:30
Matrix: Water
Date Received: 03/19/20 15:58

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*03/22/20 11:26*	*200*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/22/20 11:26*	*200*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-167610-23

Date Collected: 03/17/20 00:00
Matrix: Water
Date Received: 03/19/20 15:58

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			03/21/20 20:18	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/20 20:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/20 20:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/20 20:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/20 20:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/20 20:18	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/21/20 20:18	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/20 20:18	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/21/20 20:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/20 20:18	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/21/20 20:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/20 20:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/20 20:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/20 20:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/20 20:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/20 20:18	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/21/20 20:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/20 20:18	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/21/20 20:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/20 20:18	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/21/20 20:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/20 20:18	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			03/21/20 20:18	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/20 20:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/20 20:18	1
Acetone	ND		10	3.0	ug/L			03/21/20 20:18	1
Benzene	ND		1.0	0.41	ug/L			03/21/20 20:18	1
Bromobenzene	ND		1.0	0.80	ug/L			03/21/20 20:18	1
Bromochloromethane	ND		1.0	0.87	ug/L			03/21/20 20:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/20 20:18	1
Bromoform	ND		1.0	0.26	ug/L			03/21/20 20:18	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/20 20:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/20 20:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/20 20:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/20 20:18	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/21/20 20:18	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/20 20:18	1
Chloroform	**1.8**		1.0	0.34	ug/L			03/21/20 20:18	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/20 20:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/20 20:18	1

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

Job ID: 480-167610-1

Client Sample ID: TRIP BLANK
Date Collected: 03/17/20 00:00
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-23
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			03/21/20 20:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/20 20:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/20 20:18	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			03/21/20 20:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/20 20:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/20 20:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/20 20:18	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			03/21/20 20:18	1
Naphthalene	ND		1.0	0.43	ug/L			03/21/20 20:18	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/21/20 20:18	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/21/20 20:18	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			03/21/20 20:18	1
o-Xylene	ND		1.0	0.76	ug/L			03/21/20 20:18	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			03/21/20 20:18	1
p-Cymene	ND		1.0	0.31	ug/L			03/21/20 20:18	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/21/20 20:18	1
Styrene	ND		1.0	0.73	ug/L			03/21/20 20:18	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/21/20 20:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/20 20:18	1
Toluene	ND		1.0	0.51	ug/L			03/21/20 20:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/20 20:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/20 20:18	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/20 20:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/20 20:18	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/21/20 20:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/20 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*03/21/20 20:18*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*03/21/20 20:18*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*03/21/20 20:18*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/21/20 20:18*	*1*

Surrogate Summary

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

Job ID: 480-167610-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-167610-1	OW-113B	93	102	97	104
480-167610-2	OW-29B	92	102	95	103
480-167610-3	OW-15A	91	103	94	104
480-167610-4	OW-28B	90	103	94	104
480-167610-5	MW-4B	92	103	94	102
480-167610-6	MW-4C	90	101	93	103
480-167610-6 MS	MW-4C	90	100	95	108
480-167610-6 MSD	MW-4C	92	98	95	107
480-167610-7	OW-5B	92	102	94	104
480-167610-8	OW-105B	91	103	94	105
480-167610-9	OW-6B	91	101	95	104
480-167610-10	OW-7B	92	101	95	104
480-167610-11	OW-8B	92	101	95	105
480-167610-12	OW-26B	93	101	96	103
480-167610-13	OW-30B	92	100	95	102
480-167610-14	MW-5A	93	99	95	103
480-167610-15	MW-5C	91	100	95	103
480-167610-16	MW-5CD	92	101	97	103
480-167610-17	OW-18A	98	108	97	102
480-167610-17 MS	OW-18A	92	108	93	100
480-167610-17 MSD	OW-18A	89	107	92	100
480-167610-18	OW-12B	95	110	100	103
480-167610-18 - DL	OW-12B	87	111	88	100
480-167610-19	OW-9A	97	107	94	100
480-167610-20	OW-27B	89	109	92	99
480-167610-21	OW-16A	94	107	101	103
480-167610-22	OW-13B	91	109	93	97
480-167610-23	TRIP BLANK	98	108	96	102
LCS 480-522503/5	Lab Control Sample	92	99	96	106
LCS 480-522507/5	Lab Control Sample	95	105	102	104
LCS 480-522523/5	Lab Control Sample	88	110	93	99
LCS 480-522531/5	Lab Control Sample	92	102	94	106
MB 480-522503/7	Method Blank	93	100	96	103
MB 480-522507/7	Method Blank	94	107	99	102
MB 480-522523/8	Method Blank	89	109	94	101
MB 480-522531/7	Method Blank	92	103	95	105

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 480-522503/7
Matrix: Water
Analysis Batch: 522503

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			03/21/20 11:58	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/20 11:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/20 11:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/20 11:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/20 11:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/20 11:58	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/21/20 11:58	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/20 11:58	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/21/20 11:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/20 11:58	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/21/20 11:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/20 11:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/20 11:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/20 11:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/20 11:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/20 11:58	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/21/20 11:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/20 11:58	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/21/20 11:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/20 11:58	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/21/20 11:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/20 11:58	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			03/21/20 11:58	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/20 11:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/20 11:58	1
Acetone	ND		10	3.0	ug/L			03/21/20 11:58	1
Benzene	ND		1.0	0.41	ug/L			03/21/20 11:58	1
Bromobenzene	ND		1.0	0.80	ug/L			03/21/20 11:58	1
Bromochloromethane	ND		1.0	0.87	ug/L			03/21/20 11:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/20 11:58	1
Bromoform	ND		1.0	0.26	ug/L			03/21/20 11:58	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/20 11:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/20 11:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/20 11:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/20 11:58	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/21/20 11:58	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/20 11:58	1
Chloroform	ND		1.0	0.34	ug/L			03/21/20 11:58	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/20 11:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/20 11:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/20 11:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/20 11:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/20 11:58	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			03/21/20 11:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/20 11:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/20 11:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/20 11:58	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			03/21/20 11:58	1

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

Lab Sample ID: MB 480-522503/7
Matrix: Water
Analysis Batch: 522503

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			03/21/20 11:58	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/21/20 11:58	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/21/20 11:58	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			03/21/20 11:58	1
o-Xylene	ND		1.0	0.76	ug/L			03/21/20 11:58	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			03/21/20 11:58	1
p-Cymene	ND		1.0	0.31	ug/L			03/21/20 11:58	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/21/20 11:58	1
Styrene	ND		1.0	0.73	ug/L			03/21/20 11:58	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/21/20 11:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/20 11:58	1
Toluene	ND		1.0	0.51	ug/L			03/21/20 11:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/20 11:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/20 11:58	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/20 11:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/20 11:58	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/21/20 11:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/20 11:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*03/21/20 11:58*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*03/21/20 11:58*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*03/21/20 11:58*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/21/20 11:58*	*1*

Lab Sample ID: LCS 480-522503/5
Matrix: Water
Analysis Batch: 522503

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	25.1		ug/L		101	80 - 120
1,1,1-Trichloroethane	25.0	23.3		ug/L		93	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.5		ug/L		110	76 - 120
1,1,2-Trichloroethane	25.0	27.2		ug/L		109	76 - 122
1,1-Dichloroethane	25.0	25.0		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	25.3		ug/L		101	66 - 127
1,1-Dichloropropene	25.0	25.4		ug/L		101	72 - 122
1,2,3-Trichlorobenzene	25.0	26.9		ug/L		108	75 - 123
1,2,3-Trichloropropane	25.0	25.9		ug/L		104	68 - 122
1,2,4-Trichlorobenzene	25.0	26.8		ug/L		107	79 - 122
1,2,4-Trimethylbenzene	25.0	27.0		ug/L		108	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	22.9		ug/L		92	56 - 134
1,2-Dibromoethane	25.0	26.1		ug/L		104	77 - 120
1,2-Dichlorobenzene	25.0	26.9		ug/L		107	80 - 124
1,2-Dichloroethane	25.0	21.2		ug/L		85	75 - 120
1,2-Dichloropropane	25.0	28.0		ug/L		112	76 - 120
1,3,5-Trimethylbenzene	25.0	26.9		ug/L		107	77 - 121
1,3-Dichlorobenzene	25.0	26.9		ug/L		108	77 - 120

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

Lab Sample ID: LCS 480-522503/5
Matrix: Water
Analysis Batch: 522503

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	26.7		ug/L		107	75 - 120
1,4-Dichlorobenzene	25.0	26.8		ug/L		107	80 - 120
2,2-Dichloropropane	25.0	22.8		ug/L		91	63 - 136
2-Butanone (MEK)	125	107		ug/L		86	57 - 140
2-Chloroethyl vinyl ether	25.0	31.8		ug/L		127	70 - 129
2-Hexanone	125	117		ug/L		93	65 - 127
4-Methyl-2-pentanone (MIBK)	125	114		ug/L		91	71 - 125
Acetone	125	95.3		ug/L		76	56 - 142
Benzene	25.0	26.9		ug/L		108	71 - 124
Bromobenzene	25.0	26.6		ug/L		107	78 - 120
Bromochloromethane	25.0	25.6		ug/L		102	72 - 130
Bromodichloromethane	25.0	24.8		ug/L		99	80 - 122
Bromoform	25.0	24.3		ug/L		97	61 - 132
Bromomethane	25.0	23.6		ug/L		95	55 - 144
Carbon disulfide	25.0	26.1		ug/L		104	59 - 134
Carbon tetrachloride	25.0	22.9		ug/L		92	72 - 134
Chlorobenzene	25.0	26.6		ug/L		106	80 - 120
Chlorodibromomethane	25.0	24.9		ug/L		100	75 - 125
Chloroethane	25.0	19.5		ug/L		78	69 - 136
Chloroform	25.0	23.8		ug/L		95	73 - 127
Chloromethane	25.0	20.3		ug/L		81	68 - 124
cis-1,2-Dichloroethene	25.0	26.2		ug/L		105	74 - 124
cis-1,3-Dichloropropene	25.0	27.3		ug/L		109	74 - 124
Dichlorodifluoromethane	25.0	19.4		ug/L		78	59 - 135
Ethylbenzene	25.0	26.4		ug/L		105	77 - 123
Hexachlorobutadiene	25.0	27.7		ug/L		111	68 - 131
Isopropylbenzene	25.0	27.0		ug/L		108	77 - 122
Methyl tert-butyl ether	25.0	24.3		ug/L		97	77 - 120
Methylene Chloride	25.0	27.1		ug/L		109	75 - 124
m-Xylene & p-Xylene	25.0	26.4		ug/L		105	76 - 122
Naphthalene	25.0	25.9		ug/L		104	66 - 125
n-Butylbenzene	25.0	27.2		ug/L		109	71 - 128
N-Propylbenzene	25.0	27.3		ug/L		109	75 - 127
o-Chlorotoluene	25.0	26.7		ug/L		107	76 - 121
o-Xylene	25.0	26.3		ug/L		105	76 - 122
p-Chlorotoluene	25.0	26.9		ug/L		108	77 - 121
p-Cymene	25.0	26.8		ug/L		107	73 - 120
sec-Butylbenzene	25.0	27.0		ug/L		108	74 - 127
Styrene	25.0	27.0		ug/L		108	80 - 120
tert-Butylbenzene	25.0	26.2		ug/L		105	75 - 123
Tetrachloroethene	25.0	26.2		ug/L		105	74 - 122
Toluene	25.0	27.0		ug/L		108	80 - 122
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	73 - 127
trans-1,3-Dichloropropene	25.0	26.2		ug/L		105	80 - 120
Trichloroethene	25.0	25.6		ug/L		102	74 - 123
Trichlorofluoromethane	25.0	21.4		ug/L		86	62 - 150
Vinyl acetate	50.0	48.9		ug/L		98	50 - 144
Vinyl chloride	25.0	22.4		ug/L		90	65 - 133

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

Lab Sample ID: LCS 480-522503/5
Matrix: Water
Analysis Batch: 522503

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: 480-167610-6 MS
Matrix: Water
Analysis Batch: 522503

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	10100		ug/L		101	80 - 120
1,1,1-Trichloroethane	ND		10000	8970		ug/L		90	73 - 126
1,1,2,2-Tetrachloroethane	290	J	10000	11100		ug/L		108	76 - 120
1,1,2-Trichloroethane	ND		10000	11100		ug/L		111	76 - 122
1,1-Dichloroethane	ND		10000	9730		ug/L		97	77 - 120
1,1-Dichloroethene	ND		10000	9820		ug/L		98	66 - 127
1,1-Dichloropropene	ND		10000	9680		ug/L		97	72 - 122
1,2,3-Trichlorobenzene	ND		10000	10700		ug/L		107	75 - 123
1,2,3-Trichloropropane	ND		10000	10100		ug/L		101	68 - 122
1,2,4-Trichlorobenzene	500		10000	11100		ug/L		106	79 - 122
1,2,4-Trimethylbenzene	ND		10000	10700		ug/L		107	76 - 121
1,2-Dibromo-3-Chloropropane	ND		10000	9030		ug/L		90	56 - 134
1,2-Dibromoethane	ND		10000	10300		ug/L		103	77 - 120
1,2-Dichlorobenzene	1600		10000	12200		ug/L		106	80 - 124
1,2-Dichloroethane	ND		10000	8270		ug/L		83	75 - 120
1,2-Dichloropropane	ND		10000	10800		ug/L		108	76 - 120
1,3,5-Trimethylbenzene	ND		10000	10600		ug/L		106	77 - 121
1,3-Dichlorobenzene	ND		10000	10700		ug/L		107	77 - 120
1,3-Dichloropropane	ND		10000	10700		ug/L		107	75 - 120
1,4-Dichlorobenzene	1100		10000	11500		ug/L		104	78 - 124
2,2-Dichloropropane	ND		10000	7970		ug/L		80	63 - 136
2-Butanone (MEK)	ND		50000	40700		ug/L		81	57 - 140
2-Chloroethyl vinyl ether	ND		10000	12300		ug/L		123	70 - 129
2-Hexanone	ND		50000	45600		ug/L		91	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		50000	45600		ug/L		91	71 - 125
Acetone	ND		50000	36200		ug/L		72	56 - 142
Benzene	3000		10000	13700		ug/L		107	71 - 124
Bromobenzene	ND		10000	10300		ug/L		103	78 - 120
Bromochloromethane	ND		10000	9880		ug/L		99	72 - 130
Bromodichloromethane	ND		10000	9610		ug/L		96	80 - 122
Bromoform	ND		10000	9700		ug/L		97	61 - 132
Bromomethane	ND		10000	9380		ug/L		94	55 - 144
Carbon disulfide	ND		10000	10300		ug/L		103	59 - 134
Carbon tetrachloride	ND		10000	8660		ug/L		87	72 - 134
Chlorobenzene	3900		10000	14500		ug/L		106	80 - 120
Chlorodibromomethane	ND		10000	9970		ug/L		100	75 - 125
Chloroethane	ND		10000	7850		ug/L		78	69 - 136
Chloroform	ND		10000	9260		ug/L		93	73 - 127

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

Lab Sample ID: 480-167610-6 MS
Matrix: Water
Analysis Batch: 522503

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	8170		ug/L		82	68 - 124
cis-1,2-Dichloroethene	19000		10000	30600		ug/L		111	74 - 124
cis-1,3-Dichloropropene	ND		10000	10200		ug/L		102	74 - 124
Dichlorodifluoromethane	ND		10000	7450		ug/L		75	59 - 135
Ethylbenzene	ND		10000	10400		ug/L		104	77 - 123
Hexachlorobutadiene	ND		10000	10400		ug/L		104	68 - 131
Isopropylbenzene	ND		10000	10500		ug/L		105	77 - 122
Methyl tert-butyl ether	ND		10000	9230		ug/L		92	77 - 120
Methylene Chloride	ND		10000	10400		ug/L		104	75 - 124
m-Xylene & p-Xylene	ND		10000	10400		ug/L		104	76 - 122
Naphthalene	ND		10000	10300		ug/L		103	66 - 125
n-Butylbenzene	ND		10000	10600		ug/L		106	71 - 128
N-Propylbenzene	ND		10000	10600		ug/L		106	75 - 127
o-Chlorotoluene	ND		10000	10300		ug/L		103	76 - 121
o-Xylene	ND		10000	10300		ug/L		103	76 - 122
p-Chlorotoluene	ND		10000	10400		ug/L		104	77 - 121
p-Cymene	ND		10000	10500		ug/L		105	73 - 120
sec-Butylbenzene	ND		10000	10600		ug/L		106	74 - 127
Styrene	ND		10000	10600		ug/L		106	80 - 120
tert-Butylbenzene	ND		10000	10400		ug/L		104	75 - 123
Tetrachloroethene	3600		10000	14600		ug/L		110	74 - 122
Toluene	ND		10000	10900		ug/L		109	80 - 122
trans-1,2-Dichloroethene	ND		10000	10400		ug/L		104	73 - 127
trans-1,3-Dichloropropene	ND		10000	10100		ug/L		101	80 - 120
Trichloroethene	3800		10000	14200		ug/L		104	74 - 123
Trichlorofluoromethane	ND		10000	8490		ug/L		85	62 - 150
Vinyl acetate	ND		20000	17300		ug/L		87	50 - 144
Vinyl chloride	1200		10000	10500		ug/L		93	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*75 - 123*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: 480-167610-6 MSD
Matrix: Water
Analysis Batch: 522503

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	9780		ug/L		98	80 - 120	3	20
1,1,1-Trichloroethane	ND		10000	8880		ug/L		89	73 - 126	1	15
1,1,2,2-Tetrachloroethane	290	J	10000	11300		ug/L		110	76 - 120	2	15
1,1,2-Trichloroethane	ND		10000	10900		ug/L		109	76 - 122	1	15
1,1-Dichloroethane	ND		10000	9650		ug/L		96	77 - 120	1	20
1,1-Dichloroethene	ND		10000	9610		ug/L		96	66 - 127	2	16
1,1-Dichloropropene	ND		10000	9490		ug/L		95	72 - 122	2	20
1,2,3-Trichlorobenzene	ND		10000	10900		ug/L		109	75 - 123	2	20

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

Lab Sample ID: 480-167610-6 MSD
Matrix: Water
Analysis Batch: 522503

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	10400		ug/L		104	68 - 122	3	14
1,2,4-Trichlorobenzene	500		10000	11300		ug/L		108	79 - 122	2	20
1,2,4-Trimethylbenzene	ND		10000	10500		ug/L		105	76 - 121	2	20
1,2-Dibromo-3-Chloropropane	ND		10000	9300		ug/L		93	56 - 134	3	15
1,2-Dibromoethane	ND		10000	10200		ug/L		102	77 - 120	1	15
1,2-Dichlorobenzene	1600		10000	12100		ug/L		105	80 - 124	1	20
1,2-Dichloroethane	ND		10000	8350		ug/L		83	75 - 120	1	20
1,2-Dichloropropane	ND		10000	10800		ug/L		108	76 - 120	0	20
1,3,5-Trimethylbenzene	ND		10000	10400		ug/L		104	77 - 121	1	20
1,3-Dichlorobenzene	ND		10000	10700		ug/L		107	77 - 120	1	20
1,3-Dichloropropane	ND		10000	10600		ug/L		106	75 - 120	1	20
1,4-Dichlorobenzene	1100		10000	11400		ug/L		103	78 - 124	1	20
2,2-Dichloropropane	ND		10000	7840		ug/L		78	63 - 136	2	20
2-Butanone (MEK)	ND		50000	41400		ug/L		83	57 - 140	2	20
2-Chloroethyl vinyl ether	ND		10000	12300		ug/L		123	70 - 129	0	20
2-Hexanone	ND		50000	45100		ug/L		90	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	ND		50000	45200		ug/L		90	71 - 125	1	35
Acetone	ND		50000	37300		ug/L		75	56 - 142	3	15
Benzene	3000		10000	13700		ug/L		107	71 - 124	0	13
Bromobenzene	ND		10000	10400		ug/L		104	78 - 120	1	15
Bromochloromethane	ND		10000	9810		ug/L		98	72 - 130	1	15
Bromodichloromethane	ND		10000	9640		ug/L		96	80 - 122	0	15
Bromoform	ND		10000	9750		ug/L		98	61 - 132	1	15
Bromomethane	ND		10000	8580		ug/L		86	55 - 144	9	15
Carbon disulfide	ND		10000	10100		ug/L		101	59 - 134	1	15
Carbon tetrachloride	ND		10000	8470		ug/L		85	72 - 134	2	15
Chlorobenzene	3900		10000	14200		ug/L		103	80 - 120	2	25
Chlorodibromomethane	ND		10000	9900		ug/L		99	75 - 125	1	15
Chloroethane	ND		10000	7610		ug/L		76	69 - 136	3	15
Chloroform	ND		10000	9180		ug/L		92	73 - 127	1	20
Chloromethane	ND		10000	7850		ug/L		79	68 - 124	4	15
cis-1,2-Dichloroethene	19000		10000	30200		ug/L		108	74 - 124	1	15
cis-1,3-Dichloropropene	ND		10000	10300		ug/L		103	74 - 124	1	15
Dichlorodifluoromethane	ND		10000	7070		ug/L		71	59 - 135	5	20
Ethylbenzene	ND		10000	10100		ug/L		101	77 - 123	3	15
Hexachlorobutadiene	ND		10000	10500		ug/L		105	68 - 131	1	20
Isopropylbenzene	ND		10000	10400		ug/L		104	77 - 122	1	20
Methyl tert-butyl ether	ND		10000	9400		ug/L		94	77 - 120	2	37
Methylene Chloride	ND		10000	10400		ug/L		104	75 - 124	0	15
m-Xylene & p-Xylene	ND		10000	10200		ug/L		102	76 - 122	2	16
Naphthalene	ND		10000	10600		ug/L		106	66 - 125	3	20
n-Butylbenzene	ND		10000	10400		ug/L		104	71 - 128	2	15
N-Propylbenzene	ND		10000	10400		ug/L		104	75 - 127	2	15
o-Chlorotoluene	ND		10000	10300		ug/L		103	76 - 121	0	20
o-Xylene	ND		10000	10100		ug/L		101	76 - 122	2	16
p-Chlorotoluene	ND		10000	10300		ug/L		103	77 - 121	1	15
p-Cymene	ND		10000	10400		ug/L		104	73 - 120	1	20
sec-Butylbenzene	ND		10000	10400		ug/L		104	74 - 127	2	15
Styrene	ND		10000	10400		ug/L		104	80 - 120	2	20

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

Lab Sample ID: 480-167610-6 MSD
Matrix: Water
Analysis Batch: 522503

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
tert-Butylbenzene	ND		10000	10200		ug/L		102	75 - 123	2	15
Tetrachloroethene	3600		10000	14100		ug/L		104	74 - 122	4	20
Toluene	ND		10000	10600		ug/L		106	80 - 122	3	15
trans-1,2-Dichloroethene	ND		10000	10300		ug/L		103	73 - 127	1	20
trans-1,3-Dichloropropene	ND		10000	10000		ug/L		100	80 - 120	1	15
Trichloroethene	3800		10000	14200		ug/L		104	74 - 123	0	16
Trichlorofluoromethane	ND		10000	8220		ug/L		82	62 - 150	3	20
Vinyl acetate	ND		20000	17500		ug/L		88	50 - 144	1	23
Vinyl chloride	1200		10000	10200		ug/L		90	65 - 133	3	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*75 - 123*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: MB 480-522507/7
Matrix: Water
Analysis Batch: 522507

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			03/21/20 12:49	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/20 12:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/20 12:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/20 12:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/20 12:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/20 12:49	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/21/20 12:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/20 12:49	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/21/20 12:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/20 12:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/21/20 12:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/20 12:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/20 12:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/20 12:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/20 12:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/20 12:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/21/20 12:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/20 12:49	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/21/20 12:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/20 12:49	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/21/20 12:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/20 12:49	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			03/21/20 12:49	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/20 12:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/20 12:49	1
Acetone	ND		10	3.0	ug/L			03/21/20 12:49	1
Benzene	ND		1.0	0.41	ug/L			03/21/20 12:49	1

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

Lab Sample ID: MB 480-522507/7
Matrix: Water
Analysis Batch: 522507

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		1.0	0.80	ug/L			03/21/20 12:49	1
Bromochloromethane	ND		1.0	0.87	ug/L			03/21/20 12:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/20 12:49	1
Bromoform	ND		1.0	0.26	ug/L			03/21/20 12:49	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/20 12:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/20 12:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/20 12:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/20 12:49	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/21/20 12:49	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/20 12:49	1
Chloroform	ND		1.0	0.34	ug/L			03/21/20 12:49	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/20 12:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/20 12:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/20 12:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/20 12:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/20 12:49	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			03/21/20 12:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/20 12:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/20 12:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/20 12:49	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			03/21/20 12:49	1
Naphthalene	ND		1.0	0.43	ug/L			03/21/20 12:49	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/21/20 12:49	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/21/20 12:49	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			03/21/20 12:49	1
o-Xylene	ND		1.0	0.76	ug/L			03/21/20 12:49	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			03/21/20 12:49	1
p-Cymene	ND		1.0	0.31	ug/L			03/21/20 12:49	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/21/20 12:49	1
Styrene	ND		1.0	0.73	ug/L			03/21/20 12:49	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/21/20 12:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/20 12:49	1
Toluene	ND		1.0	0.51	ug/L			03/21/20 12:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/20 12:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/20 12:49	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/20 12:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/20 12:49	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/21/20 12:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/20 12:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*03/21/20 12:49*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*03/21/20 12:49*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*03/21/20 12:49*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/21/20 12:49*	*1*

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

Lab Sample ID: LCS 480-522507/5
Matrix: Water
Analysis Batch: 522507

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	26.7		ug/L		107	80 - 120
1,1,1-Trichloroethane	25.0	23.0		ug/L		92	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.5		ug/L		102	76 - 120
1,1,2-Trichloroethane	25.0	27.0		ug/L		108	76 - 122
1,1-Dichloroethane	25.0	24.6		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	23.4		ug/L		94	66 - 127
1,1-Dichloropropene	25.0	23.4		ug/L		94	72 - 122
1,2,3-Trichlorobenzene	25.0	29.8		ug/L		119	75 - 123
1,2,3-Trichloropropane	25.0	24.4		ug/L		98	68 - 122
1,2,4-Trichlorobenzene	25.0	28.5		ug/L		114	79 - 122
1,2,4-Trimethylbenzene	25.0	25.3		ug/L		101	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	25.4		ug/L		102	56 - 134
1,2-Dibromoethane	25.0	26.6		ug/L		106	77 - 120
1,2-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	23.8		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	25.9		ug/L		104	76 - 120
1,3,5-Trimethylbenzene	25.0	25.3		ug/L		101	77 - 121
1,3-Dichlorobenzene	25.0	25.0		ug/L		100	77 - 120
1,3-Dichloropropane	25.0	26.7		ug/L		107	75 - 120
1,4-Dichlorobenzene	25.0	25.4		ug/L		102	80 - 120
2,2-Dichloropropane	25.0	23.6		ug/L		94	63 - 136
2-Butanone (MEK)	125	132		ug/L		106	57 - 140
2-Chloroethyl vinyl ether	25.0	27.0		ug/L		108	70 - 129
2-Hexanone	125	137		ug/L		109	65 - 127
4-Methyl-2-pentanone (MIBK)	125	139		ug/L		111	71 - 125
Acetone	125	143		ug/L		114	56 - 142
Benzene	25.0	24.1		ug/L		96	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	24.9		ug/L		99	80 - 122
Bromoform	25.0	30.4		ug/L		121	61 - 132
Bromomethane	25.0	24.5		ug/L		98	55 - 144
Carbon disulfide	25.0	24.5		ug/L		98	59 - 134
Carbon tetrachloride	25.0	23.1		ug/L		92	72 - 134
Chlorobenzene	25.0	26.8		ug/L		107	80 - 120
Chlorodibromomethane	25.0	27.6		ug/L		111	75 - 125
Chloroethane	25.0	24.2		ug/L		97	69 - 136
Chloroform	25.0	23.0		ug/L		92	73 - 127
Chloromethane	25.0	23.8		ug/L		95	68 - 124
cis-1,2-Dichloroethene	25.0	23.9		ug/L		96	74 - 124
cis-1,3-Dichloropropene	25.0	25.4		ug/L		102	74 - 124
Dichlorodifluoromethane	25.0	18.4		ug/L		74	59 - 135
Ethylbenzene	25.0	26.0		ug/L		104	77 - 123
Hexachlorobutadiene	25.0	27.7		ug/L		111	68 - 131
Isopropylbenzene	25.0	24.7		ug/L		99	77 - 122
Methyl tert-butyl ether	25.0	25.9		ug/L		103	77 - 120
Methylene Chloride	25.0	26.2		ug/L		105	75 - 124
m-Xylene & p-Xylene	25.0	26.2		ug/L		105	76 - 122

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

Lab Sample ID: LCS 480-522507/5
Matrix: Water
Analysis Batch: 522507

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	29.2		ug/L		117	66 - 125
n-Butylbenzene	25.0	25.7		ug/L		103	71 - 128
N-Propylbenzene	25.0	24.5		ug/L		98	75 - 127
o-Chlorotoluene	25.0	25.2		ug/L		101	76 - 121
o-Xylene	25.0	26.9		ug/L		108	76 - 122
p-Chlorotoluene	25.0	25.8		ug/L		103	77 - 121
p-Cymene	25.0	25.9		ug/L		104	73 - 120
sec-Butylbenzene	25.0	24.9		ug/L		100	74 - 127
Styrene	25.0	27.5		ug/L		110	80 - 120
tert-Butylbenzene	25.0	25.1		ug/L		100	75 - 123
Tetrachloroethene	25.0	27.0		ug/L		108	74 - 122
Toluene	25.0	26.0		ug/L		104	80 - 122
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	73 - 127
trans-1,3-Dichloropropene	25.0	28.3		ug/L		113	80 - 120
Trichloroethene	25.0	23.0		ug/L		92	74 - 123
Trichlorofluoromethane	25.0	22.6		ug/L		90	62 - 150
Vinyl acetate	50.0	54.9		ug/L		110	50 - 144
Vinyl chloride	25.0	23.5		ug/L		94	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: 480-167610-17 MS
Matrix: Water
Analysis Batch: 522507

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	4950		ug/L		99	80 - 120
1,1,1-Trichloroethane	ND		5000	4300		ug/L		86	73 - 126
1,1,2,2-Tetrachloroethane	ND		5000	5070		ug/L		101	76 - 120
1,1,2-Trichloroethane	ND		5000	5260		ug/L		105	76 - 122
1,1-Dichloroethane	ND		5000	4760		ug/L		95	77 - 120
1,1-Dichloroethene	ND		5000	4530		ug/L		91	66 - 127
1,1-Dichloropropene	ND		5000	4400		ug/L		88	72 - 122
1,2,3-Trichlorobenzene	ND		5000	5710		ug/L		114	75 - 123
1,2,3-Trichloropropane	ND		5000	4780		ug/L		96	68 - 122
1,2,4-Trichlorobenzene	130	J	5000	5560		ug/L		109	79 - 122
1,2,4-Trimethylbenzene	ND		5000	4880		ug/L		98	76 - 121
1,2-Dibromo-3-Chloropropane	ND		5000	5070		ug/L		101	56 - 134
1,2-Dibromoethane	ND		5000	5250		ug/L		105	77 - 120
1,2-Dichlorobenzene	5500		5000	9950		ug/L		89	80 - 124
1,2-Dichloroethane	ND		5000	4640		ug/L		93	75 - 120
1,2-Dichloropropane	ND		5000	5100		ug/L		102	76 - 120
1,3,5-Trimethylbenzene	ND		5000	4890		ug/L		98	77 - 121
1,3-Dichlorobenzene	1200		5000	5950		ug/L		96	77 - 120

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

Lab Sample ID: 480-167610-17 MS
Matrix: Water
Analysis Batch: 522507

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
1,3-Dichloropropane	ND		5000	5230		ug/L		105	75 - 120
1,4-Dichlorobenzene	9300	F1	5000	13200	F1	ug/L		77	78 - 124
2,2-Dichloropropane	ND		5000	3960		ug/L		79	63 - 136
2-Butanone (MEK)	ND		25000	28400		ug/L		113	57 - 140
2-Chloroethyl vinyl ether	ND		5000	5360		ug/L		107	70 - 129
2-Hexanone	ND		25000	28800		ug/L		115	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		25000	27800		ug/L		111	71 - 125
Acetone	ND		25000	30000		ug/L		120	56 - 142
Benzene	270		5000	4900		ug/L		93	71 - 124
Bromobenzene	ND		5000	4920		ug/L		98	78 - 120
Bromochloromethane	ND		5000	4780		ug/L		96	72 - 130
Bromodichloromethane	ND		5000	4760		ug/L		95	80 - 122
Bromoform	ND		5000	5450		ug/L		109	61 - 132
Bromomethane	ND		5000	4820		ug/L		96	55 - 144
Carbon disulfide	ND		5000	4620		ug/L		92	59 - 134
Carbon tetrachloride	ND		5000	4310		ug/L		86	72 - 134
Chlorobenzene	5800		5000	9970		ug/L		83	80 - 120
Chlorodibromomethane	ND		5000	5230		ug/L		105	75 - 125
Chloroethane	ND		5000	4880		ug/L		98	69 - 136
Chloroform	ND		5000	4500		ug/L		90	73 - 127
Chloromethane	ND		5000	4750		ug/L		95	68 - 124
cis-1,2-Dichloroethene	ND		5000	4780		ug/L		96	74 - 124
cis-1,3-Dichloropropene	ND		5000	4870		ug/L		97	74 - 124
Dichlorodifluoromethane	ND		5000	3460		ug/L		69	59 - 135
Ethylbenzene	ND		5000	4910		ug/L		98	77 - 123
Hexachlorobutadiene	ND		5000	5360		ug/L		107	68 - 131
Isopropylbenzene	ND		5000	4730		ug/L		95	77 - 122
Methyl tert-butyl ether	ND		5000	4940		ug/L		99	77 - 120
Methylene Chloride	ND		5000	5040		ug/L		101	75 - 124
m-Xylene & p-Xylene	ND		5000	4920		ug/L		98	76 - 122
Naphthalene	ND		5000	5890		ug/L		118	66 - 125
n-Butylbenzene	ND		5000	4800		ug/L		96	71 - 128
N-Propylbenzene	ND		5000	4680		ug/L		94	75 - 127
o-Chlorotoluene	ND		5000	4900		ug/L		98	76 - 121
o-Xylene	ND		5000	5020		ug/L		100	76 - 122
p-Chlorotoluene	ND		5000	4950		ug/L		99	77 - 121
p-Cymene	ND		5000	4850		ug/L		97	73 - 120
sec-Butylbenzene	ND		5000	4710		ug/L		94	74 - 127
Styrene	ND		5000	5270		ug/L		105	80 - 120
tert-Butylbenzene	ND		5000	4910		ug/L		98	75 - 123
Tetrachloroethene	ND		5000	5050		ug/L		101	74 - 122
Toluene	ND		5000	4960		ug/L		99	80 - 122
trans-1,2-Dichloroethene	ND		5000	4810		ug/L		96	73 - 127
trans-1,3-Dichloropropene	ND		5000	5250		ug/L		105	80 - 120
Trichloroethene	ND		5000	4500		ug/L		90	74 - 123
Trichlorofluoromethane	ND		5000	4550		ug/L		91	62 - 150
Vinyl acetate	ND		10000	10100		ug/L		101	50 - 144
Vinyl chloride	ND		5000	4760		ug/L		95	65 - 133

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

Lab Sample ID: 480-167610-17 MS
Matrix: Water
Analysis Batch: 522507

Client Sample ID: OW-18A
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*93*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 480-167610-17 MSD
Matrix: Water
Analysis Batch: 522507

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	5100		ug/L		102	80 - 120	3	20
1,1,1-Trichloroethane	ND		5000	4160		ug/L		83	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		5000	5170		ug/L		103	76 - 120	2	15
1,1,2-Trichloroethane	ND		5000	5120		ug/L		102	76 - 122	3	15
1,1-Dichloroethane	ND		5000	4640		ug/L		93	77 - 120	3	20
1,1-Dichloroethene	ND		5000	4330		ug/L		87	66 - 127	5	16
1,1-Dichloropropene	ND		5000	4270		ug/L		85	72 - 122	3	20
1,2,3-Trichlorobenzene	ND		5000	5700		ug/L		114	75 - 123	0	20
1,2,3-Trichloropropane	ND		5000	5020		ug/L		100	68 - 122	5	14
1,2,4-Trichlorobenzene	130	J	5000	5440		ug/L		106	79 - 122	2	20
1,2,4-Trimethylbenzene	ND		5000	4840		ug/L		97	76 - 121	1	20
1,2-Dibromo-3-Chloropropane	ND		5000	4970		ug/L		99	56 - 134	2	15
1,2-Dibromoethane	ND		5000	5250		ug/L		105	77 - 120	0	15
1,2-Dichlorobenzene	5500		5000	9730		ug/L		85	80 - 124	2	20
1,2-Dichloroethane	ND		5000	4540		ug/L		91	75 - 120	2	20
1,2-Dichloropropane	ND		5000	4890		ug/L		98	76 - 120	4	20
1,3,5-Trimethylbenzene	ND		5000	4760		ug/L		95	77 - 121	3	20
1,3-Dichlorobenzene	1200		5000	5980		ug/L		96	77 - 120	1	20
1,3-Dichloropropane	ND		5000	5230		ug/L		105	75 - 120	0	20
1,4-Dichlorobenzene	9300	F1	5000	13100	F1	ug/L		76	78 - 124	0	20
2,2-Dichloropropane	ND		5000	3820		ug/L		76	63 - 136	4	20
2-Butanone (MEK)	ND		25000	27300		ug/L		109	57 - 140	4	20
2-Chloroethyl vinyl ether	ND		5000	5390		ug/L		108	70 - 129	1	20
2-Hexanone	ND		25000	28300		ug/L		113	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	ND		25000	27800		ug/L		111	71 - 125	0	35
Acetone	ND		25000	29100		ug/L		117	56 - 142	3	15
Benzene	270		5000	4750		ug/L		89	71 - 124	3	13
Bromobenzene	ND		5000	4860		ug/L		97	78 - 120	1	15
Bromochloromethane	ND		5000	4900		ug/L		98	72 - 130	2	15
Bromodichloromethane	ND		5000	4640		ug/L		93	80 - 122	3	15
Bromoform	ND		5000	5550		ug/L		111	61 - 132	2	15
Bromomethane	ND		5000	4530		ug/L		91	55 - 144	6	15
Carbon disulfide	ND		5000	4450		ug/L		89	59 - 134	4	15
Carbon tetrachloride	ND		5000	4040		ug/L		81	72 - 134	6	15
Chlorobenzene	5800		5000	9990		ug/L		84	80 - 120	0	25
Chlorodibromomethane	ND		5000	5140		ug/L		103	75 - 125	2	15
Chloroethane	ND		5000	4590		ug/L		92	69 - 136	6	15
Chloroform	ND		5000	4300		ug/L		86	73 - 127	5	20

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

Lab Sample ID: 480-167610-17 MSD
Matrix: Water
Analysis Batch: 522507

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
Chloromethane	ND		5000	4500		ug/L		90	68 - 124	5	15
cis-1,2-Dichloroethene	ND		5000	4520		ug/L		90	74 - 124	6	15
cis-1,3-Dichloropropene	ND		5000	4890		ug/L		98	74 - 124	0	15
Dichlorodifluoromethane	ND		5000	3410		ug/L		68	59 - 135	2	20
Ethylbenzene	ND		5000	4850		ug/L		97	77 - 123	1	15
Hexachlorobutadiene	ND		5000	5260		ug/L		105	68 - 131	2	20
Isopropylbenzene	ND		5000	4670		ug/L		93	77 - 122	1	20
Methyl tert-butyl ether	ND		5000	4920		ug/L		98	77 - 120	1	37
Methylene Chloride	ND		5000	4950		ug/L		99	75 - 124	2	15
m-Xylene & p-Xylene	ND		5000	4950		ug/L		99	76 - 122	1	16
Naphthalene	ND		5000	5740		ug/L		115	66 - 125	3	20
n-Butylbenzene	ND		5000	4700		ug/L		94	71 - 128	2	15
N-Propylbenzene	ND		5000	4650		ug/L		93	75 - 127	1	15
o-Chlorotoluene	ND		5000	4690		ug/L		94	76 - 121	4	20
o-Xylene	ND		5000	5010		ug/L		100	76 - 122	0	16
p-Chlorotoluene	ND		5000	4840		ug/L		97	77 - 121	2	15
p-Cymene	ND		5000	4790		ug/L		96	73 - 120	1	20
sec-Butylbenzene	ND		5000	4660		ug/L		93	74 - 127	1	15
Styrene	ND		5000	5250		ug/L		105	80 - 120	0	20
tert-Butylbenzene	ND		5000	4870		ug/L		97	75 - 123	1	15
Tetrachloroethene	ND		5000	4990		ug/L		100	74 - 122	1	20
Toluene	ND		5000	4820		ug/L		96	80 - 122	3	15
trans-1,2-Dichloroethene	ND		5000	4580		ug/L		92	73 - 127	5	20
trans-1,3-Dichloropropene	ND		5000	5150		ug/L		103	80 - 120	2	15
Trichloroethene	ND		5000	4400		ug/L		88	74 - 123	2	16
Trichlorofluoromethane	ND		5000	4390		ug/L		88	62 - 150	4	20
Vinyl acetate	ND		10000	10200		ug/L		102	50 - 144	1	23
Vinyl chloride	ND		5000	4590		ug/L		92	65 - 133	4	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Dibromofluoromethane (Surr)	*92*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 480-522523/8
Matrix: Water
Analysis Batch: 522523

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			03/22/20 09:42	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/20 09:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/20 09:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/20 09:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/20 09:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/20 09:42	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/22/20 09:42	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/20 09:42	1

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

Lab Sample ID: MB 480-522523/8
Matrix: Water
Analysis Batch: 522523

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			03/22/20 09:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/20 09:42	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/20 09:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/20 09:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/20 09:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/20 09:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/20 09:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/20 09:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/20 09:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/20 09:42	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/22/20 09:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/20 09:42	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/22/20 09:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/20 09:42	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			03/22/20 09:42	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/20 09:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/20 09:42	1
Acetone	ND		10	3.0	ug/L			03/22/20 09:42	1
Benzene	ND		1.0	0.41	ug/L			03/22/20 09:42	1
Bromobenzene	ND		1.0	0.80	ug/L			03/22/20 09:42	1
Bromochloromethane	ND		1.0	0.87	ug/L			03/22/20 09:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/20 09:42	1
Bromoform	ND		1.0	0.26	ug/L			03/22/20 09:42	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/20 09:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/20 09:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/20 09:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/20 09:42	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/22/20 09:42	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/20 09:42	1
Chloroform	ND		1.0	0.34	ug/L			03/22/20 09:42	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/20 09:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/20 09:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/20 09:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/20 09:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/20 09:42	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			03/22/20 09:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/20 09:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/20 09:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/20 09:42	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			03/22/20 09:42	1
Naphthalene	ND		1.0	0.43	ug/L			03/22/20 09:42	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/22/20 09:42	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/20 09:42	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			03/22/20 09:42	1
o-Xylene	ND		1.0	0.76	ug/L			03/22/20 09:42	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			03/22/20 09:42	1
p-Cymene	ND		1.0	0.31	ug/L			03/22/20 09:42	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/22/20 09:42	1
Styrene	ND		1.0	0.73	ug/L			03/22/20 09:42	1

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

Lab Sample ID: MB 480-522523/8
Matrix: Water
Analysis Batch: 522523

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/22/20 09:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/20 09:42	1
Toluene	ND		1.0	0.51	ug/L			03/22/20 09:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/20 09:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/20 09:42	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/20 09:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/20 09:42	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/22/20 09:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/20 09:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*03/22/20 09:42*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*03/22/20 09:42*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*03/22/20 09:42*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/22/20 09:42*	*1*

Lab Sample ID: LCS 480-522523/5
Matrix: Water
Analysis Batch: 522523

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	24.8		ug/L		99	80 - 120
1,1,1-Trichloroethane	25.0	22.1		ug/L		88	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.9		ug/L		100	76 - 120
1,1,2-Trichloroethane	25.0	25.3		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	23.9		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	22.8		ug/L		91	66 - 127
1,1-Dichloropropene	25.0	22.4		ug/L		90	72 - 122
1,2,3-Trichlorobenzene	25.0	25.7		ug/L		103	75 - 123
1,2,3-Trichloropropane	25.0	23.5		ug/L		94	68 - 122
1,2,4-Trichlorobenzene	25.0	25.6		ug/L		102	79 - 122
1,2,4-Trimethylbenzene	25.0	24.2		ug/L		97	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	24.6		ug/L		98	56 - 134
1,2-Dibromoethane	25.0	25.5		ug/L		102	77 - 120
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	23.1		ug/L		92	75 - 120
1,2-Dichloropropane	25.0	25.6		ug/L		102	76 - 120
1,3,5-Trimethylbenzene	25.0	23.9		ug/L		96	77 - 121
1,3-Dichlorobenzene	25.0	24.3		ug/L		97	77 - 120
1,3-Dichloropropane	25.0	24.9		ug/L		100	75 - 120
1,4-Dichlorobenzene	25.0	24.8		ug/L		99	80 - 120
2,2-Dichloropropane	25.0	22.3		ug/L		89	63 - 136
2-Butanone (MEK)	125	128		ug/L		103	57 - 140
2-Chloroethyl vinyl ether	25.0	26.0		ug/L		104	70 - 129
2-Hexanone	125	131		ug/L		105	65 - 127
4-Methyl-2-pentanone (MIBK)	125	132		ug/L		106	71 - 125
Acetone	125	138		ug/L		110	56 - 142
Benzene	25.0	23.6		ug/L		94	71 - 124

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

Lab Sample ID: LCS 480-522523/5
Matrix: Water
Analysis Batch: 522523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	25.0	23.8		ug/L		95	78 - 120
Bromochloromethane	25.0	24.0		ug/L		96	72 - 130
Bromodichloromethane	25.0	24.4		ug/L		98	80 - 122
Bromoform	25.0	30.3		ug/L		121	61 - 132
Bromomethane	25.0	24.5		ug/L		98	55 - 144
Carbon disulfide	25.0	23.7		ug/L		95	59 - 134
Carbon tetrachloride	25.0	22.6		ug/L		90	72 - 134
Chlorobenzene	25.0	25.3		ug/L		101	80 - 120
Chlorodibromomethane	25.0	26.6		ug/L		107	75 - 125
Chloroethane	25.0	24.1		ug/L		96	69 - 136
Chloroform	25.0	22.5		ug/L		90	73 - 127
Chloromethane	25.0	24.9		ug/L		100	68 - 124
cis-1,2-Dichloroethene	25.0	23.4		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	24.8		ug/L		99	74 - 124
Dichlorodifluoromethane	25.0	22.1		ug/L		88	59 - 135
Ethylbenzene	25.0	24.2		ug/L		97	77 - 123
Hexachlorobutadiene	25.0	25.1		ug/L		100	68 - 131
Isopropylbenzene	25.0	23.4		ug/L		94	77 - 122
Methyl tert-butyl ether	25.0	24.9		ug/L		100	77 - 120
Methylene Chloride	25.0	25.1		ug/L		100	75 - 124
m-Xylene & p-Xylene	25.0	24.6		ug/L		98	76 - 122
Naphthalene	25.0	25.9		ug/L		104	66 - 125
n-Butylbenzene	25.0	24.1		ug/L		96	71 - 128
N-Propylbenzene	25.0	23.6		ug/L		94	75 - 127
o-Chlorotoluene	25.0	23.8		ug/L		95	76 - 121
o-Xylene	25.0	25.3		ug/L		101	76 - 122
p-Chlorotoluene	25.0	24.3		ug/L		97	77 - 121
p-Cymene	25.0	24.2		ug/L		97	73 - 120
sec-Butylbenzene	25.0	24.0		ug/L		96	74 - 127
Styrene	25.0	25.7		ug/L		103	80 - 120
tert-Butylbenzene	25.0	23.8		ug/L		95	75 - 123
Tetrachloroethene	25.0	25.4		ug/L		102	74 - 122
Toluene	25.0	24.2		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	26.4		ug/L		105	80 - 120
Trichloroethene	25.0	23.0		ug/L		92	74 - 123
Trichlorofluoromethane	25.0	24.0		ug/L		96	62 - 150
Vinyl acetate	50.0	52.2		ug/L		104	50 - 144
Vinyl chloride	25.0	24.3		ug/L		97	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Dibromofluoromethane (Surr)	*93*		*75 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 480-522531/7
Matrix: Water
Analysis Batch: 522531

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			03/22/20 20:29	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/20 20:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/20 20:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/20 20:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/20 20:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/20 20:29	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/22/20 20:29	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/20 20:29	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/22/20 20:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/20 20:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/20 20:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/20 20:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/20 20:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/20 20:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/20 20:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/20 20:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/20 20:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/20 20:29	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/22/20 20:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/20 20:29	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/22/20 20:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/20 20:29	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			03/22/20 20:29	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/20 20:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/20 20:29	1
Acetone	ND		10	3.0	ug/L			03/22/20 20:29	1
Benzene	ND		1.0	0.41	ug/L			03/22/20 20:29	1
Bromobenzene	ND		1.0	0.80	ug/L			03/22/20 20:29	1
Bromochloromethane	ND		1.0	0.87	ug/L			03/22/20 20:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/20 20:29	1
Bromoform	ND		1.0	0.26	ug/L			03/22/20 20:29	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/20 20:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/20 20:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/20 20:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/20 20:29	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			03/22/20 20:29	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/20 20:29	1
Chloroform	ND		1.0	0.34	ug/L			03/22/20 20:29	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/20 20:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/20 20:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/20 20:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/20 20:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/20 20:29	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			03/22/20 20:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/20 20:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/20 20:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/20 20:29	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			03/22/20 20:29	1

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

Lab Sample ID: MB 480-522531/7
Matrix: Water
Analysis Batch: 522531

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			03/22/20 20:29	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/22/20 20:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/20 20:29	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			03/22/20 20:29	1
o-Xylene	ND		1.0	0.76	ug/L			03/22/20 20:29	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			03/22/20 20:29	1
p-Cymene	ND		1.0	0.31	ug/L			03/22/20 20:29	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/22/20 20:29	1
Styrene	ND		1.0	0.73	ug/L			03/22/20 20:29	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/22/20 20:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/20 20:29	1
Toluene	ND		1.0	0.51	ug/L			03/22/20 20:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/20 20:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/20 20:29	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/20 20:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/20 20:29	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/22/20 20:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/20 20:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*03/22/20 20:29*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*03/22/20 20:29*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*03/22/20 20:29*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*03/22/20 20:29*	*1*

Lab Sample ID: LCS 480-522531/5
Matrix: Water
Analysis Batch: 522531

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	26.0		ug/L		104	80 - 120
1,1,1-Trichloroethane	25.0	25.1		ug/L		101	73 - 126
1,1,2,2-Tetrachloroethane	25.0	28.5		ug/L		114	76 - 120
1,1,2-Trichloroethane	25.0	28.5		ug/L		114	76 - 122
1,1-Dichloroethane	25.0	25.8		ug/L		103	77 - 120
1,1-Dichloroethene	25.0	28.1		ug/L		112	66 - 127
1,1-Dichloropropene	25.0	27.7		ug/L		111	72 - 122
1,2,3-Trichlorobenzene	25.0	27.5		ug/L		110	75 - 123
1,2,3-Trichloropropane	25.0	27.0		ug/L		108	68 - 122
1,2,4-Trichlorobenzene	25.0	27.5		ug/L		110	79 - 122
1,2,4-Trimethylbenzene	25.0	27.9		ug/L		112	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	24.1		ug/L		97	56 - 134
1,2-Dibromoethane	25.0	27.1		ug/L		108	77 - 120
1,2-Dichlorobenzene	25.0	27.1		ug/L		108	80 - 124
1,2-Dichloroethane	25.0	21.4		ug/L		86	75 - 120
1,2-Dichloropropane	25.0	28.3		ug/L		113	76 - 120
1,3,5-Trimethylbenzene	25.0	28.1		ug/L		112	77 - 121
1,3-Dichlorobenzene	25.0	27.4		ug/L		109	77 - 120

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

Lab Sample ID: LCS 480-522531/5
Matrix: Water
Analysis Batch: 522531

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	27.7		ug/L		111	75 - 120
1,4-Dichlorobenzene	25.0	26.9		ug/L		108	80 - 120
2,2-Dichloropropane	25.0	25.0		ug/L		100	63 - 136
2-Butanone (MEK)	125	112		ug/L		90	57 - 140
2-Chloroethyl vinyl ether	25.0	32.6	*	ug/L		130	70 - 129
2-Hexanone	125	121		ug/L		96	65 - 127
4-Methyl-2-pentanone (MIBK)	125	119		ug/L		95	71 - 125
Acetone	125	105		ug/L		84	56 - 142
Benzene	25.0	28.0		ug/L		112	71 - 124
Bromobenzene	25.0	27.3		ug/L		109	78 - 120
Bromochloromethane	25.0	26.0		ug/L		104	72 - 130
Bromodichloromethane	25.0	25.2		ug/L		101	80 - 122
Bromoform	25.0	25.7		ug/L		103	61 - 132
Bromomethane	25.0	24.0		ug/L		96	55 - 144
Carbon disulfide	25.0	29.2		ug/L		117	59 - 134
Carbon tetrachloride	25.0	25.3		ug/L		101	72 - 134
Chlorobenzene	25.0	27.3		ug/L		109	80 - 120
Chlorodibromomethane	25.0	25.5		ug/L		102	75 - 125
Chloroethane	25.0	20.7		ug/L		83	69 - 136
Chloroform	25.0	24.3		ug/L		97	73 - 127
Chloromethane	25.0	19.8		ug/L		79	68 - 124
cis-1,2-Dichloroethene	25.0	26.9		ug/L		108	74 - 124
cis-1,3-Dichloropropene	25.0	27.6		ug/L		111	74 - 124
Dichlorodifluoromethane	25.0	19.9		ug/L		80	59 - 135
Ethylbenzene	25.0	27.8		ug/L		111	77 - 123
Hexachlorobutadiene	25.0	30.8		ug/L		123	68 - 131
Isopropylbenzene	25.0	28.5		ug/L		114	77 - 122
Methyl tert-butyl ether	25.0	24.9		ug/L		99	77 - 120
Methylene Chloride	25.0	27.4		ug/L		110	75 - 124
m-Xylene & p-Xylene	25.0	27.6		ug/L		110	76 - 122
Naphthalene	25.0	27.2		ug/L		109	66 - 125
n-Butylbenzene	25.0	29.2		ug/L		117	71 - 128
N-Propylbenzene	25.0	28.8		ug/L		115	75 - 127
o-Chlorotoluene	25.0	27.5		ug/L		110	76 - 121
o-Xylene	25.0	27.3		ug/L		109	76 - 122
p-Chlorotoluene	25.0	27.1		ug/L		108	77 - 121
p-Cymene	25.0	28.7		ug/L		115	73 - 120
sec-Butylbenzene	25.0	29.2		ug/L		117	74 - 127
Styrene	25.0	28.0		ug/L		112	80 - 120
tert-Butylbenzene	25.0	28.0		ug/L		112	75 - 123
Tetrachloroethene	25.0	28.7		ug/L		115	74 - 122
Toluene	25.0	28.4		ug/L		114	80 - 122
trans-1,2-Dichloroethene	25.0	27.4		ug/L		110	73 - 127
trans-1,3-Dichloropropene	25.0	27.1		ug/L		108	80 - 120
Trichloroethene	25.0	27.3		ug/L		109	74 - 123
Trichlorofluoromethane	25.0	25.0		ug/L		100	62 - 150
Vinyl acetate	50.0	49.2		ug/L		98	50 - 144
Vinyl chloride	25.0	23.7		ug/L		95	65 - 133

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

Lab Sample ID: LCS 480-522531/5
Matrix: Water
Analysis Batch: 522531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	94		75 - 123
Toluene-d8 (Surr)	106		80 - 120

GC/MS VOA

Analysis Batch: 522503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167610-3	OW-15A	Total/NA	Water	8260C	
480-167610-4	OW-28B	Total/NA	Water	8260C	
480-167610-5	MW-4B	Total/NA	Water	8260C	
480-167610-6	MW-4C	Total/NA	Water	8260C	
480-167610-7	OW-5B	Total/NA	Water	8260C	
480-167610-8	OW-105B	Total/NA	Water	8260C	
480-167610-10	OW-7B	Total/NA	Water	8260C	
480-167610-11	OW-8B	Total/NA	Water	8260C	
480-167610-13	OW-30B	Total/NA	Water	8260C	
480-167610-14	MW-5A	Total/NA	Water	8260C	
MB 480-522503/7	Method Blank	Total/NA	Water	8260C	
LCS 480-522503/5	Lab Control Sample	Total/NA	Water	8260C	
480-167610-6 MS	MW-4C	Total/NA	Water	8260C	
480-167610-6 MSD	MW-4C	Total/NA	Water	8260C	

Analysis Batch: 522507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167610-17	OW-18A	Total/NA	Water	8260C	
480-167610-18	OW-12B	Total/NA	Water	8260C	
480-167610-19	OW-9A	Total/NA	Water	8260C	
480-167610-21	OW-16A	Total/NA	Water	8260C	
480-167610-23	TRIP BLANK	Total/NA	Water	8260C	
MB 480-522507/7	Method Blank	Total/NA	Water	8260C	
LCS 480-522507/5	Lab Control Sample	Total/NA	Water	8260C	
480-167610-17 MS	OW-18A	Total/NA	Water	8260C	
480-167610-17 MSD	OW-18A	Total/NA	Water	8260C	

Analysis Batch: 522523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167610-18 - DL	OW-12B	Total/NA	Water	8260C	
480-167610-20	OW-27B	Total/NA	Water	8260C	
480-167610-22	OW-13B	Total/NA	Water	8260C	
MB 480-522523/8	Method Blank	Total/NA	Water	8260C	
LCS 480-522523/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 522531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-167610-1	OW-113B	Total/NA	Water	8260C	
480-167610-2	OW-29B	Total/NA	Water	8260C	
480-167610-9	OW-6B	Total/NA	Water	8260C	
480-167610-12	OW-26B	Total/NA	Water	8260C	
480-167610-15	MW-5C	Total/NA	Water	8260C	
480-167610-16	MW-5CD	Total/NA	Water	8260C	
MB 480-522531/7	Method Blank	Total/NA	Water	8260C	
LCS 480-522531/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

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

Job ID: 480-167610-1

Client Sample ID: OW-113B
Date Collected: 03/18/20 10:30
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	522531	03/22/20 22:21	CRL	TAL BUF

Client Sample ID: OW-29B
Date Collected: 03/18/20 10:10
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	522531	03/22/20 22:44	CRL	TAL BUF

Client Sample ID: OW-15A
Date Collected: 03/18/20 10:30
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	522503	03/21/20 14:50	CDC	TAL BUF

Client Sample ID: OW-28B
Date Collected: 03/18/20 10:40
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	522503	03/21/20 15:13	CDC	TAL BUF

Client Sample ID: MW-4B
Date Collected: 03/18/20 10:55
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	522503	03/21/20 15:37	CDC	TAL BUF

Client Sample ID: MW-4C
Date Collected: 03/18/20 11:30
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		400	522503	03/21/20 16:00	CDC	TAL BUF

Client Sample ID: OW-5B
Date Collected: 03/18/20 13:00
Date Received: 03/19/20 15:58

Lab Sample ID: 480-167610-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	522503	03/21/20 16:24	CDC	TAL BUF

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 480-167610-1
Project/Site: Solvent Chemical Semi-annual Monitoring

Client Sample ID: OW-105B
Lab Sample ID: 480-167610-8
Date Collected: 03/18/20 14:00
Matrix: Water
Date Received: 03/19/20 15:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	522503	03/21/20 16:47	CDC	TAL BUF

Client Sample ID: OW-6B
Lab Sample ID: 480-167610-9
Date Collected: 03/18/20 11:55
Matrix: Water
Date Received: 03/19/20 15:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	522531	03/22/20 23:07	CRL	TAL BUF

Client Sample ID: OW-7B
Lab Sample ID: 480-167610-10
Date Collected: 03/18/20 12:10
Matrix: Water
Date Received: 03/19/20 15:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	522503	03/21/20 17:33	CDC	TAL BUF

Client Sample ID: OW-8B
Lab Sample ID: 480-167610-11
Date Collected: 03/18/20 12:30
Matrix: Water
Date Received: 03/19/20 15:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	522503	03/21/20 17:56	CDC	TAL BUF

Client Sample ID: OW-26B
Lab Sample ID: 480-167610-12
Date Collected: 03/17/20 09:30
Matrix: Water
Date Received: 03/19/20 15:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	522531	03/22/20 23:31	CRL	TAL BUF

Client Sample ID: OW-30B
Lab Sample ID: 480-167610-13
Date Collected: 03/17/20 09:45
Matrix: Water
Date Received: 03/19/20 15:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	522503	03/21/20 18:42	CDC	TAL BUF

Client Sample ID: MW-5A
Lab Sample ID: 480-167610-14
Date Collected: 03/17/20 10:00
Matrix: Water
Date Received: 03/19/20 15:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	522503	03/21/20 19:05	CDC	TAL BUF

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 480-167610-1
Project/Site: Solvent Chemical Semi-annual Monitoring

Client Sample ID: MW-5C
Lab Sample ID: 480-167610-15
Date Collected: 03/17/20 10:10
Matrix: Water
Date Received: 03/19/20 15:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	522531	03/22/20 23:54	CRL	TAL BUF

Client Sample ID: MW-5CD
Lab Sample ID: 480-167610-16
Date Collected: 03/17/20 10:20
Matrix: Water
Date Received: 03/19/20 15:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	522531	03/23/20 00:17	CRL	TAL BUF

Client Sample ID: OW-18A
Lab Sample ID: 480-167610-17
Date Collected: 03/18/20 13:45
Matrix: Water
Date Received: 03/19/20 15:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	522507	03/21/20 18:00	AMM	TAL BUF

Client Sample ID: OW-12B
Lab Sample ID: 480-167610-18
Date Collected: 03/18/20 10:55
Matrix: Water
Date Received: 03/19/20 15:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	522507	03/21/20 18:23	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	20	522523	03/22/20 10:40	AMM	TAL BUF

Client Sample ID: OW-9A
Lab Sample ID: 480-167610-19
Date Collected: 03/17/20 11:05
Matrix: Water
Date Received: 03/19/20 15:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	522507	03/21/20 18:46	AMM	TAL BUF

Client Sample ID: OW-27B
Lab Sample ID: 480-167610-20
Date Collected: 03/17/20 09:00
Matrix: Water
Date Received: 03/19/20 15:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	522523	03/22/20 11:03	AMM	TAL BUF

Client Sample ID: OW-16A
Lab Sample ID: 480-167610-21
Date Collected: 03/17/20 09:15
Matrix: Water
Date Received: 03/19/20 15:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	522507	03/21/20 19:32	AMM	TAL BUF

Lab Chronicle

Client: TRC Environmental Corporation
Job ID: 480-167610-1
Project/Site: Solvent Chemical Semi-annual Monitoring

Client Sample ID: OW-13B
Lab Sample ID: 480-167610-22
Date Collected: 03/17/20 09:30
Matrix: Water
Date Received: 03/19/20 15:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	522523	03/22/20 11:26	AMM	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-167610-23
Date Collected: 03/17/20 00:00
Matrix: Water
Date Received: 03/19/20 15:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	522507	03/21/20 20:18	AMM	TAL BUF

Laboratory References:
TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: TRC Environmental Corporation
Job ID: 480-167610-1
Project/Site: Solvent Chemical Semi-annual Monitoring

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-20

Method Summary

Client: TRC Environmental Corporation
Job ID: 480-167610-1
Project/Site: Solvent Chemical Semi-annual Monitoring

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 = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: TRC Environmental Corporation
Job ID: 480-167610-1
Project/Site: Solvent Chemical Semi-annual Monitoring

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-167610-1	OW-113B	Water	03/18/20 10:30	03/19/20 15:58	
480-167610-2	OW-29B	Water	03/18/20 10:10	03/19/20 15:58	
480-167610-3	OW-15A	Water	03/18/20 10:30	03/19/20 15:58	
480-167610-4	OW-28B	Water	03/18/20 10:40	03/19/20 15:58	
480-167610-5	MW-4B	Water	03/18/20 10:55	03/19/20 15:58	
480-167610-6	MW-4C	Water	03/18/20 11:30	03/19/20 15:58	
480-167610-7	OW-5B	Water	03/18/20 13:00	03/19/20 15:58	
480-167610-8	OW-105B	Water	03/18/20 14:00	03/19/20 15:58	
480-167610-9	OW-6B	Water	03/18/20 11:55	03/19/20 15:58	
480-167610-10	OW-7B	Water	03/18/20 12:10	03/19/20 15:58	
480-167610-11	OW-8B	Water	03/18/20 12:30	03/19/20 15:58	
480-167610-12	OW-26B	Water	03/17/20 09:30	03/19/20 15:58	
480-167610-13	OW-30B	Water	03/17/20 09:45	03/19/20 15:58	
480-167610-14	MW-5A	Water	03/17/20 10:00	03/19/20 15:58	
480-167610-15	MW-5C	Water	03/17/20 10:10	03/19/20 15:58	
480-167610-16	MW-5CD	Water	03/17/20 10:20	03/19/20 15:58	
480-167610-17	OW-18A	Water	03/18/20 13:45	03/19/20 15:58	
480-167610-18	OW-12B	Water	03/18/20 10:55	03/19/20 15:58	
480-167610-19	OW-9A	Water	03/17/20 11:05	03/19/20 15:58	
480-167610-20	OW-27B	Water	03/17/20 09:00	03/19/20 15:58	
480-167610-21	OW-16A	Water	03/17/20 09:15	03/19/20 15:58	
480-167610-22	OW-13B	Water	03/17/20 09:30	03/19/20 15:58	
480-167610-23	TRIP BLANK	Water	03/17/20 00:00	03/19/20 15:58	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Chris Rudzinski	Lab PM: Fischer, Brian J	Carrier Tracking No(s): Hand Deliver	COC No: 480-143547-25500.2
Client Contact: ~~Harrison Corbett~~ Mike Plumb	Phone: 978-758-4902	E-Mail: brian.fischer@testamericainc.com		Page: Page 2 of 2 CM 3/19/20
Company: TRC Solutions, Inc.		Analysis Requested		Job #:
Address: Wannalancit Mills 650 Suffolk Street Suite 200	Due Date Requested:			Preservation Codes:
City: Lowell	TAT Requested (days): Standard			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:
State, Zip: MA, 01854				
Phone: 978-656(Tel)	PO #: 143490			
Email: ~~HCorbett@trcompanies.com~~ mplumb@trccompanies.com CM 3/18/20	WO #: SEQ#1			
Project Name: Solvent Chemical Semi-annual Monitoring	Project #: 48002700			
Site:	SSOW#:			

480-167610 Chain of Custody

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 containe	Special Instructions/Note:
			Preservation Code:		X	X	N	X	
OW-113B	3/18/20	1030	G	Water	N	N	N	3	All Samples are "Unpreserved"
OW-29B	3/18/20	1010	G	Water	N	N	N	3	
OW-15A	3/18/20	1030	G	Water	N	N	N	3	
OW-28B	3/18/20	1040	G	Water	N	N	N	3	
MW-4B	3/18/20	1055	G	Water	N	N	N	3	
MW-4C	3/18/20	1130	G	Water	N	Y	N	6	MS/MSD
OW-5B	3/18/20	1300	G	Water	N	N	N	3	
OW-105B	3/18/20	1400	G	Water	N	N	N	2	
OW-6B	3/18/20	1155	G	Water	N	N	N	3	
OW-7B	3/18/20	1210	G	Water	N	N	N	3	
OW-8B	3/18/20	1230	G	Water	N	N	N	3	
TB-01	3/17/20	0700	Lab Prep					1	Trip Blank

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
	3/18/20 1558	TRC	Unknown Cirolp	03/18/20 1558	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.6 #1 ICE

Ver: 01/16/2019

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Chris Rudzinski	Lab PM: Fischer, Brian J	Carrier Tracking No(s): Hand Deliver	COC No: 480-143547-25500.1
Client Contact: ~~Harrison Corbett~~ Mike Plumb 3/18/20	Phone: 978-758-4902	E-Mail: brian.fischer@testamericainc.com		Page: Page 1 of 2 3/18/20
Company: TRC Solutions, Inc.				Job #:

Address: Wannalancit Mills 650 Suffolk Street Suite 200	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Lowell	TAT Requested (days): Standard		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:
State, Zip: MA, 01854			
Phone: 978-656(Tel)	PO #: 143490		
Email: ~~HCorbett@trccompanies.com~~ mplumb@trccompanies.com 3/18/20	WO #: SEQ#1		
Project Name: Solvent Chemical Semi-annual Monitoring	Project #: 48002700		
Site:	SSOW#:		

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:		X	X	N	X	
OW-26B	3/17/20	0930	G	Water	N	N	N	3	All Samples
OW-30B	3/17/20	0945	G	Water	N	N	N	3	are "Unpreserved"
MW-5A	3/17/20	1000	G	Water	N	N	N	3	
MW-5C	3/17/20	1010	G	Water	N	N	N	3	
MW-5CD	3/17/20	1020	G	Water	N	N	N	3	
~~MW-5F~~ OW-18A 3/18/20	3/18/20	1345	G	Water	N	Y	N	8	MS/MSD
OW-12B	3/17/20	1055	G	Water	N	N	N	3	
OW-9A	3/17/20	1105	G	Water	N	N	N	3	
OW-27B	3/18/20	0900	G	Water	N	N	N	3	
OW-16A	3/18/20	0915	G	Water	N	N	N	3	
OW-13B	3/18/20	0930	G	Water	N	N	N	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
	3/18/20 1558	TRC	Unknow Cirolb	03/18/20 1558	TA
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:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 480-167610-1

Login Number: 167610
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins TestAmerica, Buffalo

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	