



OPERATIONS, MAINTENANCE & MONITORING REPORT

SOLVENT CHEMICAL SITE, NIAGARA FALLS, NEW YORK

SITE #9-32-096

2nd Semi-Annual Report for 2019

Prepared for:

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September 2019

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1.0 INTRODUCTION

This report documents the Operations, Maintenance and Monitoring (OM&M) activities conducted during the 2nd semi-annual period for 2019 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 fulfill 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 2nd Semi-Annual Report for 2019 was approximately 9.77 million gallons. Appendix A provides tables of daily groundwater volumes and average flow rates from April 2019 through September 2019. Appendix B presents Solvent Chemical's Self-Monitoring Report submitted to the Niagara Falls' POTW for the 2nd Semi-Annual Report of two for 2019. 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
4/1/19	Performed monthly tasks.
4/10/19	Replacement of transfer pump from oil/water separator.
4/12/19	Repaired pump in PW-7B and level switches.
4/16/19	Repaired pump 401.
4/18/19	Two level switches replaced.
5/1/19	Performed monthly tasks
5/2/19	Repaired steam boiler, bailed MW-6C
5/9/19	Repaired PW-2B pump and cleaned screen.
5/24/19	Cleaned air stripper sight glass level switches for discharge pump.
5/29/19	Repaired discharge pump 401.
5/30/19	Completed work on meters, bailed MW-6C and cleaned PW-2B level switch.
6/7/19	Replaced sight glass on air stripper, troubleshooting PW-2B.
6/10/19	Troubleshooting boiler.
7/8/2019	Pulled and cleaned pump for PW-5B.
7/10/19	Cleaned meter for PW-2B.
7/12/19	Replaced air stripper media.
8/2/19	Troubleshooting TW-2A and TW-4A.
8/5/19	Cleaned TW-4A Pump, replaced level switch and transducer.
8/9/19	Checked pump for TW-2A and cleaned level switch.
8/12/19	Connect pipes, power wash, clean, and acid treat pump for PW-2B.
8/13/19	Pulled pump for PW-6B. Pump cleaned, acid treated, given new motor wire, and installed.
8/14/19	Handhole wires cleaned for PW-6B.

Date	Maintenance Action Taken
8/19/19	Troubleshooting PW-6B.
8/21/19	Replaced PW-6B AC drive.
8/29/19	PW-6B Level switches cleaned and starter adjusted.
9/4/19	Sample bags placed in 1F, 5F, 6F.

2.2.1 Annual System Maintenance

Shut down for annual system maintenance scheduled during 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 September 24, 2019. Table 2.1 provides the recorded ground water depths and their corresponding ground water elevations (referenced to Benchmark J20, Niagara Falls City Datum).

3.1.1 Overburden Ground Water Control and Collection System

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

3.1.2 Bedrock Ground Water Control

Figures 2 and 3 present water level contours for both the Solvent and Hot Spot Sites based on measurements taken on September 24, 2019, 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 September 26, 2019.

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.

In addition, non-routine groundwater samples were collected for Emerging Contaminants, as defined in the *Emerging Contaminant Sampling Workplan* (Workplan), dated April 19, 2019 and approved by NYSDEC on July 8, 2019. These samples were analyzed for 1,4-Dioxane and per- and polyfluoroalkyl substances (PFAS) analysis.

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
- 4.4 Emerging Contaminants - September 2019

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-four monitoring/observation wells (nine A-zone wells, twenty B-zone wells, three C-zone wells, and two CD-zone wells) following sample collection in March of 2019. PDBs were installed in the three F-zone wells on September 4, 2019. 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, but there was not enough product to measure.

4.4 Emerging Contaminants – September 2019

In 2019, NYSDEC requested an evaluation for potential emerging containments at the Site. In accordance with the approved Workplan, samples were collected from monitoring wells and analyzed for 1,4-dioxane and PFAS analysis.

Table 4.2 presents the results of the sampling event in the A and B zones.

As described in the Workplan, a total of 10 groundwater samples were collected as follows:

A-Zone Groundwater Wells

- MW-2A
- MW-6A
- OW-27A
- OW-7A
- OW-18A

B-Zone Groundwater Wells

- MW-2B
- MW-6B
- OW-1B
- OW-27B
- OW-2B

Originally, well OW-18B was scheduled for sampling. However, well OW-18B was found to be obstructed, which is consistent with historical observations. On June 18, 2019 attempts were made to clear the well obstruction. A down-hole camera was deployed within the well in an attempt to identify the issue. From the camera inspection, it appears the PVC well riser may have shifted over time, preventing access to the lower portions of the well.

As stated in the Workplan, since OW-18B was not able to be sampled, OW-1B was used as the designated replacement. The samples taken at OW-18A and designated alternate OW-1B, are meant to be representative of Site conditions. The other wells sampled are meant to illustrate upgradient conditions for the Site. Inward facing groundwater gradients have been established along all Site property lines since active groundwater extraction began in July of 2004. Thus, all

of the wells sampled at the Site perimeter boundaries are considered representative of upgradient conditions.

Samples were collected using HydraSleeve™ samplers from wells OW-2B, OW-18A, and MW-2B. The remaining wells were found to have insufficient water column to facilitate sample collection via HydraSleeve™. Therefore, groundwater sample collection was performed using a peristaltic pump with HDPE tubing. At each of these wells, three well volumes were purged before sample collection. The only exception being well MW-2A, which had very slow groundwater level recovery and therefore was only purged of one well volume.

The groundwater samples were submitted to Test America, Inc. of Buffalo, NY for chemical analysis under chain of custody. The laboratory analyzed the samples for the NYSDEC designated PFAS Target Analyte List using modified EPA Method 537 and for 1,4 -Dioxane using Method 8270D via selected ion monitoring (SIM).

Figure 5 presents the September 2019 sampling results for the emerging contaminants. As this is the first round of testing for these compounds, the data do not support establishment of temporal trends. The data presented on Figure 5 illustrates a spatial distribution of the emerging contaminants, with generally higher concentrations along the southern, eastern and northern site boundaries; and relatively lower concentrations within the Site boundaries and along the western Site boundary.

The highest detected PFAS concentrations were generally found in wells located on the northern and southern site boundaries. Exceedances of U.S. EPA's Health Advisory for PFAS of 70 ug/L were detected in all but two groundwater monitoring wells.

Due to the inward hydraulic gradients maintained by the continued operation of the onsite groundwater extraction system since 2004, these detections are believed to be caused by offsite sources as the groundwater flows onto the Solvent property. Immediately to the south of the Solvent property is a large formerly active DuPont facility. To the north of the Solvent property exists a number of subsurface utilities, including the City sewer line which receives flow contributions from several large industrial facilities to the east, along Buffalo Avenue.

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.

5.1 Emerging Contaminants

Based on the groundwater sampling and analysis performed in accordance with the NYSDEC-approved Workplan, concentrations of the emerging contaminants PFAS and 1,4-dioxane were detected in groundwater beneath the Solvent property.

Exceedances of U.S. EPA's Health Advisory for PFAS of 70 ug/L were detected in all but two groundwater monitoring wells. In general, PFAS concentrations were found to be higher along the southern, eastern and northern property boundaries than within the central areas of the property. Given the inward gradients maintained by the onsite groundwater extraction system since 2004, the detected concentrations appear to be related to offsite sources.

1,4-Dioxane detections were limited to the eastern and northern property boundaries. No detections of 1,4-Dioxane in groundwater were identified within the central areas of the property nor along the southern, western and northern property boundaries.

Based on these results, there appears to be no further follow up action for Solvent Chemical relative to the emerging contaminants addressed in the completed sampling effort.

TABLES

TABLE 2.1 - GROUNDWATER ELEVATIONS
 SOLVENT CHEMICAL, 3163 BUFFALO AVENUE, NIAGARA FALLS, NEW YORK
 3RD QUARTER 2019

Monitoring Well No.	Reference Elevation (ft.)	9/24/2019 and 9/25/2019	
		DTW (ft)	Elevation (ft.)
A - Zone:			
MW-1A	572.45	9.28	563.17
MW-2A	572.16	11.87	560.29
MW-5A	570.56	10.40	560.16
MW-6A	573.28	10.05	563.23
OW-1A	570.46	7.64	562.82
OW-5A	573.05	DRY	DRY
OW-6A	572.10	9.82	562.28
OW-7A	574.00	11.87	562.13
OW-8A	572.82	10.39	562.43
OW-9A	574.13	12.85	561.28
OW-10A	568.29	DRY	DRY
OW-11A	575.26	12.28	562.98
OW-12A	575.41	11.65	563.76
OW-13A	574.95	14.46	560.49
OW-14A	575.21	12.72	562.49
OW-15A	569.19	7.28	561.91
OW-16A	572.05	9.80	562.25
OW-17A	567.85	DRY	DRY
OW-18A	575.87	11.80	564.07
OW-19A	572.89	9.52	563.37
OW-20A	572.62	DRY	DRY
OW-21A	569.33	DRY	DRY
OW-22A	570.68	12.43	558.25
OW-26A	570.63	DRY	DRY
OW-27A	570.34	9.13	561.21
OW-29A	573.14	9.91	563.23
TW-1A	569.19	8.30	560.89
TW-2A	569.72	8.20	561.52
TW-3A	571.16	12.66	558.50
TW-4A	569.82	10.25	559.57
TW-5A	569.33	6.36	562.97
B-Zone:			
MW-1B	572.44	9.33	563.11
MW-2B	572.46	14.05	558.41
MW-4B ⁽¹⁾	573.50	18.00	555.50
MW-5B	571.48	DRY	DRY
MW-6B	573.40	17.50	555.90
OW-1B	570.95	14.05	556.90
OW-2B	573.98	19.06	554.92
OW-3B	572.64	16.19	556.45
OW-4B	570.55	13.61	556.94
OW-5B	568.31	11.77	556.54
OW-6B	573.10	20.32	552.78
OW-7B	572.73	26.65	546.08
OW-8B	572.53	23.30	549.23
OW-10B	572.62	15.53	557.09
OW-11B	571.93	15.06	556.87
OW-12B	571.85	24.05	547.80
OW-13B	571.68	18.23	553.45
OW-14B ⁽¹⁾	570.87	14.13	556.74
OW-15B ⁽¹⁾	569.78	12.87	556.91
OW-18B ⁽²⁾	576.05	NM	-
OW-22B ⁽¹⁾	570.90	14.23	556.67
OW-23B ⁽¹⁾	569.67	13.07	556.60
OW-24B ⁽¹⁾	570.36	13.62	556.74

TABLE 2.1 - GROUNDWATER ELEVATIONS
 SOLVENT CHEMICAL, 3163 BUFFALO AVENUE, NIAGARA FALLS, NEW YORK
 3RD QUARTER 2019

Monitoring Well No.	Reference Elevation (ft.)	9/24/2019 and 9/25/2019	
		DTW (ft)	Elevation (ft.)
OW-25B ⁽¹⁾	570.9	14.02	556.88
OW-26B	571.64	23.41	548.23
OW-27B	569.81	17.60	552.21
OW-28B	568.76	13.20	555.56
OW-29B	568.16	13.60	554.56
OW-30B	568.10	20.05	548.05
OW-31B ⁽¹⁾	570.14	13.20	556.94
OW-32B ⁽¹⁾	569.99	13.03	556.96
OW-33B ⁽¹⁾	569.55	12.80	556.75
PW-1B	572.34	14.93	557.41
PW-2B	571.60	17.50	554.10
PW-3B ⁽¹⁾	571.21	20.20	551.01
PW-4B ⁽¹⁾	569.72	14.72	555.00
PW-5B	572.74	20.80	551.94
PW-6B	573.95	25.51	548.44
PW-7B	571.15	16.88	554.27
PW-8B	572.36	25.20	547.16
C-Zone:			
MW-1C	572.53	16.20	556.33
MW-4C	571.42	28.20	543.22
MW-5C	572.75	25.40	547.35
MW-6C ⁽³⁾	573.60	NM	-
CD-Zone:			
MW-1CD	572.78	16.36	556.42
MW-5CD	570.50	25.42	545.08
MW-6CD ⁽²⁾	573.45	NM	-
F-Zone:			
MW-1F	572.40	14.60	557.80
MW-5F	572.78	18.20	554.58
MW-6F	573.52	18.85	554.67
Piezometers:			
PZ-01	572.46	11.00	561.46
PZ-02	572.14	11.05	561.09
PZ-03	571.95	10.95	561.00
PZ-04	572.03	DRY	DRY

Notes:

- 1) Monitoring wells within the Hot Spot were measured on 9/25/19.
- 2) OW-18B and MW-6CD were not measured due to an obstruction in the well.
- 3) MW-6C is bailed monthly.

TABLE 4.1 - GROUND WATER ANALYTICAL RESULTS
SOLVENT CHEMICAL, 3163 BUFFALO AVENUE, NIAGARA FALLS, NY
September 2019

Location	Date Sampled	Contaminants of Concern																					
		Benzene	Chlorobenzene	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1,1,2-Tetrachloroethane	1,1,1,1-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	09/24/2019	350	8,700	190 J	2,000	940	3,600	< 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	09/24/2019	< 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	0.45 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	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
OW-09A	09/24/2019	< 50 U	< 50 U	< 50 U	580	< 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
OW-12A	09/25/2019	86 J	4,100	150	7,600	1,100	4,400	< 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	09/24/2019	< 10 U	260	39	370	200	160	< 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	09/24/2019	< 1.0 U	< 1.0 U	< 1.0 U	32	< 1.0 U	5.7	< 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	09/24/2019	630	12,000 F1	340	9,400	1,600	15,000	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	110 J	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U
OW-22A	09/25/2019	< 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	09/25/2019	< 200 U	8,000	1,100	10,000	2,200	5,700	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	320	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U
B Zone																							
MW-01B	09/25/2019	340	32,000	360	2,500	2,100	10,000	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	130 J	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U
MW-04B	09/24/2019	210	1,300	230	1,700	540	1,100	< 20 U	< 20 U	250	9.1 J	< 20 U	31	< 20 U	17 J	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
MW-06B	09/24/2019	550	5,400	210	7,200	1,900	4,900	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	51 J	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U
OW-05B	09/25/2019	81	230	160	150	160	190	< 10 U	18	470	14	5.4 J	25	< 10 U	60	< 10 U	< 10 U	< 10 U	< 10 U	3.0 J	< 10 U	< 10 U	< 10 U
DUP OW-05B	09/25/2019	70 J	190	140	130	130	160	< 100 U	< 100 U	380	< 100 U	< 100 U	< 100 U	< 100 U	42 J	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U
OW-06B	09/25/2019	110	740	1,300	850	430	810	< 20 U	< 20 U	170	10 J	< 20 U	23	< 20 U	45	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
OW-07B	09/25/2019	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	17	0.91 J	1.4	< 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	09/25/2019	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	2.2	1.5 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	< 2.0 U
OW-10B	09/25/2019	1,700	23,000	< 500 U	5,700	2,400	8,800	< 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	09/25/2019	9,500	14,000	3,600	31,000	7,400	22,000	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	1,400	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U
DUP OW-11B	09/25/2019	7,900	13,000	3,400	28,000	6,600	20,000	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	1,200	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U	< 500 U
OW-12B	09/24/2019	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	2.0	< 1.0 U	< 1.0 U	< 1.0 U	1.5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
OW-13B	09/24/2019	850	6,200	4,900	6,800	1,500	5,400	< 80 U	< 80 U	340	< 80 U	< 80 U	49 J	< 80 U	350	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U
DUP OW-13B	09/24/2019	870	6,200	5,200	6,800	1,500	5,300	< 80 U	< 80 U	360	< 80 U	< 80 U	51 J	< 80 U	370	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U
OW-14B	09/25/2019	< 100 U	1,900	530	3,300	1,700	5,900	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	130	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U
OW-15B	09/25/2019	< 25 U	< 25 U	29	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	24 J	< 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	09/25/2019	14 J	56	32	54	40	59	< 20 U	< 20 U	160	< 20 U	< 20 U	< 20 U	< 20 U	11 J	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
OW-26B	09/24/2019	4.3 J	11	< 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
OW-27B	09/24/2019	370	2,500	350	2,000	830	2,100	< 10 U	9.4 J	180	8.7 J	6.1 J	28	< 10 U	48	< 10 U	< 10 U	< 10 U	< 10 U	2.5 J	< 10 U	< 10 U	< 10 U
OW-28B	09/24/2019	16	100	54	64	66	96	< 10 U	< 10 U	210	9.2 J	3.8 J	11	< 10 U	11	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
OW-29B	09/24/2019	430	3,200	2,600	3,800	1,100	2,900	< 40 U	< 40 U	540	21 J	< 40 U	55	< 40 U	260	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U
OW-30B	09/24/2019	8.0	36	< 1.0 U	4.2	12	7.5	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	3.8	< 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	09/25/2019	770	< 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	09/25/2019	4,400	4,900	370 J	990	< 400 U	630	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	120 J	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U
MW-05C	09/24/2019	190	2,200	< 20 U	93	210	430	< 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	09/25/2019	5,700	55,000	420 J	18,000	2,200	11,000	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	<				

TABLE 4.1 - GROUND WATER ANALYTICAL RESULTS
SOLVENT CHEMICAL, 3163 BUFFALO AVENUE, NIAGARA FALLS, NY
September 2019

Location	Date Samp	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
F Zone																							
MW-01F	09/25/2019	< 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-05F	09/25/2019	66 J	400	< 100 U	630	< 100 U	240	< 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	09/25/2019	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	5.9 J	< 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: Indicates an estimated value.
N/A : Not available.
NS: Not Sampled
F1: MS and/or MSD Recovery is outside acceptance limits.
U: Analyzed for but not detected.
* - NYSDC 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
September 2019

Location	Date Samp	Remaining Detected Analytes																						
		2,2-Dichloropropane	2-BUANone (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	Hexachlorobudadiene	Isopropylbenzene
F Zone																								
MW-01F	09/25/2019	< 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	41 J	< 50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 50 U
MW-05F	09/25/2019	< 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	180	< 100 U	< 100 U	< 100 U	< 100 U	< 200 U	< 100 U
MW-06F	09/25/2019	< 20 U	< 200 U	< 100 U	< 100 U	< 100 U	94 J	< 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: Indicates an estimated value.

N/A : Not available.

NS: Not Sampled

F1: MS and/or MSD Recovery is outsi

U: Analyzed for but not detected.

* - NYSDEC Groundwater effluent limitatic

N/A - No criteria available.

Values in bold indicate the analyte was de

Values shown in bold and shaded typ

TABLE 4.1 - GROUND WATER ANALYTICAL RESULTS
SOLVENT CHEMICAL, 3163 BUFFALO AVENUE, NIAGARA FALLS, NY
September 2019

Location	Date Sampled																					
		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
		5	10	5	5	5	10	5	5	5	5	5	5	5	5	5	5	0.4	5	5	N/A	2
Effluent Limit																						
A Zone																						
MW-02A	09/24/2019	< 400 U	< 200 U	190 J	< 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	09/24/2019	< 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	19	< 1.0 U	< 1.0 U	< 1.0 U	0.57 J	< 1.0 U	< 5.0 U	< 1.0 U
OW-09A	09/24/2019	< 100 U	< 50 U	53	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	5,700	< 50 U	< 50 U	< 50 U	330	< 50 U	< 250 U	< 50 U
OW-12A	09/25/2019	< 250 U	< 130 U	89 J	< 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	09/24/2019	< 20 U	< 10 U	12	< 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	09/24/2019	< 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	09/24/2019	< 400 U	< 200 U	190 J	< 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	09/25/2019	< 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	09/25/2019	< 400 U	< 200 U	130 J	< 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	09/25/2019	< 400 U	< 200 U	150 J	< 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-04B	09/24/2019	< 40 U	< 20 U	10 J	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	1,500	< 20 U	240	< 20 U	1,500	< 20 U	< 100 U	1,400
MW-06B	09/24/2019	< 200 U	< 100 U	94 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-05B	09/25/2019	< 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	2,800	< 10 U	95	< 10 U	6,300	< 10 U	< 50 U	230
DUP OW-05B	09/25/2019	< 200 U	< 100 U	140	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	2,900	< 100 U	< 100 U	< 100 U	6,700	< 100 U	< 500 U	170
OW-06B	09/25/2019	< 40 U	< 20 U	12 J	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	970	< 20 U	130	< 20 U	2,100	< 20 U	< 100 U	680
OW-07B	09/25/2019	< 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	13	< 1.0 U	10	< 1.0 U	74	< 1.0 U	< 5.0 U	< 1.0 U
OW-08B	09/25/2019	< 4.0 U	< 2.0 U	3.5	< 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	66	< 2.0 U	< 10 U	< 2.0 U
OW-10B	09/25/2019	< 1,000 U	< 500 U	340 J	< 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	09/25/2019	290 J	< 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	< 400 U	< 400 U	< 400 U	< 2,000 U	< 400 U
DUP OW-11B	09/25/2019	< 1,000 U	< 500 U	290 J	< 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	09/24/2019	< 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	2.0	< 1.0 U	3.0	< 1.0 U	3.2	< 1.0 U	< 5.0 U	< 1.0 U
OW-13B	09/24/2019	< 160 U	< 80 U	62 J	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	940	< 80 U	200	< 80 U	2,300	< 80 U	< 400 U	1,100
DUP OW-13B	09/24/2019	< 160 U	< 80 U	62 J	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	< 80 U	950	< 80 U	200	< 80 U	2,300	< 80 U	< 400 U	1,200
OW-14B	09/25/2019	< 200 U	< 100 U	56 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	09/25/2019	< 50 U	< 25 U	16 J	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	350	< 25 U	< 25 U	< 25 U	190	< 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	09/25/2019	< 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	610	< 20 U	24	< 20 U	1,400 F1	< 20 U	< 100 U	71
OW-26B	09/24/2019	< 20 U	< 10 U	14	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	260	< 10 U	< 10 U	< 10 U	11	< 10 U	< 50 U	< 10 U
OW-27B	09/24/2019	< 20 U	< 10 U	8.9 J	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	700	< 10 U	190	< 10 U	1,800	< 10 U	< 50 U	630
OW-28B	09/24/2019	< 20 U	< 10 U	11	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	1,400	< 10 U	52	< 10 U	2,300	< 10 U	< 50 U	210
OW-29B	09/24/2019	< 80 U	< 40 U	44	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	2,900	< 40 U	290	< 40 U	4,100	< 40 U	< 200 U	1,500
OW-30B	09/24/2019	< 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	2.5	< 1.0 U	12	< 1.0 U	< 5.0 U	2.9
C Zone																						
MW-01C	09/25/2019	< 100 U	< 50 U	25 J	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	190	< 50 U	< 50 U	< 50 U	< 250 U	960
MW-04C	09/25/2019	< 800 U	< 400 U	310 J	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	400	< 400 U	450	< 400 U	410	< 400 U	< 2,000 U	2,200
MW-05C	09/24/2019	< 40 U	< 20 U	28	< 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	09/25/2019	< 1600 U	< 800 U	710 J	< 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	1,800
MW-05CD	09/24/2019	< 80 U	< 40 U	35 J	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	51	< 40 U	< 40 U	< 40 U	< 200 U	1,300

TABLE 4.1 - GROUND WATER ANALYTICAL RESULTS
SOLVENT CHEMICAL, 3163 BUFFALO AVENUE, NIAGARA FALLS, NY
September 2019

Location	Date Samp																					
		m,p-Xylene	Methyl tert-butyl ether	Methylene chloride	n-BUylbenzene	n-Propylbenzene	Naphthalene	2-Chlorotoluene	o-Xylene	4-Chlorotoluene	4-Isopropyltoluene	sec-BUylbenzene	Styrene	tert-BUylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
F Zone																						
MW-01F	09/25/2019	< 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	< 250 U	2,600	
MW-05F	09/25/2019	< 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	< 500 U	2,200	
MW-06F	09/25/2019	< 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	43	< 20 U	< 20 U	< 20 U	< 100 U	1,800

Note:
All units in ug/l.
QUALIFIERS
GC/MS VOA
J: Indicates an estimated value.
N/A : Not available.
NS: Not Sampled
F1: MS and/or MSD Recovery is outside
U: Analyzed for but not detected.
* - NYSDEC Groundwater effluent limitatic
N/A - No criteria available.
Values in **bold** indicate the analyte was detected
Values shown in bold and shaded type indicate the analyte was detected and is above the applicable groundwater protection standard.

Table 4-2
Summary of Analytical Results for Emerging Contaminant Groundwater Samples -- September 2019
Solvent Chemical - 3163 Buffalo Avenue
Niagara Falls, New York

Sample Location: Sample Name: Sample Depth: Sample Date:				MW-02A MW-2A 9.29-13.49 ft 09/30/2019	MW-02B MW-2B 12.95-24.75 ft 09/27/2019	MW-06A MW-6A 7.95-13.55 ft 09/27/2019	MW-06B MW-6B 10.77-21.17 ft 09/27/2019	OW-01B OW-1B 15.7-25.5 ft 09/27/2019	OW-02B OW-2B N/A 09/27/2019	OW-15A OW-15A 7.3-12.3 ft 09/27/2019	OW-18A OW-18A 14.7-19.7 ft 09/27/2019	OW-27A OW-27A 9.3-14.3 ft 9/26/2019	OW-27B OW-27B 16-24 ft 9/26/2019		OW-127B 16-24 ft 9/26/2019 Field Dup
Analysis	Analyte	Unit	EPA*												
SVOCs															
	1,4-Dioxane	ug/L	NC	1.0 U	0.20 U	0.16 J	2.9	2.0 U	0.67 U	0.20 U	1.0 U	0.30	0.24	0.26	
PFAS															
	Perfluorobutanoic acid (PFBA)	ng/L	NC	17	6.4	25 U	21	16	28	5.6	10	20	10	9.6	
	Perfluoropentanoic acid (PFPeA)	ng/L	NC	18	9.6	38 U	60	37	85	5.4	13	19	17	16	
	Perfluorohexanoic acid (PFHxA)	ng/L	NC	39	12	19	29	41	45	12	33	54	23	23	
	Perfluoroheptanoic acid (PFHpA)	ng/L	NC	15	5.1	20	19	14	27	6.7	16	22	9.2	8.5	
	Perfluorooctanoic acid (PFOA)	ng/L	70	58	39	120	13	27	14	22	95	140	53	50	
	Perfluorononanoic acid (PFNA)	ng/L	NC	0.76 J	4.4	6.5	2.2	1.5 J	3.1	0.98 J	1.8 J	3.2	3.0	3.0	
	Perfluorodecanoic acid (PFDA)	ng/L	NC	1.8 U	11	0.41 J	0.99 J	0.38 J	1.4 J	2.0	1.9 U	0.82 J	5.5	5.9	
	Perfluoroundecanoic acid (PFUnA)	ng/L	NC	1.8 U	3.2	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U	1.3 J	1.6 J	
	Perfluorododecanoic acid (PFDoA)	ng/L	NC	1.8 U	2.3	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	
	Perfluorotridecanoic acid (PFTriA)	ng/L	NC	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	
	Perfluorotetradecanoic acid (PFTeA)	ng/L	NC	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	
	Perfluorobutanesulfonic acid (PFBS)	ng/L	NC	18	0.98 J	7.9	2.0	9.1	4.4	5.4	11	24	6.4	6.7	
	Perfluorohexanesulfonic acid (PFHxS)	ng/L	NC	140	8.1	28	8.9	76	22	4.4	33	190	57	54	
	Perfluoroheptanesulfonic acid (PFHpS)	ng/L	NC	6.0	0.37 J	3.6	0.57 J	3.5	1.1 J	1.9 U	1.6 J	14	3.7	3.5	
	Perfluorooctanesulfonic acid (PFOS)	ng/L	70	370	16	110	28	120	57	2.7	52	700 J	200	200	
	Perfluorodecanesulfonic acid (PFDS)	ng/L	NC	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	
	Perfluorooctane Sulfonamide (PFOSA)	ng/L	NC	0.62 J	0.43 J	1.9 U	0.33 J	1.2 J	0.36 J	1.9 U	1.4 J	1.2 J	1.0 J	1.2 J	
	2-(N-methyl perfluorooctanesulfonamido) acetic acid (N-MeFOSAA)	ng/L	NC	18 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	18 U	18 U	19 U	
	N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine (N-EtFOSAA)	ng/L	NC	18 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	18 U	18 U	19 U	
	6:2 Perfluorooctane Sulfonate (6:2 FTS)	ng/L	NC	18 U	19 U	19 U	8.7 J	7.4 J	12 J	19 U	19 U	18 U	4.0 J	3.3 J	
	8:2 Perfluorodecane Sulfonate (8:2 FTS)	ng/L	NC	18 U	19 U	19 U	19 U	19 U	1.9 J	19 U	19 U	18 U	18 U	19 U	
	PFOA + PFOS	ng/L	70	428	55	230	41	147	71	24.7	147	840 J	253	250	

Notes:

ng/L - Nanograms per liter.

ug/L - Micrograms per liter.

N/A - Not available/applicable.

J - Estimated value.

NC - No listed standards exist for this analyte.

U - Analyte was not detected at specified quantitation limit.

Values in bold indicate the analyte was detected.

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

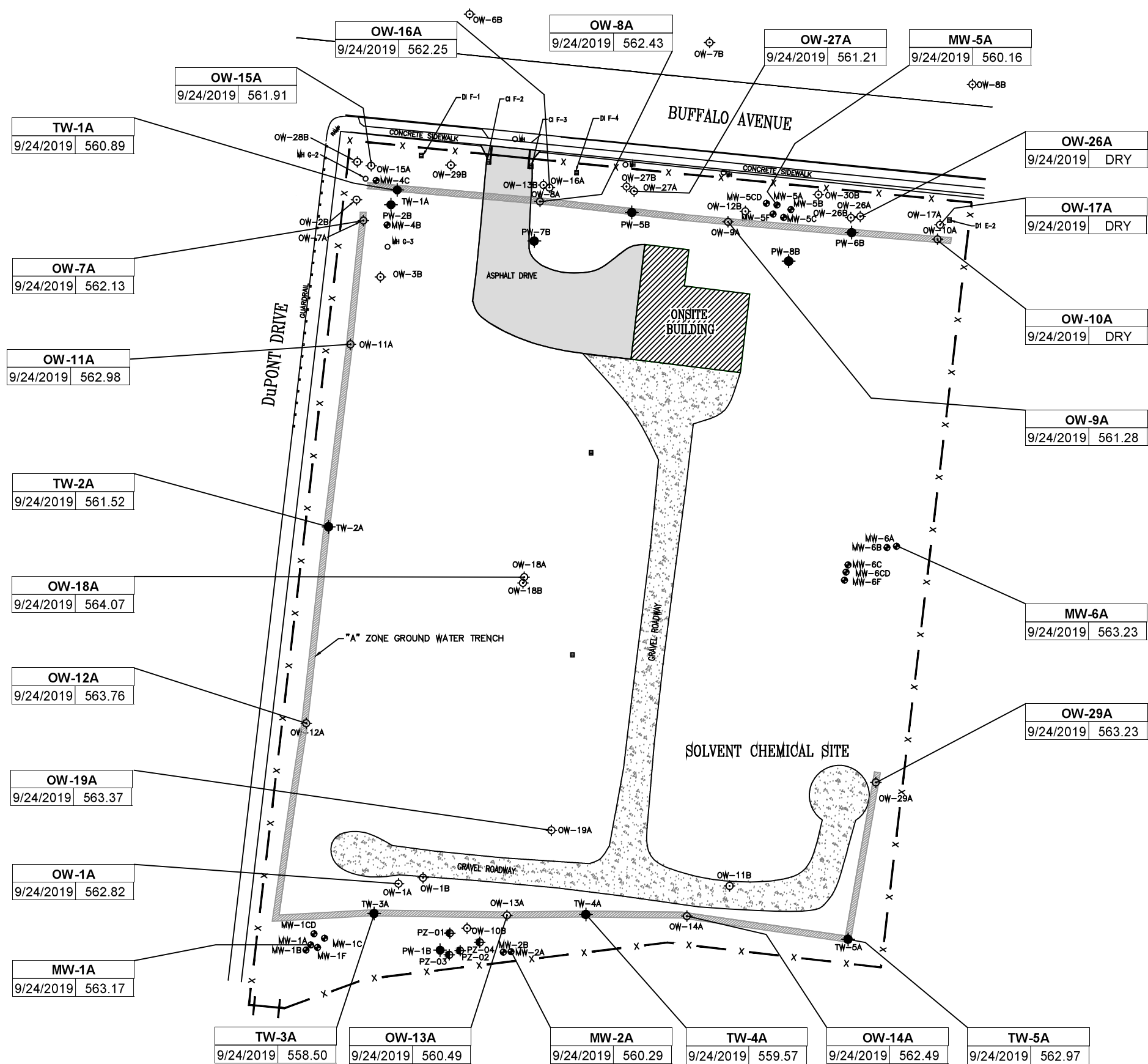
SVOCs - Semivolatile Organic Compounds.

PFAS - Per- and poly-fluorinated alkyl substances.

*- USEPA health advisory levels of PFOA and PFOS (individual or combined concentrations).

FIGURES

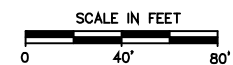
2204 -- USER: m... -- ATTACHED XREFS: -- ATTACHED IMAGES: -- PLOT DATE: January 08, 2020 - 5:31PM -- LAYOUT: FIG 1
DRAWING NAME: J:\Projects\27397 - Solvent Chemical\Quarterly, Semi-Annual and Annual Reports\2019_Semi-Annual_2\Figures\CAD\Fig 1_AZONE_WATERLEVELS 2019 2nd.dwg



LEGEND

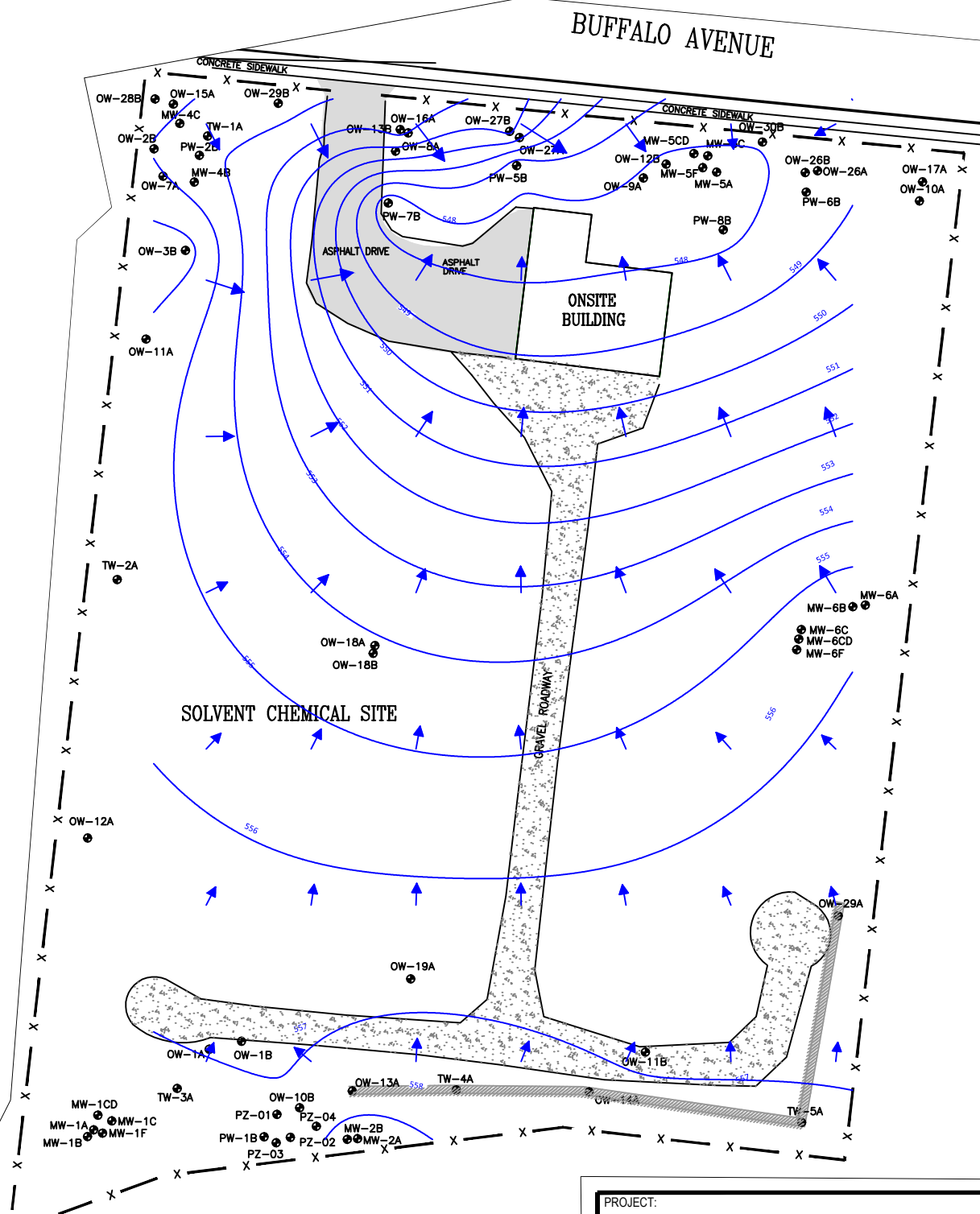
DATE OF MEASUREMENT	9/24/2019	561.28	WELL ID
			PIEZOMETRIC SURFACE ELEVATIONS (FT.) (NM = NOT MEASURED)

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



PROJECT:		SOLVENT CHEMICAL NIAGARA FALLS, NEW YORK	
TITLE:		OVERBURDEN WATER LEVELS SOLVENT SITE SEPTEMBER 24, 2019	
DRAWN BY:	NGS	PROJ. NO.:	105146
CHECKED BY:	EG	FIGURE 1	
APPROVED BY:	MP		
DATE:	JANUARY 2020		
FILE NO.:		Fig 1_AZONE_WATERLEVELS 2019 2nd.dwg	

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



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



PROJECT:

**SOLVENT CHEMICAL
NIAGRA FALLS, NEW YORK**

TITLE: **SEPTEMBER GROUNDWATER CONTOURS
SOLVENT SITE
SEPTEMBER 24 & 25, 2019**

DRAWN BY: MAN PROJ NO.: 105146

CHECKED BY: SB

APPROVED BY: MP

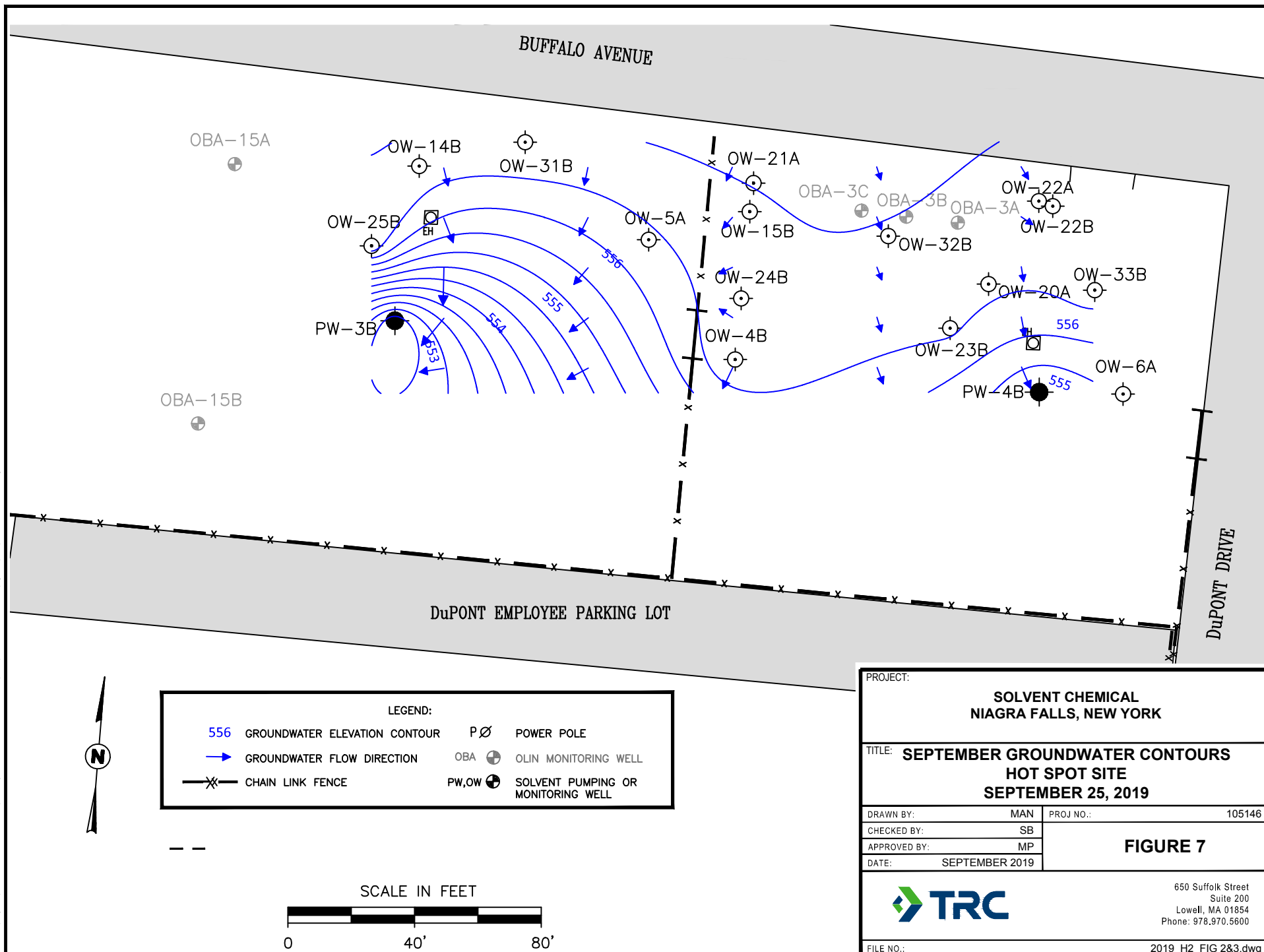
DATE: SEPTEMBER 2019

FIGURE 5



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

FILE NO.: 2019 H1 FIG 2&3.dwg



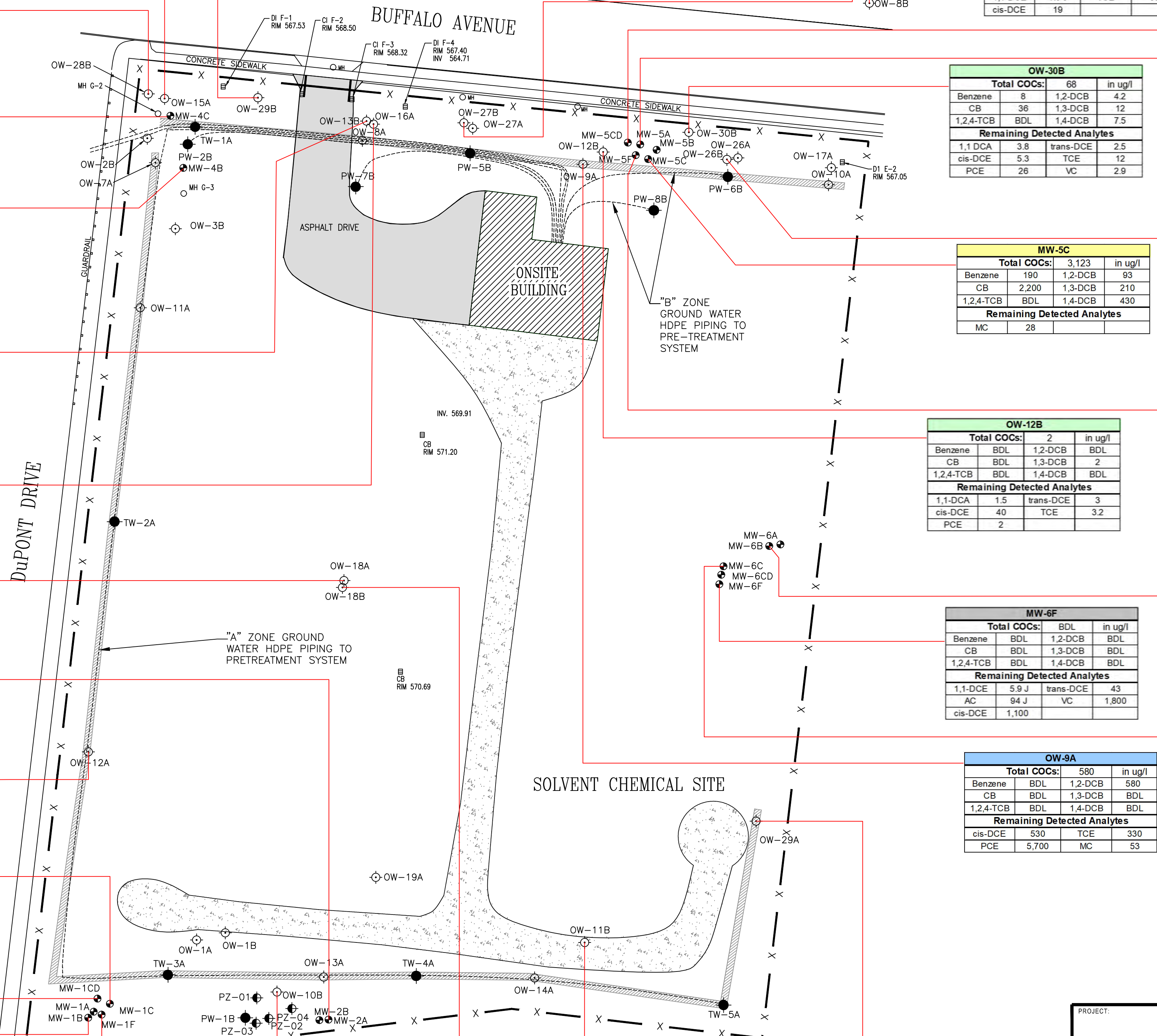
MC	Methylene chloride
o - CLT	o-Chlorotoluene
p - CLT	p-Chlorotoluene
PCE	Tetrachloroethene
cis-DCE	cis - 1,2-Dichloroethene
TCE	Trichloroethene
trans-DCE	trans - 1,2-Dichloroethene
1,2,3-TCB	1,2,3-Trichlorobenzene
AC	Acetone
CHL	Chloroform
1,1,1,2-TCA	1,1,1,2-Tetrachloroethane
1,1,1-TRI	1,1,1-Trichloroethane
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

WELL ID		OW-18A			
TOTAL COC CONCENTRATION		Total COCs:			
		Benzene	630	1,2-DCB	9,400
		CB	12,000 F1	1,3-DCB	1,600
		1,2,4-TCB	340	1,4-DCB	15,000
Remaining Detected Analytes					
		MC	190 J	1,2,3-TCB	110 J

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

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

PROJECT:		SOLVENT CHEMICAL NIAGARA FALLS, NEW YORK	
TITLE:		SEPTEMBER 24-25, 2019 GROUNDWATER DETECTED CONTAMINANTS SOLVENT CHEMICAL SITE	
DRAWN BY:		PROJ. NO.:	105146
CHECKED BY:		FIGURE 4A	
APPROVED BY:			
DATE:	NOVEMBER 2019		
		650 Suffolk Street Suite 200 Lowell, MA 01854 Phone: 978.970.5600	
FILE NO.:		FIG_4A.dwg	



2408 - USER: aaron - ATTACHED: 08/25/2019 - BASE: SOLVENT CHEMICAL - ATTACHED: 08/25/2019 - PLOT DATE: November 12, 2019 - 2:27PM - LAYOUT: Layout1
DRAWING NAME: J:\Projects\27397 - Solvent Chemical\Quarterly, Semi-Annual and Annual Reports\2019_Semi-Annual_2\Figures\CAD, FIG_4B.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
1,1,1,1-TRI	1,1,1,1-Trichloroethane
1,1,2,2-TCA	1,1,2,2-Tetrachloroethane
1,1,2,1-TRI	1,1,2,1-Trichloroethane
1,1-DCA	1,1-Dichloroethane
1,1-DCE	1,1-Dichloroethene
1,2-DCA	1,2-Dichloroethane
1,2-DCP	1,2-Dichloropropane
HEX	Hexachlorobutadiene
VC	Vinyl chloride
EB	Ethylbenzene
m/p-XYL	m/p-Xylenes
TOL	Toluene
CT	Carbon Tetrachloride
BROM	Bromobenzene
DICHLOR	Dichlorodifluoromethane
o-XYL	o-xylene
1,2,4-TMB	1,2,4-Trimethylbenzene
1,3,5-TEB	1,3,5-Trimethylbenzene
p-CYM	p-Cymene
NAP	Naphthalene
BUT	2-Butanone
CB	Chlorobenzene
CD	Carbon Disulfide
1,2-DCB	1,2-Dichlorobenzene
1,3-DCB	1,3-Dichlorobenzene
1,4-DCB	1,4-Dichlorobenzene
1,2,4-TCB	1,2,4-Trichlorobenzene
2-HEX	2-Hexanone
CHLMET	Chloromethane
BDCM	Bromodichloromethane
BRF	Bromoform
CDBM	Chlorodibromomethane

KEY

WELL ID	OW-14B
TOTAL COC CONCENTRATION	
Total COCs:	13,330 in ug/l
Benzene	BDL
CB	1,900
1,2,4-TCB	530
1,2,3-TCB	130
MC	56 J

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 ● PRODUCTION WELL/TRENCH WELL
- TW-3A ●
- PZ-01 ● PIEZOMETER
- OBA-14B ● OLIN CHEMICAL MONITORING WELL
- A-ZONE INTERCEPTOR TRENCH
- FENCE
- GATE

OW-15B			
Total COCs:	29	in ug/l	
Benzene	BDL	1,2-DCB	BDL
CB	BDL	1,3-DCB	BDL
1,2,4-TCB	29	1,4-DCB	BDL
Remaining Detected Analytes			
1,1,2,2-TCA	24 J	MC	16 J
CHL	15 J	PCE	350
cis-DCE	350	TCE	190

OW-22A			
Total COCs:	BDL	in ug/l	
Benzene	BDL	1,2-DCB	BDL
CB	BDL	1,3-DCB	BDL
1,2,4-TCB	BDL	1,4-DCB	BDL
Remaining Detected Analytes			
CHL	0.41 J		

OW-22B			
Total COCs:	255	in ug/l	
Benzene	14 J	1,2-DCB	54
CB	56	1,3-DCB	40
1,2,4-TCB	32	1,4-DCB	59
Remaining Detected Analytes			
1,1,2,2-TCA	160	PCE	610
1,2,3-TCB	11 J	trans-DCE	24.0
CHL	12 J	TCE	1,400 F1
cis-DCE	930	VC	71

OW-5B			
Total COCs:	971	in ug/l	
Benzene	81	1,2-DCB	150
CB	230	1,3-DCB	160
1,2,4-TCB	160	1,4-DCB	190
Remaining Detected Analytes			
1,1,1-TRI	18	CHL	3.4 J
1,1,2,2-TCA	470	cis-DCE	2,100
1,1,2-TRI	14	PCE	2,800
1,1-DCA	5.4 J	trans-DCE	95
1,1-DCE	25	TCE	6,300
1,2,3-TCB	60	VC	23
1,2-DCA	3 J		

SEE FIGURE 4-A FOR CONTINUATION OF SITE

PROJECT: SOLVENT CHEMICAL NIAGARA FALLS, NEW YORK	
TITLE: SEPTEMBER 24-25, 2019 GROUNDWATER DETECTED CONTAMINANTS HOT SPOT	
DRAWN BY:	PROJ. NO.: 105146
CHECKED BY:	FIGURE 4B
APPROVED BY:	
DATE: NOVEMBER 2019	
TRC 650 Suffolk Street Suite 200 Lowell, MA 01854 Phone: 978.970.5600	
FILE NO:	FIG_4B.dwg

OW-2B			
PFOA + PFOS:		71	in ng/L
PFBA	28	PFBS	4.4
PFPeA	85	PFHxS	22
PFHxA	45	PFHpS	1.1 J
PFHp	27	PFOS	57
PFOA	14	PFOSA	0.36 J
PFNA	3.1	6:2 FTS	12 J
PFDA	1.4 J	8:2 FTS	1.9 J
Remaining Detected Analytes (ug/L)			

OW-27A			
PFOA + PFOS:		840 J	in ng/l
PFBA	20	PFDA	0.82 J
PFPeA	19	PFHxS	24
PFHxA	54	PFHpS	190
PFHpA	22	PFHoS	14
PFOA	140	PFOS	700 J
PFNA	3.2	PFOSA	1.2
Remaining Detected Analytes (ug/L)			
1,4-Dioxane	0.3		

OW-18A			
PFOA + PFOS:		147	in ng/l
PFBA	10	PFBS	11
PFPeA	13	PFHxS	33
PFHxA	33	PFHpS	1.6 J
PFHpA	16	PFOS	52
PFOA	95	PFOSA	1.4 J
PFNA	1.8 J		
Remaining Detected Analytes (ug/L)			

MW-6A			
PFOA + PFOS:		230	in ng/L
PFHxA	19	PFBS	7.9
PFHpA	20	PFHxS	28
PFOA	120	PFHpS	3.6
PFNA	6.5	PFOS	110
PFDA	0.41 J		
Remaining Detected Analytes (ug/L)			
1,4-Dioxane	0.16 J		

MW-6B			
PFOA + PFOS:		41	in ng/l
PFBA	21:	PFBS	2.0
PFPeA	60	PFHxS	8.9
PFHxA	29	PFHpS	0.57 J
PFHpA	19	PFOS	28
PFOA	13	PFOSA	0.33 J
PFNA	2.2	6:2 FTS	8.7 J
PFDA	0.99 J		
Remaining Detected Analytes (ug/L)			
1,4-Dioxane	2.9		

OW-1B			
PFOA + PFOS:		147	in ng/l
PFBA	16	PFBS	9.1
PFPeA	37	PFHxS	76
PFHxA	41	PFHpS	3.5
PFHpA	14	PFOS	120
PFOA	27	PFOSA	1.2 J
PFNA	1.5 J	6:2 FTS	7.4 J
PFDA	0.38 J		
Remaining Detected Analytes (ug/L)			

MW-2B			
PFOA + PFOS:		55	in ng/l
PFBA	6.4:	PFUnA	3.2
PFPeA	9.6	PFDoA	2.3
PFHxA	12	PFBS	0.98 J
PFHpA	5.1	PFHxS	8.1
PFOA	39	PFHpS	0.37 J
PFNA	4.4	PFOS	16
PFDA	11	PFOSA	0.43 J
Remaining Detected Analytes (ug/L)			

MW-2A			
PFOA + PFOS:		428	in ng/l
PFBA	17.0	PFBS	18
PFPeA	18.0	PFHxS	140
PFHxA	39.0	PFHpS	6
PFHpA	15.0	PFOS	370
PFCA	58	PFOSA	0.62 J
PFNA	0.76 J		
Remaining Detected Analytes (ug/L)			

OW-18A	
PFOA + PFOS:	147 in ng/L
PFBA	10 PFBS
PFPeA	13 PFHxS
PFHxA	33 PFHpS
PFHpA	16 PFOS
PFOA	95 PFOSA
PFNA	1.8 J
Remaining Detected Analytes (ug/L)	

 A-ZONE WELL  B-ZONE WELL

ALL UNITS IN NG/L, EXCEPT 1,4-DIOXANE, WHICH IS UG/L

QUALIFIERS:
GC/MS VOA
NG/L - NANOGRAMS PER LITER.
UG/L - MICROGRAMS PER LITER.
J - ESTIMATED VALUE.
PFAS - PER- AND POLY-FLUORINATED ALKYL SUBSTANCES.

VALUES SHOWN IN BOLD EXCEEDED THE LISTED STANDARD OF 70 NG/L

NOTES

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

LEGEND

MH G-2 ○ SITE STORM SEWER MANHOLE

MH O CITY UTILITY MANHOLE

OW-3A  OBSERVATION WELL

MW-4A MONITORING WELLPW-3B PRODUCTION WELL/TRENCH WELL

TW-3A +

PZ=01 PIEZOMETER

 A-ZONE INTERCEPTOR TRENCH
 FENCE

_____ x _____

GATE

4436 -- USER: nnsdpcas -- ATTACHED XREFS: BASE_SOLVENT2019 --- ATTACHED IMAGES:
DRAWING NAME: J:\Projects\27397 - Solvent Chemical\Quarterly, Semi-Annual and Annual Reports\2019 Semi-Annual 2\Figures\CAD\FIG 5.dwg --- PLOT DATE: January 15, 2020 - 4:17PM --- LAYOUT: Layout1

APPENDIX A

Monthly Flow Tables



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

978.970.5600 PHONE
978.453.1995 FAX

www.TRCSolutions.com

May 16, 2019

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

Re: April 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

A handwritten signature in blue ink, appearing to read "Michael Plumb".

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 APRIL 2019**

	Totalizer Reading	Daily Flow
Date Time	(Gallons)	(MGD)
4/1/2019 8:00	113233800	
4/2/2019 8:00	113286500	0.0527
4/3/2019 8:00	113357600	0.0711
4/4/2019 8:00	113428300	0.0707
4/5/2019 8:00	113498700	0.0704
4/6/2019 8:00	113569300	0.0706
4/7/2019 8:00	113639500	0.0702
4/8/2019 8:00	113708100	0.0686
4/9/2019 8:00	113778200	0.0701
4/10/2019 8:00	113846300	0.0681
4/11/2019 8:00	113895200	0.0489
4/12/2019 8:00	113938800	0.0436
4/13/2019 8:00	113940400	0.0016
4/14/2019 8:00	113940400	0.0000
4/15/2019 8:00	113941500	0.0011
4/16/2019 8:00	114011800	0.0703
4/17/2019 8:00	114048300	0.0365
4/18/2019 8:00	114058400	0.0101
4/19/2019 8:00	114113600	0.0552
4/20/2019 8:00	114188400	0.0748
4/21/2019 8:00	114263300	0.0749
4/22/2019 8:00	114337700	0.0744
4/23/2019 8:00	114408100	0.0704
4/24/2019 8:00	114482000	0.0739
4/25/2019 8:00	114555400	0.0734
4/26/2019 8:00	114631600	0.0762
4/27/2019 8:00	114705700	0.0741
4/28/2019 8:00	114779300	0.0736
4/29/2019 8:00	114852200	0.0729
4/30/2019 8:00	114925500	0.0733

Total Flow Discharged for Month 1.6917 million gallons

Average Daily Flow 0.06 million gallons

Note:

- 1) The flow meter is calibrated annually during the maintenance shutdown. The last calibration was conducted on October 9, 2018 by Cold Spring Environmental.



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

978.970.5600 PHONE
978.453.1995 FAX

www.TRCSolutions.com

June 18, 2019

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

Re: May 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

A handwritten signature in blue ink, appearing to read "Michael Plumb".

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 MAY 2019**

	Totalizer Reading	Daily Flow
Date Time	(Gallons)	(MGD)
5/1/2019 8:00	114996700	
5/2/2019 8:00	115048200	0.0515
5/3/2019 8:00	115103200	0.0550
5/4/2019 8:00	115171400	0.0682
5/5/2019 8:00	115237300	0.0659
5/6/2019 8:00	115289400	0.0521
5/7/2019 8:00	115363200	0.0738
5/8/2019 8:00	115418400	0.0552
5/9/2019 8:00	115489900	0.0715
5/10/2019 8:00	115551800	0.0619
5/11/2019 8:00	115624900	0.0731
5/12/2019 8:00	115699500	0.0746
5/13/2019 8:00	115772600	0.0731
5/14/2019 8:00	115835400	0.0628
5/15/2019 8:00	115903000	0.0676
5/16/2019 8:00	115975100	0.0721
5/17/2019 8:00	116026800	0.0517
5/18/2019 8:00	116098000	0.0712
5/19/2019 8:00	116147000	0.0490
5/20/2019 8:00	116210000	0.0630
5/21/2019 8:00	116280600	0.0706
5/22/2019 8:00	116294100	0.0135
5/23/2019 8:00	116322500	0.0284
5/24/2019 8:00	116323300	0.0008
5/25/2019 8:00	116392700	0.0694
5/26/2019 8:00	116464200	0.0715
5/27/2019 8:00	116534200	0.0700
5/28/2019 8:00	116598000	0.0638
5/29/2019 8:00	116598800	0.0008
5/30/2019 8:00	116645500	0.0467
5/31/2019 8:00	116701000	0.0555

Total Flow Discharged for Month 1.7043 million gallons

Average Daily Flow 0.06 million gallons

Note:

- 1) The flow meter is calibrated annually during the maintenance shutdown. The last calibration was conducted on October 9, 2018 by Cold Spring Environmental.



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

978.970.5600 PHONE
978.453.1995 FAX

www.TRCSolutions.com

July 15, 2019

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

Re: June 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

A handwritten signature in blue ink, appearing to read "Michael Plumb".

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 JUNE 2019**

Date Time	Totalizer Reading (Gallons)	Daily Flow (MGD)
6/1/2019 8:00	116764000	
6/2/2019 8:00	116812500	0.0485
6/3/2019 8:00	116860000	0.0475
6/4/2019 8:00	116926500	0.0665
6/5/2019 8:00	116992600	0.0661
6/6/2019 8:00	117057200	0.0646
6/7/2019 8:00	117114100	0.0569
6/8/2019 8:00	117165500	0.0514
6/9/2019 8:00	117229000	0.0635
6/10/2019 8:00	117273700	0.0447
6/11/2019 8:00	117335300	0.0616
6/12/2019 8:00	117338900	0.0036
6/13/2019 8:00	117400300	0.0614
6/14/2019 8:00	117465300	0.0650
6/15/2019 8:00	117526700	0.0614
6/16/2019 8:00	117587300	0.0606
6/17/2019 8:00	117612400	0.0251
6/18/2019 8:00	117612500	0.0001
6/19/2019 8:00	117666500	0.0540
6/20/2019 8:00	117699800	0.0333
6/21/2019 8:00	117758200	0.0584
6/22/2019 8:00	117812000	0.0538
6/23/2019 8:00	117876300	0.0643
6/24/2019 8:00	117939500	0.0632
6/25/2019 8:00	118003700	0.0642
6/26/2019 8:00	118053400	0.0497
6/27/2019 8:00	118115700	0.0623
6/28/2019 8:00	118166000	0.0503
6/29/2019 8:00	118213700	0.0477
6/30/2019 8:00	118275000	0.0613

Total Flow Discharged for Month

1.5110 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 October 9, 2018 by Cold Spring Environmental.



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

978.970.5600 PHONE
978.453.1995 FAX

www.TRCSolutions.com

August 15, 2019

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

Re: July 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

A handwritten signature in blue ink, appearing to read "Michael Plumb".

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 JULY 2019**

	Totalizer Reading	Daily Flow
Date Time	(Gallons)	(MGD)
7/1/2019 8:00	118335800	
7/2/2019 8:00	118397100	0.0613
7/3/2019 8:00	118437300	0.0402
7/4/2019 8:00	118478200	0.0409
7/5/2019 8:00	118517500	0.0393
7/6/2019 8:00	118559700	0.0422
7/7/2019 8:00	118600600	0.0409
7/8/2019 8:00	118642000	0.0414
7/9/2019 8:00	118680100	0.0381
7/10/2019 8:00	118730800	0.0507
7/11/2019 8:00	118780400	0.0496
7/12/2019 8:00	118828000	0.0476
7/13/2019 8:00	118878400	0.0504
7/14/2019 8:00	118922300	0.0439
7/15/2019 8:00	118966800	0.0445
7/16/2019 8:00	119013400	0.0466
7/17/2019 8:00	119069500	0.0561
7/18/2019 8:00	119129100	0.0596
7/19/2019 8:00	119184900	0.0558
7/20/2019 8:00	119245200	0.0603
7/21/2019 8:00	119290500	0.0453
7/22/2019 8:00	119335600	0.0451
7/23/2019 8:00	119393800	0.0582
7/24/2019 8:00	119438800	0.0450
7/25/2019 8:00	119501600	0.0628
7/26/2019 8:00	119552300	0.0507
7/27/2019 8:00	119611200	0.0589
7/28/2019 8:00	119658100	0.0469
7/29/2019 8:00	119702800	0.0447
7/30/2019 8:00	119768600	0.0658
7/31/2019 8:00	119821100	0.0525

Total Flow Discharged for Month 1.4853 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 October 9, 2018 by Cold Spring Environmental.



650 Suffolk St., Suite 200
Lowell, MA 01854

T 978.970.5600
TRCcompanies.com

September 10, 2019

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

Re: August 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

A handwritten signature in blue ink, appearing to read "Michael Plumb".

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 AUGUST 2019**

Date Time	Totalizer Reading (Gallons)	Daily Flow (MGD)
8/1/2019 8:00	119880700	
8/2/2019 8:00	119945900	0.0652
8/3/2019 8:00	119995800	0.0499
8/4/2019 8:00	120038900	0.0431
8/5/2019 8:00	120082200	0.0433
8/6/2019 8:00	120144800	0.0626
8/7/2019 8:00	120188000	0.0432
8/8/2019 8:00	120230100	0.0421
8/9/2019 8:00	120272700	0.0426
8/10/2019 8:00	120304700	0.0320
8/11/2019 8:00	120346500	0.0418
8/12/2019 8:00	120388000	0.0415
8/13/2019 8:00	120418300	0.0303
8/14/2019 8:00	120464100	0.0458
8/15/2019 8:00	120527300	0.0632
8/16/2019 8:00	120593100	0.0658
8/17/2019 8:00	120661500	0.0684
8/18/2019 8:00	120713400	0.0519
8/19/2019 8:00	120756500	0.0431
8/20/2019 8:00	120819300	0.0628
8/21/2019 8:00	120884800	0.0655
8/22/2019 8:00	120946900	0.0621
8/23/2019 8:00	121010600	0.0637
8/24/2019 8:00	121063200	0.0526
8/25/2019 8:00	121127700	0.0645
8/26/2019 8:00	121192000	0.0643
8/27/2019 8:00	121241400	0.0494
8/28/2019 8:00	121308100	0.0667
8/29/2019 8:00	121373300	0.0652
8/30/2019 8:00	121423400	0.0501
8/31/2019 8:00	121490200	0.0668

Total Flow Discharged for Month

1.6095 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 October 9, 2018 by Cold Spring Environmental.



650 Suffolk St., Suite 200
Lowell, MA 01854

T 978.970.5600
TRCcompanies.com

October 15, 2019

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

Re: September 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

A handwritten signature in blue ink, appearing to read "Michael Plumb".

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 SEPTEMBER 2019**

	Totalizer Reading	Daily Flow
Date Time	(Gallons)	(MGD)
9/1/2019 8:00	121556400	
9/2/2019 8:00	121623700	0.0673
9/3/2019 8:00	121691000	0.0673
9/4/2019 8:00	121758200	0.0672
9/5/2019 8:00	121825100	0.0669
9/6/2019 8:00	121891800	0.0667
9/7/2019 8:00	121957900	0.0661
9/8/2019 8:00	122023300	0.0654
9/9/2019 8:00	122088400	0.0651
9/10/2019 8:00	122153300	0.0649
9/11/2019 8:00	122204500	0.0512
9/12/2019 8:00	122253600	0.0491
9/13/2019 8:00	122316900	0.0633
9/14/2019 8:00	122382300	0.0654
9/15/2019 8:00	122447900	0.0656
9/16/2019 8:00	122512000	0.0641
9/17/2019 8:00	122577400	0.0654
9/18/2019 8:00	122640900	0.0635
9/19/2019 8:00	122680100	0.0392
9/20/2019 8:00	122739100	0.0590
9/21/2019 8:00	122802300	0.0632
9/22/2019 8:00	122865100	0.0628
9/23/2019 8:00	122927200	0.0621
9/24/2019 8:00	122980800	0.0536
9/25/2019 8:00	123042100	0.0613
9/26/2019 8:00	123102000	0.0599
9/27/2019 8:00	123162100	0.0601
9/28/2019 8:00	123205000	0.0429
9/29/2019 8:00	123264400	0.0594
9/30/2019 8:00	123322700	0.0583

Total Flow Discharged for Month 1.7663 million gallons

Average Daily Flow 0.06 million gallons

Note:

- 1) The flow meter is calibrated annually during the maintenance shutdown. The last calibration was conducted on October 9, 2018 by Cold Spring Environmental.

APPENDIX B

POTW 2nd Semi-Annual Report of two for 2019



NIAGARA FALLS WATER BOARD WASTEWATER FACILITIES ENFORCEMENT DIVISION

SELF-MONITORING REPORT SIGNIFICANT INDUSTRIAL USERS

PERMIT NO. 55

SHERWOOD FOREST PROPERTIES, LTD

The 2nd Semi-Annual Report

of two for 2019

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: _____

9/13/2019

PART I

ANALYTICAL RESULTS

SIU PERMIT NO. 55 SHERWOOD FOREST PROPERTIES, LTD

Monitoring Station #1

DATE SAMPLED: <u>9/5-6/2019</u>	RESULTS		RESULTS		ANNUAL AVERAGE	ANNUAL AVERAGE
	ug/l	/	ug/l	lbs/day / lbs/day	ug/l	lbs/day
24-HOUR FLOW IN MGD: 0.066						
BENZENE		25		0.0139		0.007
CARBON TETRACHLORIDE		<10		0.0		0.0
CHLORODIBROMOMETHANE						
MONOCHLOROBENZENE		220		0.1225		0.068
DICHLOROBROMOMETHANE						
CHLOROFORM		130		0.0724		0.049
1,1 – DICHLOROETHYLENE		<17		0.0		0.0
1,2 – DICHLOROETHYLENE		<12		0.0		0.0
BROMOFORM						
ETHYLBENZENE						
1,1,2,2 – TETRACHLOROETHANE		660		0.3674		0.289
TETRACHLOROETHYLENE		310		0.1725		0.110
TOLUENE		<9.1		0.0		0.0
1,1,1 – TRICHLOROETHANE		<7.7		0.0		0.0
1,1,2 – TRICHLOROETHANE		13		0.0072		0.0036
TRICHLOROETHYLENE		1300		0.7236		0.498
METHYLENE CHLORIDE		18		0.01		0.005
MONOCHLOROTOLUENES						
MONOCHLOROBENZOTRIFLUOROIDE						
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: <u>9/5-6/2019</u>	RESULTS		RESULTS		ANNUAL AVERAGE	ANNUAL AVERAGE
	ug/l	/ ug/l	lbs/day	/ lbs/day	ug/l	lbs/day
24-HOUR FLOW IN MGD: 0.066						
DIMETHYLPHTHALATE						
BUTYL BENZYL PHTHALATE						
Di-N-BUTHY PHTHALATE						
Di-N-OCTYL PHTHALATE						
DIETHYL PHTHALATE						
NITROSODIPHENYLAMINE						
DICHLOROBENZENES						
DICHLOROTOLUENE						
ACENAPHTHENE						
FLUORANTHENE						
CHRYSENE						
NAPHTHALENE						
BENZO (a) ANTHRACENE						
PYRENE						
TRICHLOROBENZENE		<0.82		0.0		0.0
TRICHLOROTOLUENE						
HEXACHLOROBUTADIENE		<1.0		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: <u>9/5-6/2019</u>	RESULTS		RESULTS		ANNUAL	ANNUAL
	ug/l	/ ug/l	lbs/day	/ lbs/day	AVERAGE ug/l	AVERAGE lbs/day
24-HOUR FLOW IN MGD: 0.066						
PHENANTHRENE						
MONOCHLOROPHENOL						
DICHLOROPHENOL						
MONOCHLOROCRESOL						
TRICHLOROPHENOL		<1.0		0.0		0.0
PENTACHLOROPHENOL						
HEXACHLOROCYCLOHEXANES		7.53		0.0042		0.004
-HEXACHLOROCYCLOHEXANE, alpha		0.40		0.0002		0.000
-HEXACHLOROCYCLOHEXANE, beta		3.5		0.0019		0.002
-HEXACHLOROCYCLOHEXANE, gamma		0.43		0.0002		0.000
-HEXACHLOROCYCLOHEXANE, delta		3.2		0.0018		0.001
PCB's						
ENDOSULFAN I + ENDOSULFAN II + ENDOSULFAN SULFATE						
MIREX						
DECHLORANE PLUS						
HEPTACHLOR + HEPTACHLOR EPOXIDE						

PART I

ANALYTICAL RESULTS

SIU PERMIT NO. 55 SHERWOOD FOREST PROPERTIES, LTD

Monitoring Station #1

DATE SAMPLED: <u>9/5-6/2019</u>	RESULTS		RESULTS		ANNUAL AVERAGE	ANNUAL AVERAGE
	ug/l	/ ug/l	lbs/day	/ lbs/day	ug/l	lbs/day
24-HOUR FLOW IN MGD: 0.066						
1,2,4 – TRICHLOROBENZENE		<0.82		0.0		0.0
1,2 – DICHLOROETHANE		<12		0.0		0.0
1,1,1 – TRICHLOROETHANE						
HEXACHLOROETHANE		<0.60		0.0		0.0
1,1 – DICHLOROETHANE						
1,1,2 – TRICHLOROETHANE						
CHLOROETHANE						
1,2 – DICHLOROBENZENE		270		0.1503		0.075
1,3 – DICHLOROBENZENE		110		0.008		0.006
1,4 – DICHLOROBENZENE		280		0.1559		0.087
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: <u>9/5-6/2019</u>	RESULTS		RESULTS		ANNUAL AVERAGE	ANNUAL AVERAGE
	ug/l	/ ug/l	lbs/day	/ lbs/day	ug/l	lbs/day
24-HOUR FLOW IN MGD: 0.066						
1,2 - DICHLOROPROPANE						
VINYL CHLORIDE						
ACENAPHTHENE						
BENZENE						
CARBON TETRACHLORIDE						
CHLOROBENZENE						
HEXACHLOROBENZENE						
CHLOROFORM						
ETHYLBENZENE						
FLUORANTHENE						
METHYLENE CHLORIDE						
HEXACHLOROBUTADIEN						
NAPHTHALENE						
DI – N – BUTHYL PHTHALATE						
DIMETHYL PHTHALATE						
PHENANTHRENE						
PYRENE						
TRACHLOROETHYLENE						
TOLUENE						
TRICHLOROETHYLENE						
TOTAL CYANIDE		55		0.0306		0.029
TOTAL LEAD						
TOTAL ZINC						

PART I

ANALYTICAL RESULTS

SIU PERMIT NO. 55 SHERWOOD FOREST PROPERTIES, LTD

Monitoring Station #1

DATE SAMPLED: / /	RESULTS		RESULTS		ANNUAL	ANNUAL
	ug/l	/ ug/l	lbs/day	/ lbs/day	AVERAGE ug/l	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)

Ver: 01/16/2019

APPENDIX C

Operation and Maintenance Forms



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17455

DATE

4/1/19

PROJECT #

PO #

CUSTOMER

TRC ENV

PROJECT NAME

SOLVENT SITE

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

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT	MATERIAL
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		

WORK LOG

SITE O & W
4/1 PERFORMED THE
MONTHLY SHUTDOWN

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE

FIELD INSPECTOR SIGNATURE

DATE

DATE



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17544

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
4/8/19			TRC ENV.	SOLVENT SITE

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

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT	MATERIAL
1	PICK-UP TRUCK	18		4" BUTT FUSION MACH.		SCHAEFER #S1556544,001
	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	4/10	SITE O&M
	BREATHING AIR			CHAIN PIPE CUTTER		301 PUMP REPLACEMENT
	HYDRASTIC TEST PUMP			LASER GUN		4/12 REPAIRED TB, LEVEL
1	ROUSTABOUT			OTHER		SWITCHES
	OTHER			OTHER		
	OTHER			OTHER		AND PERFORMED BACKFLOWS AND SENT

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE

FIELD INSPECTOR SIGNATURE

TO THE MP

4/12/19

DATE

DATE



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17525

DATE 4/15/19	PROJECT #	PO #	CUSTOMER TRC ENV.	PROJECT NAME SOLVENT SITE
-----------------	-----------	------	----------------------	------------------------------

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

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT	MATERIAL
/	PICK-UP TRUCK	9		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		

WORK LOG

SITE O&M
4/15 MAN FROM OLIN WORKING
ON OLIN/SOLVENT SITE.
NIAGARA FALLS WATER BOARD GUYS
AT SOLVENT SITE ON 10 AM,
6 PM, 6 AM ON 4/16 AM 10 AM.
REPAIRED THE #01 PUMP

SUB CONTRACTORS

AND DAVE NAUS REPAIR THE
ELECTRICAC ON PUMP 7B.

CONTRACT SUPERVISOR SIGNATURE

FIELD INSPECTOR SIGNATURE

DATE

DATE



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17503

DATE

4/17/19

PROJECT #

PO #

132710
402

CUSTOMER

TRC ENV.

PROJECT NAME

SOLVENT SITE

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

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT	MATERIAL
1	PICK-UP TRUCK	9		4" BUTT FUSION MACH.		NIAGARA FIRE EXT. #34730
	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		WORK LOG
	CORE BORE MACHINE			14" CUTOFF SAW		SITE O&M
	BREATHING AIR			CHAIN PIPE CUTTER		4/17 REPAIRING THE BALLS
	HYDRASTIC TEST PUMP			LASER GUN		IN THE TRUCK & PUMP &
	ROUSTABOUT			OTHER		PIPE,
	OTHER			OTHER		4/18 SYSTEM DOWN AND HAD
	OTHER			OTHER		TO REPLACE TWO LEVEL
						SWITCHES, AND

SUB CONTRACTORS

PICKED UP THE RECHARGED FIRE
EXTINGUISHERS AND INSTALLED
THEM.

[Signature]
CONTRACT SUPERVISOR SIGNATURE

4/19/19
DATE

FIELD INSPECTOR SIGNATURE

DATE



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17476

DATE: 4/23/19 PROJECT # PO # 132710 C102 CUSTOMER TRC ERV. PROJECT NAME SOLVENT SITE

NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 4/22													
2. J. GOLBA	F	2											
3. 4/23													
4. J. GOLBA	F	2											
5. 4/24													
6. J. GOLBA	F	2											
7. 4/25													
8. J. GOLBA	F	2											
9. 4/26													
10. J. GOLBA	F	2											
11.													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT	MATERIAL
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		
	FOUR ABOUT YOU!			OTHER		
	OTHER			OTHER		
	OTHER			OTHER		

WORK LOG

SITE O & M
CUT THE GRASS ON 4/22
& 4/

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE DATE 4/26/19
FIELD INSPECTOR SIGNATURE DATE



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17475

DATE 4/29/19 PROJECT # PO # CUSTOMER TRC CNV. PROJECT NAME SOLVET SITE

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

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT	MATERIAL
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/CL			OTHER		
	OTHER			OTHER		
	OTHER			OTHER		

WORK LOG

SITE O & W
PERFORM THE MONTHLY
REPAIRS, AND EVEN HAD
TO REPAIR THE BOILER,
AND THE 6C WATER 25 GAL
TAKE OUT

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE

DATE

FIELD INSPECTOR SIGNATURE

DATE



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17445

DATE
5/6/19

PROJECT #

PO #

CUSTOMER
TRE ENV.

PROJECT NAME

SOLVAT SITE

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

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

WORK LOG

SITE OF M
5/9 REPAIRED 2B &
CLEANED OUT THE
2B PUMP SCREENS

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE

FIELD INSPECTOR SIGNATURE

DATE

DATE

DAILY WORK REPORT

17444

DATE
5/13/19

PROJECT #

PO #

CUSTOMER

TRL ENV.

PROJECT NAME

SOLVENT SITE

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

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT	MATERIAL
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		

WORK LOG

SITE O&W

SUB CONTRACTORS

John H. J...
CONTRACT SUPERVISOR SIGNATURE

5/17/19

DATE

FIELD INSPECTOR SIGNATURE

DATE



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17538

DATE

PROJECT #

PO #

CUSTOMER

PROJECT NAME

5/20/19

TRC ENV.

SOLVENT SITE

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

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT	MATERIAL
1	PICK-UP TRUCK	11		4" BUTT FUSION MACH.		
1	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		

WORK LOG

SITE DEM
5/24 REPAIRED THE
LEVEL SWITCH PUMP
WITH ALL THE BALLS.

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE

DATE

FIELD INSPECTOR SIGNATURE

DATE



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17443

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
5/27/19			TRE ENV.	SOLVENT SITE

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

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT	MATERIAL
1	PICK-UP TRUCK	26		4" BUTT FUSION MACH.		LAKES PIPE # DB1321
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.		NIAGARA SUPPLY # 1-5709
	GAS WELDER			EXTRUSION GUN		NIAGARA SUPPLY # 1-5710
	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		

WORK LOG

SITE O & M.
5/28 MONTHLY'S & REPAIRED THE
401 PUMP.
5/29 OIL/WATER SEPERATOR
AND MONTHLY'S AND FINISHED
THE 401 PUMP
5/30 COMPLETED METERS, 6C,

SUB CONTRACTORS

5/30 2B LEVEL SWITCH
& COMPLETED ALL MONTHLY
TASKS. AND JIM AMORETTI
INSTALLED THE NEW PUMP BOTTOM S

John Golba
CONTRACT SUPERVISOR SIGNATURE

DATE

FIELD INSPECTOR SIGNATURE

DATE



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17442

DATE	PROJECT #	PO #	CUSTOMER	PROJECT NAME
5/31/19			TRC ENV.	SOLVENT SITE.

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

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

WORK LOG

SITE O & W
INSTALLED THE 30 FEET
SCAFFOLDING FOR THE
BALLS, THAT ARE COMING
IN SOON.
4

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE

DATE

FIELD INSPECTOR SIGNATURE

DATE

DAILY WORK REPORT

17369

DATE		PROJECT #		PO #		CUSTOMER			PROJECT NAME			
6/3/19						TRC ENV.			SOLVENT SITE			
STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
F 2												
F 2												
F 2												
F 2												
F 4												
J 8												
											</	

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT	MATERIAL
1	PICK-UP TRUCK	16		4" BUTT FUSION MACH.		CROSDACE FABS #11861
	ELECTRIC WELDER			6-14" BUTT FUSION MACH.		LAKES PIPE #596374
	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		

WORK LOG

SITE O&M
WORKED ON 6/7 -
REPLACED SITE GLASS FOR
LEVEL SWITCHES ON STRIPPER.
COULDN'T SEE THRU, CLEANED BALLS
THAT HAD BROKEN OUT OF 401 IMPPELLER
PUMP, INSPECTED 2B WELL PUMP

SUB CONTRACTORS

PROPERLY WILL NEED TO BE
CLEANED.

WATER NOT FLOWING THRU SCREENS

CONTRACT SUPERVISOR SIGNATURE

FIELD INSPECTOR SIGNATURE

DATE

John J. Jella 6/7/19



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17440

DATE 6/10/19	PROJECT #	PO #	CUSTOMER TRC ENV.	PROJECT NAME SOLVENT SITE
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NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 6/10													
2. J. GARZA	F	8											
3. 6/11													
4. J. GOLBA	F	2											
5. 6/12													
6. J. GOLBA	F	2											
7. 6/13													
8. J. GOLBA	F	2											
9. 6/14													
10. J. GOLBA	F	2											
11.													
12.													
13.													

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT	MATERIAL
1	PICK-UP TRUCK	1/6		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		

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE

FIELD INSPECTOR SIGNATURE

DATE

DATE

WORK LOG

SITE O&M

6/10 PERFORMED ALL THE WORK TO START THE BOILER & RUN THE



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17409

DATE

6/17/19

PROJECT #

PO #

CUSTOMER

TRC ENV.

PROJECT NAME

SOLVENT

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

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT	MATERIAL
1	PICK-UP TRUCK	21		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		

WORK LOG

SITE O&M

WORKED WITH STEVE NOBOZNY
ON 6/15 & 6/19 & 6/21

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE

FIELD INSPECTOR SIGNATURE

DATE

DATE

DAILY WORK REPORT

17456

DATE: 6/24/19 PROJECT #: PO #: CUSTOMER: TRC ENV. PROJECT NAME: SOLVENT SITE

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

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT	MATERIAL	
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			
	WFE 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			

WORK LOG

SITE O & M
6/27
PERFORMED THE MONTHLY
TASKS
6/28
PERFORMED THE BALLS, BAD
REPLACEMENT

SUB CONTRACTORS

ADD STARTED THE SYSTEM
BACK UP TO WORK WELL
UNTIL THE NEW BALLS
COME IN HERE.

CONTRACT SUPERVISOR SIGNATURE: [Signature] DATE: 6/28/19
FIELD INSPECTOR SIGNATURE: DATE:



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17457

DATE 7/1/19 PROJECT # PO # CUSTOMER TRC ENV, PROJECT NAME SOLVENT SITE

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

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT	MATERIAL							
<u>1</u>	PICK-UP TRUCK	<u>8 hr</u>		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	<u>1</u>		OTHER									
	OTHER			OTHER									
	OTHER			OTHER									

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE

FIELD INSPECTOR SIGNATURE

DATE

DATE



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17367

DATE 7/8/19 PROJECT # PO # CUSTOMER TRC ENV PROJECT NAME Solvent Site

NAME

STRAIGHT TIME

TH OVERTIME

DB OVERTIME

MEALS

TL HRS RATE AMOUNT HRS RATE AMOUNT HRS RATE AMOUNT QTY. RATE AMOUNT

1. 718

2. J. Gara

3. B. Slack

4. 7/9

5. J. Gara

6. 7/10/19

7. J. GARA

8. R. CROSSLEY

9. 7/11/19

10. J. GARA

11. 7/12/19

12. J. GARA

13. B. SLACK

QTY.

EQUIPMENT USED

UNIT

QTY.

EQUIPMENT USED

UNIT

MATERIAL

1

PICK-UP TRUCK

20

4" BUTT FUSION MACH.

ELECTRIC WELDER

6-14" BUTT FUSION MACH.

GAS WELDER

EXTRUSION GUN

PRESTOLITE TORCH

4400 GENERATOR

CUTTING TORCH

6300 GENERATOR

HELI ARC

SAFETY HARNESS

TFE FLAIR TOOL

RETRIEVAL DEVICE

PIPE MACHINE

HILTI HAMMER DRILL

CHAIN FALLS

AIR COMPRESSOR

COME ALONG

GAS TRASH PUMP

PORTO BAND SAW

PLASTIC WELD GUN

CORE BORE MACHINE

14" CUTOFF SAW

BREATHING AIR

CHAIN PIPE CUTTER

HYDRASTIC TEST PUMP

LASER GUN

ROUSTABOUT

OTHER

OTHER

OTHER

OTHER

OTHER

WORK LOG

O + M DAILY
PULED AND CLEANED 5B
MET & UNLOADED NEW
BALLS FOR STRIPPER
2B METER CLEANED NOT
RUNNING PROPERLY
REPLACED BALLS

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE

DATE

FIELD INSPECTOR SIGNATURE

DATE



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17345

DATE 7/15/19	PROJECT #	PO #	CUSTOMER TRC ENV	PROJECT NAME Solvent Site
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NAME	STRAIGHT TIME				TH OVERTIME			DB OVERTIME			MEALS		
	TL	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	HRS	RATE	AMOUNT	QTY.	RATE	AMOUNT
1. 7/15/19													
2. J. GARA	F	4											
3. R. CRUSSEY	J	4											
4. 7/16/19													
5. J. GARA	F	2											
6. 7/17/19													
7. J. GARA	F	2											
8. 7/18/19													
9. J. GARA	F	2											
10. 7/19/19													
11. J. GARA	F	2											
12.													
13.													

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

WORK LOG

SETT O + M
TOOK DOWN SCAFFOLDING
FOR NEW MEDIA
BALLS

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE

DATE

FIELD INSPECTOR SIGNATURE

DATE



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17342

DATE

7/22/19

PROJECT #

PO #

CUSTOMER

TRC ENV

PROJECT NAME

Solved Site

NAME

STRAIGHT TIME

TH OVERTIME

DB OVERTIME

MEALS

TL

HRS

RATE

AMOUNT

HRS

RATE

AMOUNT

HRS

RATE

AMOUNT

QTY.

RATE

AMOUNT

1. 7/22/19

2. J. GARA

F 2

3. 7/23/19

4. J. GARA

F 2

5. 7/24/19

6. J. GARA

F 2

7. 7/25/19

8. J. GARA

F 8

9. J. LEHMAN

J 8

10. 7/26/19

11. J. GARA

F 2

12.

13.

QTY.

EQUIPMENT USED

UNIT

QTY.

EQUIPMENT USED

UNIT

MATERIAL

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

WORK LOG

SEE OPM
DED MONTHLY
MAINT.

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE

DATE

FIELD INSPECTOR SIGNATURE

DATE



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17341

DATE

7/29-8/4

PROJECT #

PO #

CUSTOMER

TRC

PROJECT NAME

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. 7/29/19

3. J. GARA

F 2

4. 7/30/19

5. J. GARA

F 2

6. 7/31/19

7. J. GARA

F 2

8. 8/1/19

9. J. GARA

F 6

10. 8/2/19

11.

12.

13.

QTY.

EQUIPMENT USED

UNIT

QTY.

EQUIPMENT USED

UNIT

MATERIAL

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

DAILY O + M, CHECKING
2A + 4A NOT RUNNING
PROPERLY, MADE LIST OF
PUMPS, MOTORS, TRANSFORMERS
ETC THAT ARE NEEDED

WORK LOG

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE

DATE

FIELD INSPECTOR SIGNATURE

DATE



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17340

DATE

8/5-8/9

PROJECT #

PO #

CUSTOMER

TRC

PROJECT NAME

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

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT
1	PICK-UP TRUCK	28 HRS		4" BUTT FUSION MACH.	1
	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	1		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

NEAGART SUPPLY - # 6473
LAKES PIPE - # 10487

WORK LOG

DAILY O+M, PULLED 4A
+ CLEANED, REPLACED
LEVEL SWITCH AND TRANSDUCER
SETTING UP TO POWER WASH
2B. CKD 2A. LEVEL SWITCH
CLEANED. READY TO POWER WASH
2B

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE

DATE

FIELD INSPECTOR SIGNATURE

DATE



PLUMBING & MECHANICAL, INC.

8/12-8/18

DAILY WORK REPORT

17353

DATE

PROJECT #

PO #

CUSTOMER

PROJECT NAME

TEC

O-pm

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. J. LEHMANN

J

8

HAZMAT

3. 8/12/19

4. J. GARA

F

8

5. J. LEHMANN

J

8

6. J. AMORETTE

J

8

7. N. SHULTZ

J

8

8. 8/13/19

9. J. GARA

F

8

10. J. LEHMANN

J

8

11. 8/14/19

12. J. GARA

F

2

J. GARA

F-2

13. ~~J. LEHMANN~~

8/15

8/16/19

QTY.

EQUIPMENT USED

UNIT

QTY.

EQUIPMENT USED

UNIT

MATERIAL

1 PICK-UP TRUCK

28

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

WORK LOG

CONNECT PIPES & POWER WASH
2B, CLEAN 2B PUMP, ACID
TREAT 2B, INSTALL 2B,
PULL 6B & CLEAN PUMP
ACID TREAT, PUT NEW MOTOR
& WIRE ON 6B, INSTALLED
6B KICKED, ELECTRICIAN
CLEANED WIRES IN MANHOLE
RUNNING GOOD. DAILY O-pm

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE

DATE

FIELD INSPECTOR SIGNATURE

DATE



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17323

DATE
8-19/8-25

PROJECT #

PO #

CUSTOMER
TRCPROJECT NAME
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
2. J. LEHMANN
3. 8/19/19
4. J. GARA
5. 8/20/19
6. J. GARA
7. J. LEHMANN
8. 8/21/19
9. J. GARA
10. 8/22/19
11. J. GARA

F 4
J 4

F 2

F 4
J 4

F 2

F 3

QTY.

EQUIPMENT USED

UNIT

QTY.

EQUIPMENT USED

UNIT

MATERIAL

1 PICK-UP TRUCK 15 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

DAILY O + M,
WORKED ON GB
FOUND PROBLEM,
REPLACED AC DRIVE

WORK LOG

SUB CONTRACTORS

GDI - ELECTRICAL

CONTRACT SUPERVISOR SIGNATURE

DATE

FIELD INSPECTOR SIGNATURE

DATE



PLUMBING & MECHANICAL, INC.

DAILY WORK REPORT

17350

DATE

PROJECT #

PO #

CUSTOMER

PROJECT NAME

8/26-9/19

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.	J. LEHMAN	J	4										
3.	8/26												
4.	J. GARA	F	4										
5.	J. LEHMAN	J	4										
6.	8/27												
7.	J. GARA	F	2										
8.	8/28												
9.	J. ANDREWS	F	8										
10.	N. SCHULTZ	J	8										
11.	8/29												
12.	J. GARA	F	2										
13.	8/30												

QTY.	EQUIPMENT USED	UNIT	QTY.	EQUIPMENT USED	UNIT	MATERIAL
1	PICK-UP TRUCK	20 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		

WORK LOG

DAILY O+M,
CLEANED LEVEL
SWITCHES, 6B STARTER
ADJUSTED

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE

DATE

FIELD INSPECTOR SIGNATURE

DATE



PLUMBING & MECHANICAL, INC.

9/2-9/6 DAILY WORK REPORT

17319

DATE

9/2-8/19

PROJECT #

PO #

CUSTOMER

TRC

PROJECT NAME

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. 9/2/19

3. J. GARA

F 2

4. 9/3/19

5. J. GARA

F 4

6. 9/4/19

7. J. GARA

F 8

8. 9/5/19

9. J. GARA

F 4

10. 9/6/19

11.

12.

13.

QTY.

EQUIPMENT USED

UNIT

QTY.

EQUIPMENT USED

UNIT

MATERIAL

1 PICK-UP TRUCK

30

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

WORK LOG

DAILY O + M, AUT
SAMPLE BAGS IN/IF, 5F,
6F. PICKING UP & DROPPING
24 HOUR QUARTERLY TESTING

SUB CONTRACTORS

CONTRACT SUPERVISOR SIGNATURE

DATE

FIELD INSPECTOR SIGNATURE

DATE

APPENDIX D

PDB Sampling Logs



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

Solvent Chemical
105146-000040-00000

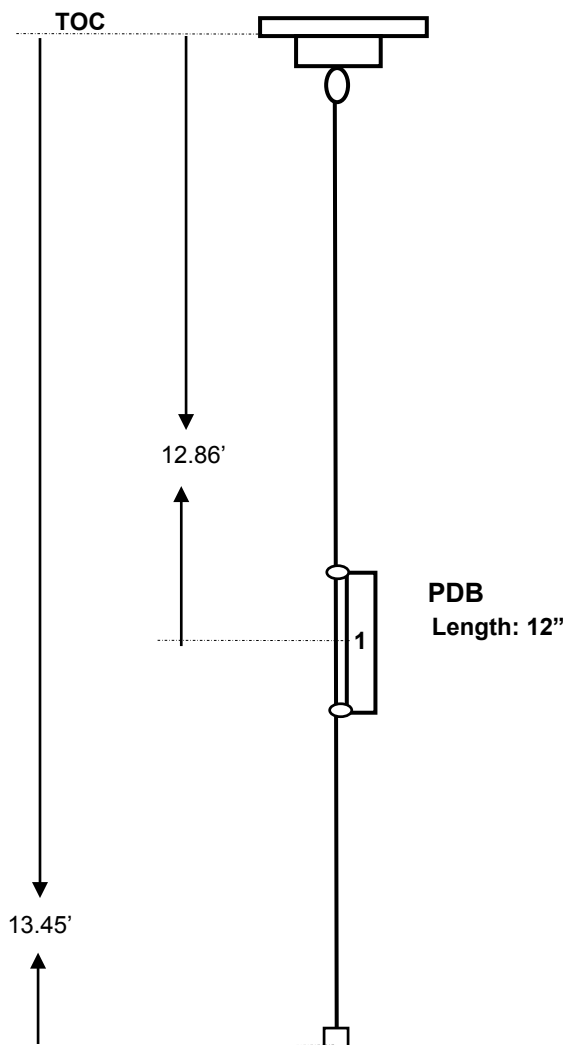
Well ID:
MW-2A

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/07/2019
Time: 15:05
DTW (ft): 7.49

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/24/2019
DTW (ft): 11.87



Sample #: MW-2A
Sample Time: 09:45
Evidence of algae, iron or
other coatings?: _____

**Measured well depth during
installation:**

DTB: 13.45 ft.

Field Notes (Installation):

PID = 0.03 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

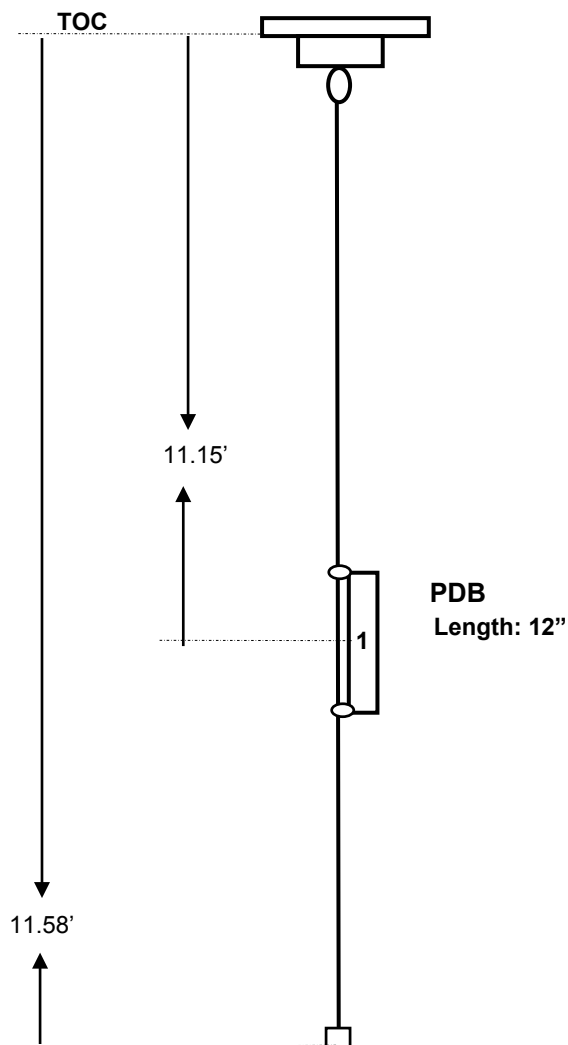
Well ID:
MW-5A

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 11:20
DTW (ft): 9.25

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/24/2019
DTW (ft): 10.40



Sample #: MW-5A

Sample Time: 11:42

Evidence of algae, iron or
other coatings?: _____

Measured well depth during
installation:

DTB: 11.70

Field Notes (Installation):

PID = 0.0 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

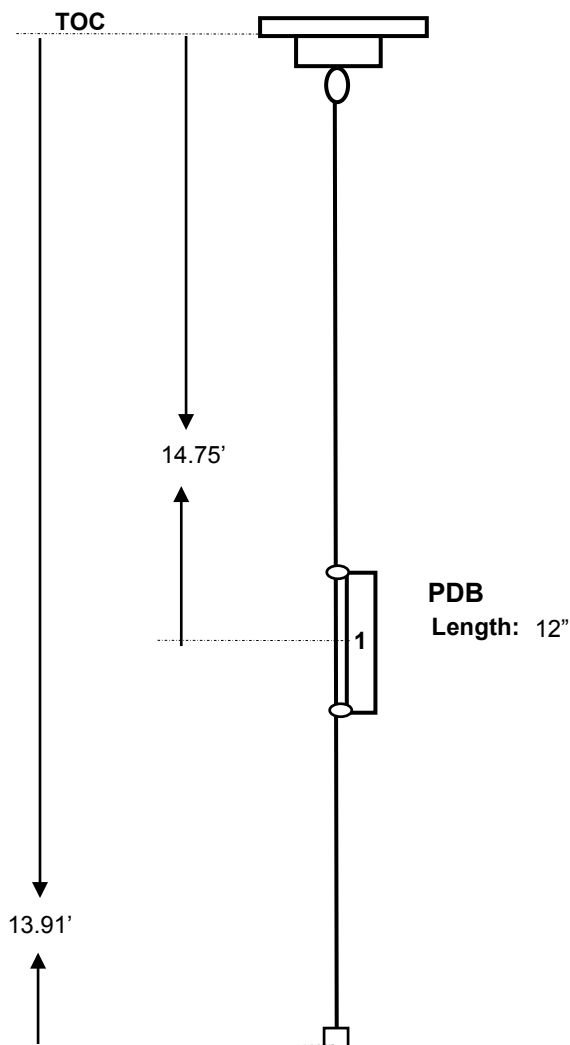
Well ID:
OW-9A

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 11:45
DTW (ft): 13.01

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/24/2019
DTW (ft): 12.85



Sample #: OW-9A

Sample Time: 12:00

Evidence of algae, iron or
other coatings?: _____

Measured well depth during
installation:

DTB: 15.52 ft

Field Notes (Installation):

PID = 70.1 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

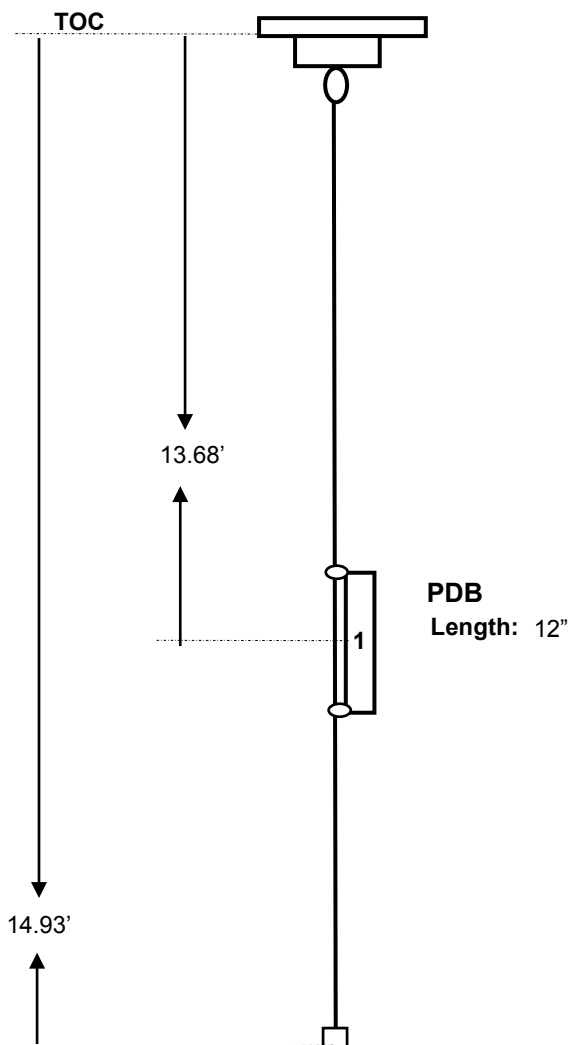
Well ID:
OW-12A

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 14:45
DTW (ft): 11.33

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 11.65



Sample #: OW-12A
Sample Time: 14:10
Evidence of algae, iron or
other coatings?: _____

**Measured well depth during
installation:**

DTB: 14.79 ft

Field Notes (Installation):

PID = 0.1 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

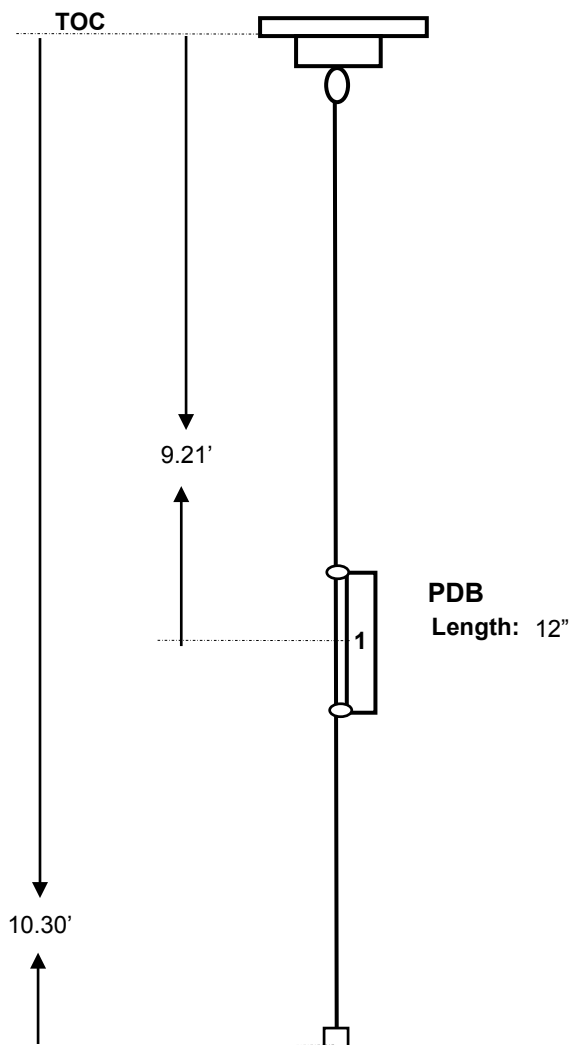
Well ID:
OW-15A

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 12:15
DTW (ft): 6.15

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/24/2019
DTW (ft): 7.28



Sample #: OW-15A

Sample Time: 14:40

Evidence of algae, iron or
other coatings?: _____

Measured well depth during
installation:

DTB: 10.25 ft

Field Notes (Installation):

PID = 0.2 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

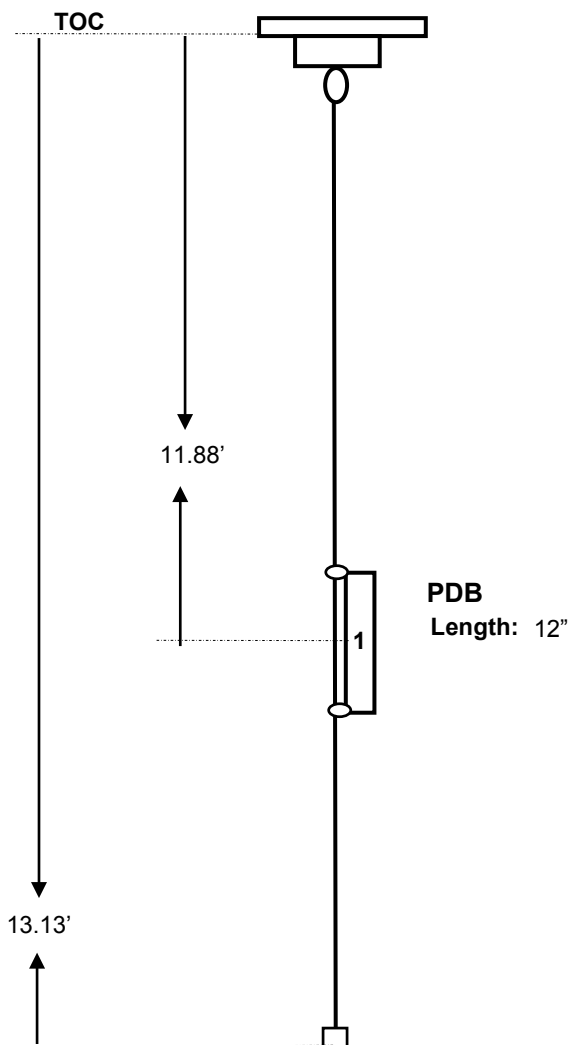
Well ID:
OW-16A

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 09/11/2018
Time: 11:52
DTW (ft): 10.39

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/24/2019
DTW (ft): 9.80



Sample #: OW-16A

Sample Time: 12:12

Evidence of algae, iron or
other coatings?: _____

Measured well depth during
installation:

DTB: 13.34 ft

Field Notes (Installation):

PID = 0.1 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

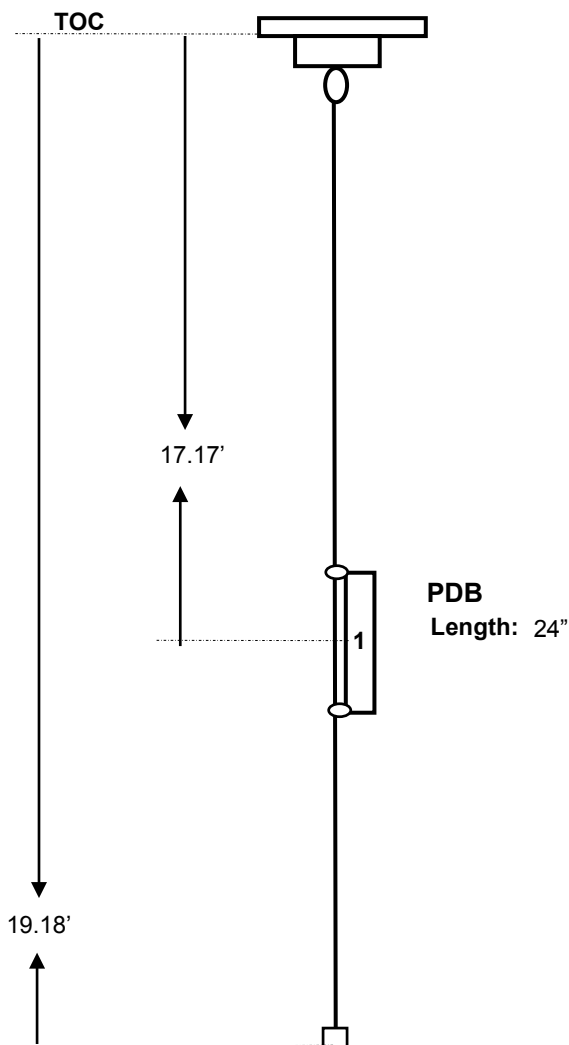
Well ID:
OW-18A

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/06/2019
Time: 12:15
DTW (ft): 10.04

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/24/2019
DTW (ft): 11.80



Collect MS/MSD 9 VOA vials

Sample #: OW-18A
Sample Time: 09:15
Evidence of algae, iron or other coatings?: _____

Measured well depth during installation:

DTB: 19.60 ft

Field Notes (Installation):

PID = 18.5 ppm

Field Notes (Sampling):

Collect MS/MSD



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

Solvent Chemical
105146-000040-00000

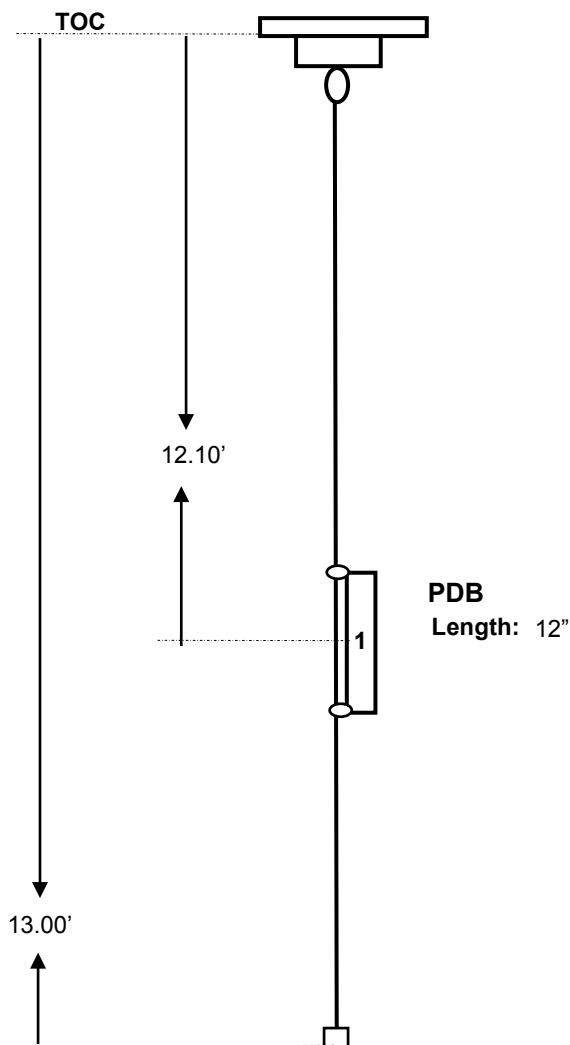
Well ID:
OW-22A

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/06/2019
Time: 10:56
DTW (ft): 6.65

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 12.43



Sample #: OW-22A

Sample Time: 10:38

Evidence of algae, iron or
other coatings?: _____

**Measured well depth during
installation:**

DTB: 13.01 ft

Field Notes (Installation):

PID = 0.0 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

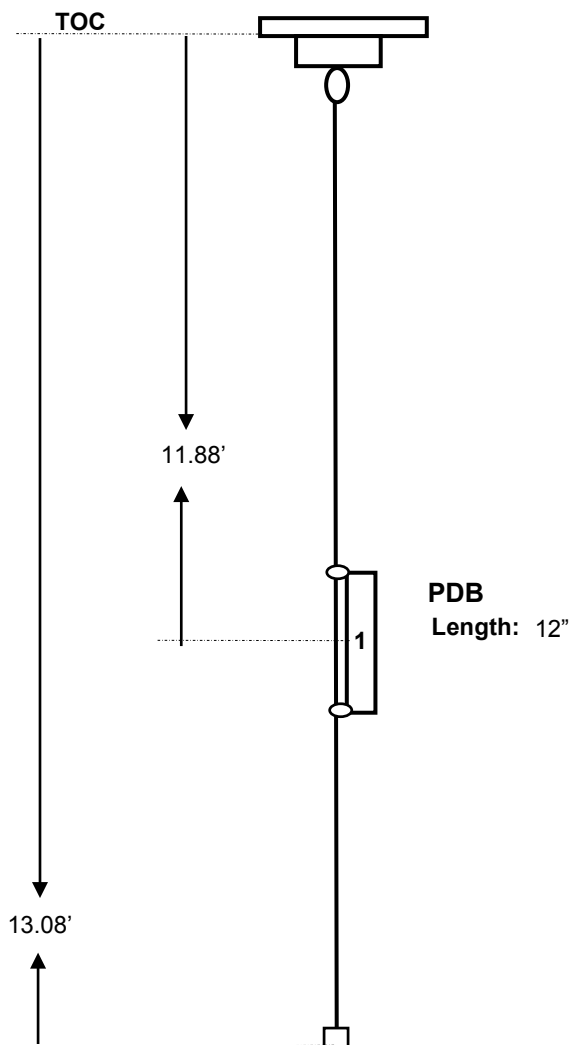
Well ID:
OW-29A

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/06/2019
Time: 12:45
DTW (ft): 8.70

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 9.91



Sample #: OW-29A

Sample Time: 15:20

Evidence of algae, iron or
other coatings?: _____

Measured well depth during
installation:

DTB: 12.79 ft

Field Notes (Installation):

PID = 1.7 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

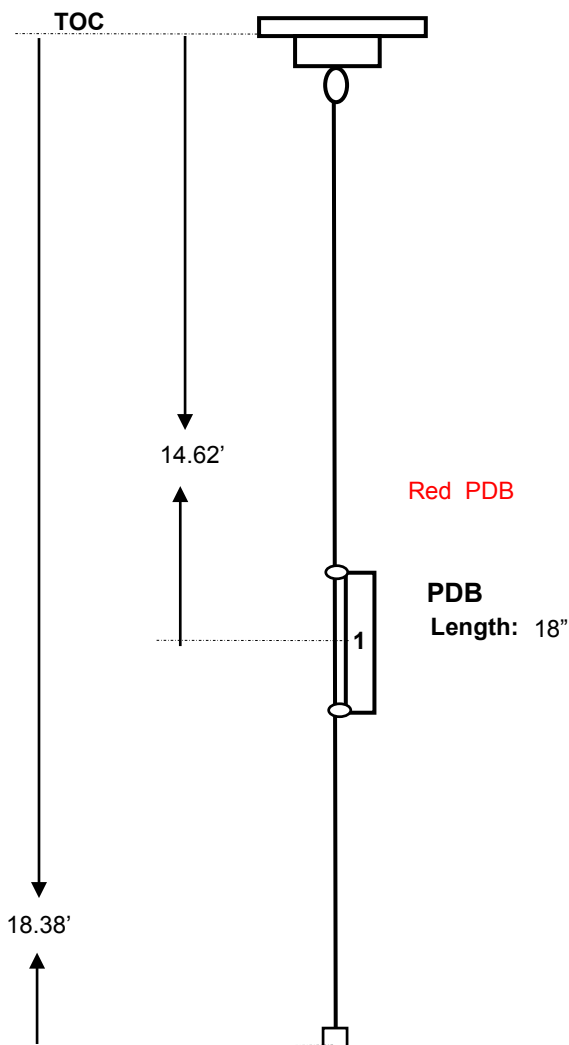
Well ID:
MW-1B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 14:10
DTW (ft): 8.50

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 9.33



Sample #: MW-1B
Sample Time: 14:22
Evidence of algae, iron or other coatings?: _____

Measured well depth during installation:

DTB: 18.80 ft

Field Notes (Installation):

PID = 1.9 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

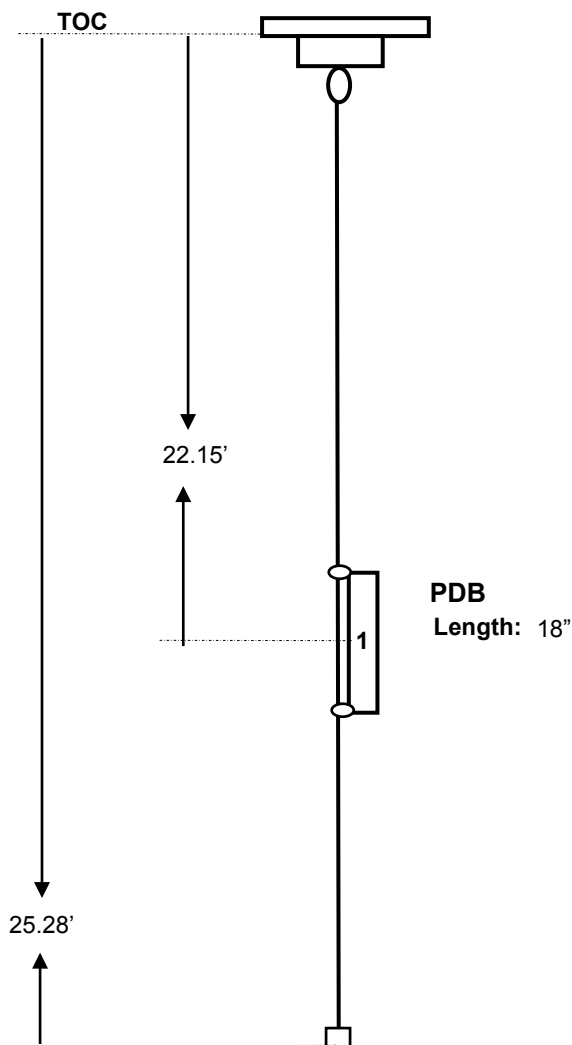
Well ID:
MW-4B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 12:55
DTW (ft): 18.05

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/24/2019
DTW (ft): 18.00



Sample #: MW-4B
Sample Time: 15:22
Evidence of algae, iron or other coatings?: _____

Measured well depth during installation:

DTB: 25.50 ft

Field Notes (Installation):

PID = 0.2 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

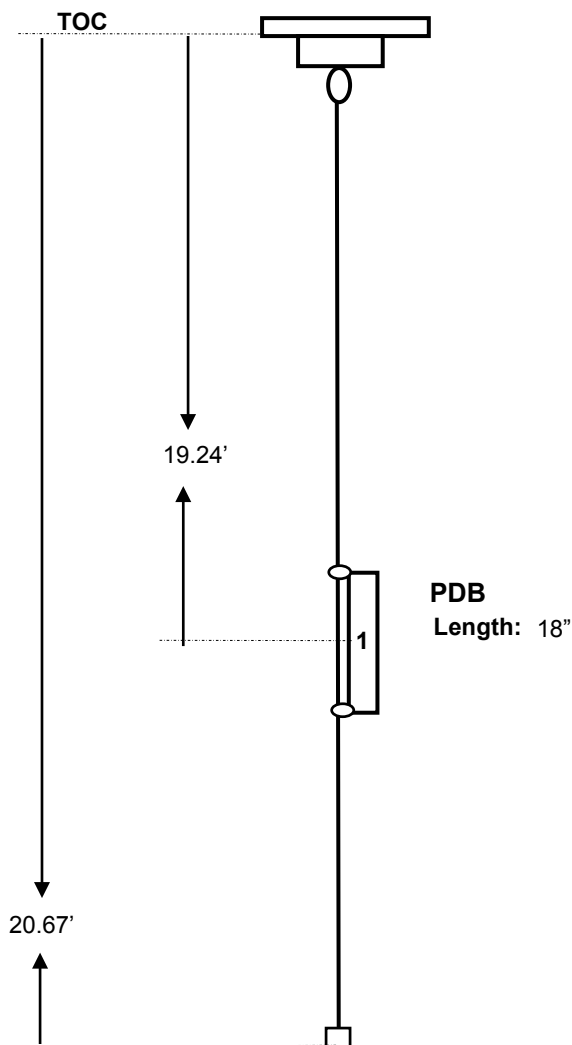
Well ID:
MW-6B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/06/2019
Time: 12:55
DTW (ft): 17.00

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 20.32



Sample #: MW-6B

Sample Time: 13:00

Evidence of algae, iron or
other coatings?: _____

Measured well depth during
installation:

DTB: 19.21 ft

Field Notes (Installation):

PID = 0.6 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

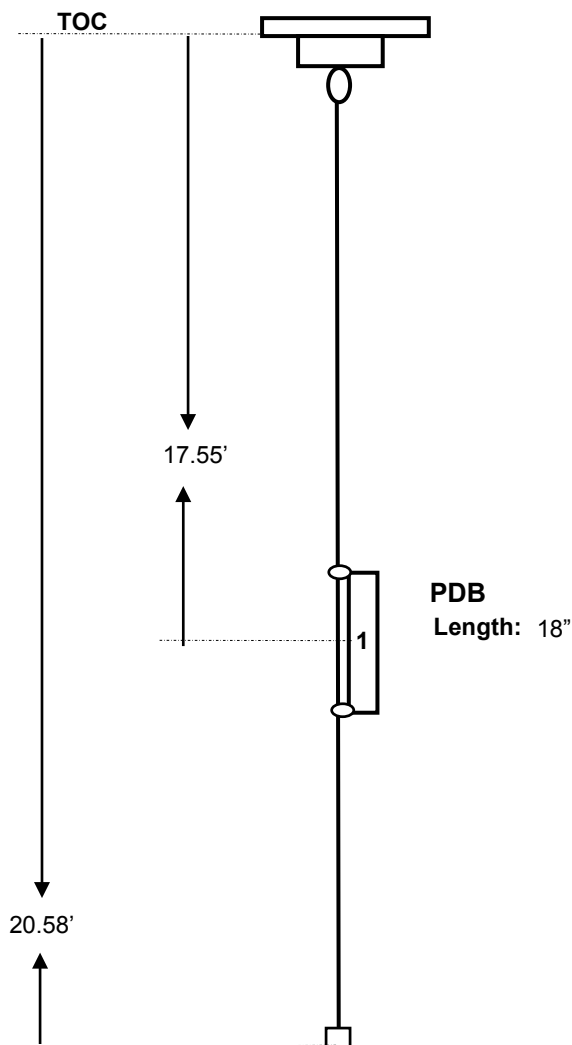
Well ID:
OW-5B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 09/06/2019
Time: 13:50
DTW (ft): 11.46

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 11.77



Duplicate Sample: OW-115B

Sample #: OW-5B
Sample Time: 11:37
Evidence of algae, iron or other coatings?: _____

Measured well depth during installation:

DTB: 21.00 ft

Field Notes (Installation):

PID = 50.2 ppm

Field Notes (Sampling):

DUP Sample Time: 14:50



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

Solvent Chemical
105146-000040-00000

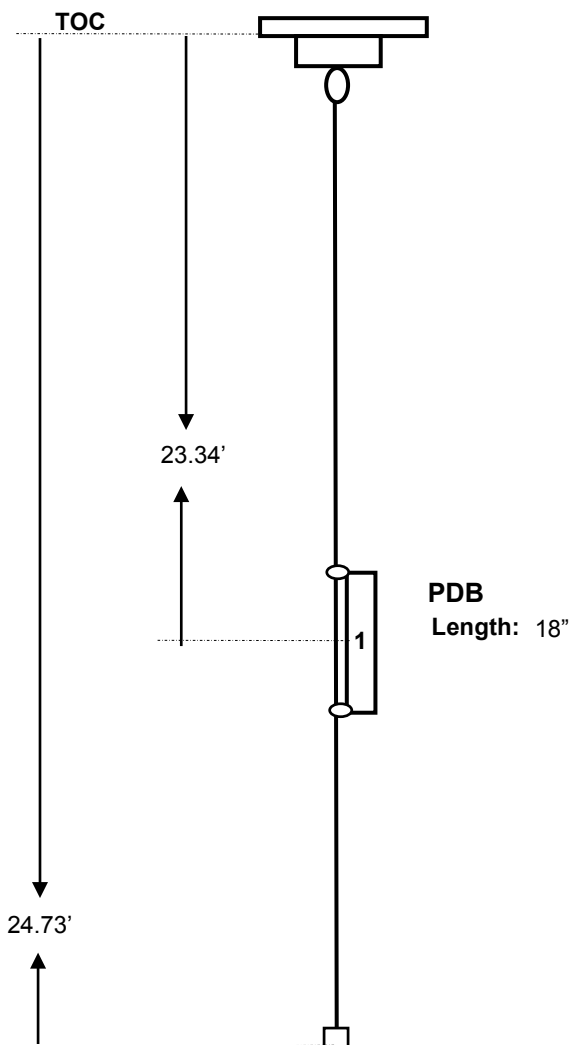
Well ID:
OW-6B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 13:10
DTW (ft): 21.35

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 20.32



Sample #: OW-6B

Sample Time: 13:00

Evidence of algae, iron or
other coatings?: _____

**Measured well depth during
installation:**

DTB: 25.24 ft

Field Notes (Installation):

PID = 1.9 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

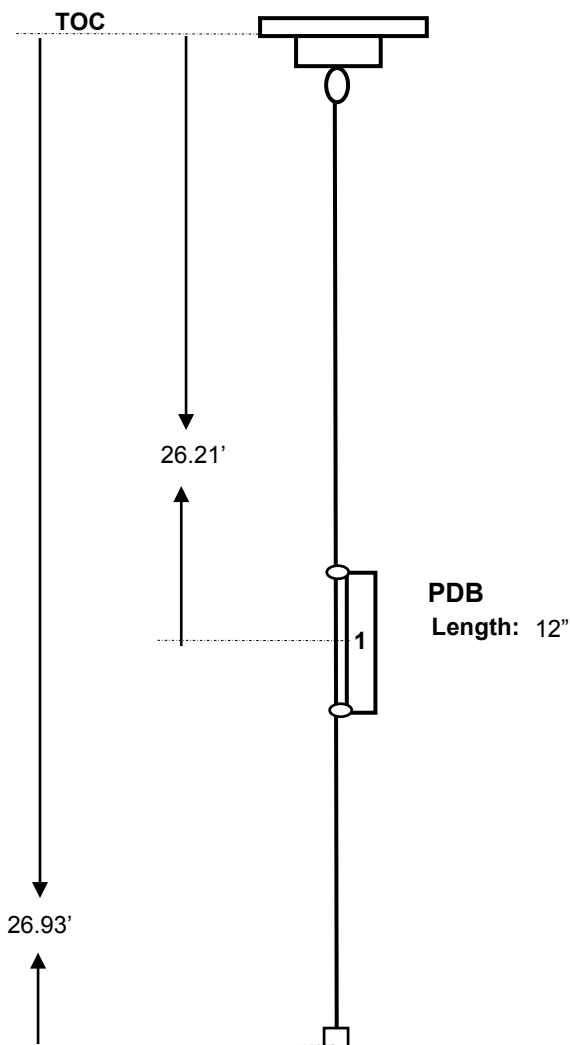
Well ID:
OW-7B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 13:15
DTW (ft): 26.55

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 26.65



Sample #: OW-7B

Sample Time: 13:05

Evidence of algae, iron or
other coatings?: _____

**Measured well depth during
installation:**

DTB: 27.07 ft

Field Notes (Installation):

PID = 0.2 ppm

Field Notes (Sampling):

PDB not fully submerged in water



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

Solvent Chemical
105146-000040-00000

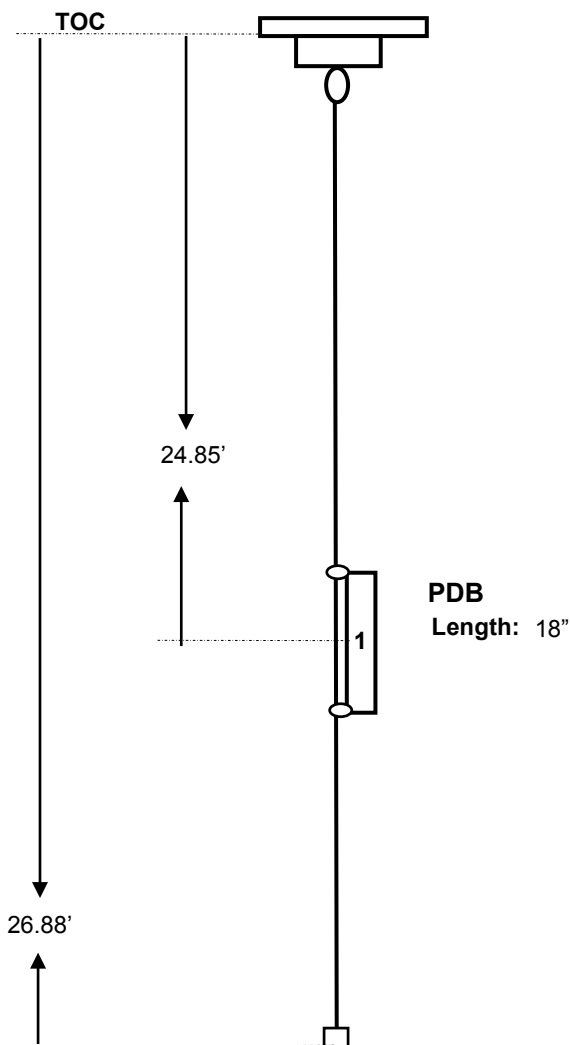
Well ID:
OW-8B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 13:30
DTW (ft): 23.48

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 23.30



Sample #: OW-8B
Sample Time: 13:20
Evidence of algae, iron or other coatings?: _____

Measured well depth during installation:

DTB: 27.02 ft

Field Notes (Installation):

PID = 1.1 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

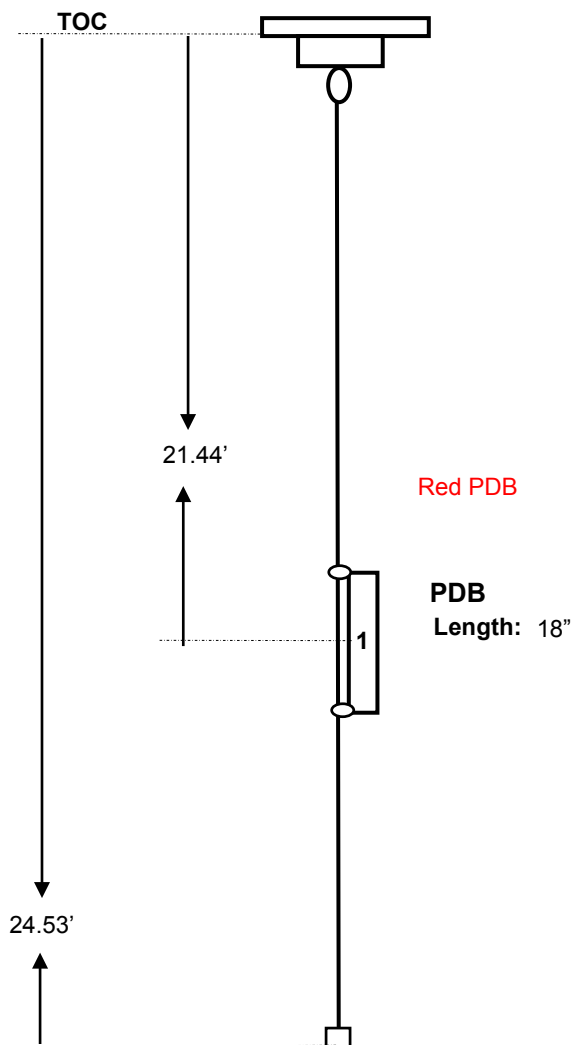
Well ID:
OW-10B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 14:55
DTW (ft): 14.50

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 15.53



Sample #: OW-10B
Sample Time: 14:50
Evidence of algae, iron or other coatings?: _____

Measured well depth during installation:

DTB: 24.90 ft

Field Notes (Installation):

PID = 18.3 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

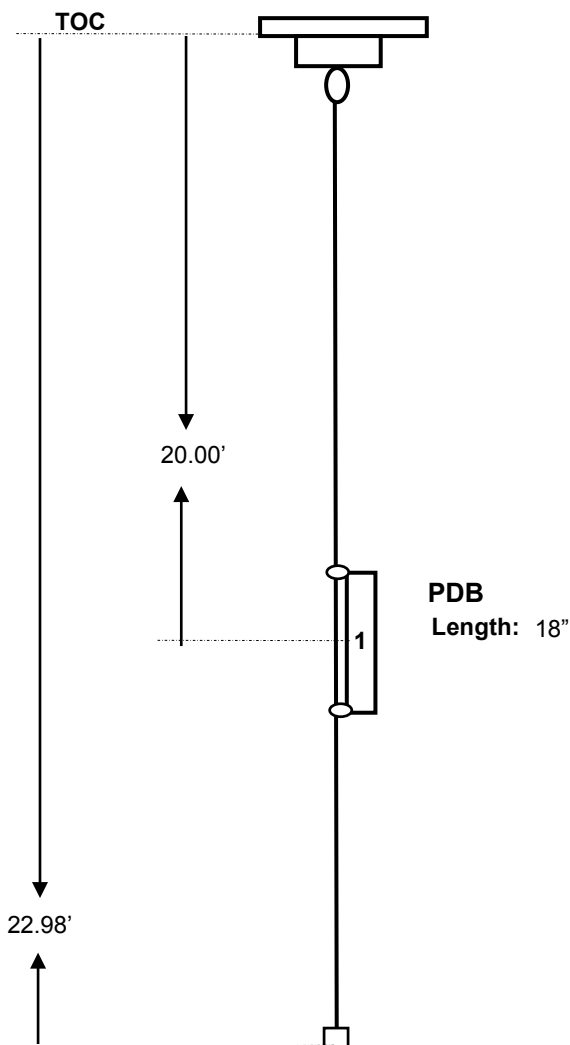
Well ID:
OW-11B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/06/2019
Time: 12:30
DTW (ft): 15.20

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 15.06



Duplicate Sample: OW-111B

Sample #: OW-11B

Sample Time: 15:05

Evidence of algae, iron or
other coatings?: _____

**Measured well depth during
installation:**

DTB: 23.46 ft

Field Notes (Installation):

PID = 19.3 ppm

Field Notes (Sampling):

DUP Sample Time is 13:30



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

Solvent Chemical
105146-000040-00000

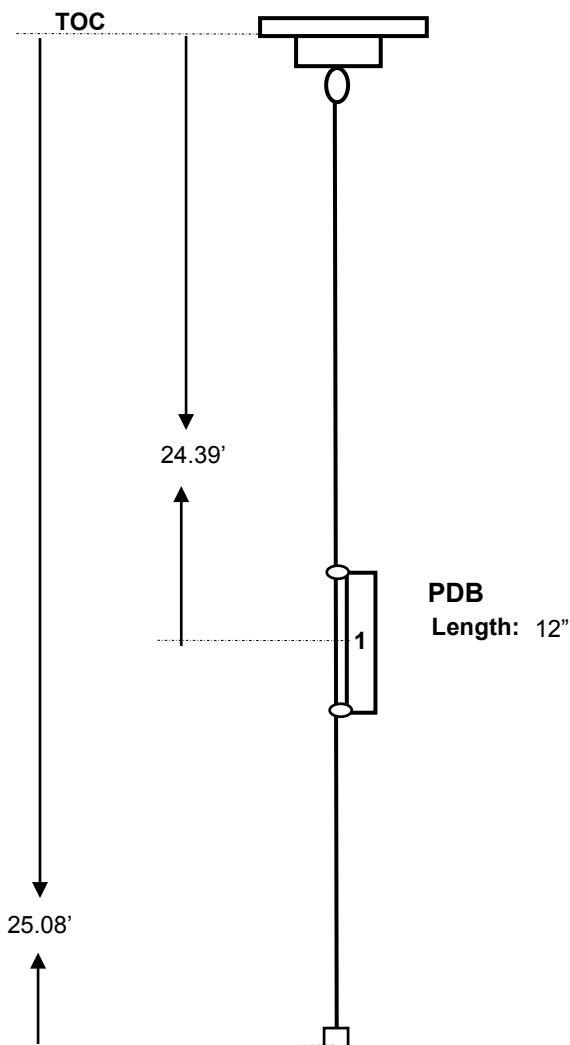
Well ID:
OW-12B

Installation of PDBs:

TRC Personnel: G Pearsall/ H. Corbett
Date: 03/05/2019
Time: 11:40
DTW (ft): 24.08

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/24/2019
DTW (ft): 24.05



Sample #: OW-12B

Sample Time: 11:24

Evidence of algae, iron or
other coatings?: _____

Measured well depth during
installation:

DTB: 25.08 ft

Field Notes (Installation):

PID = 0.2 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

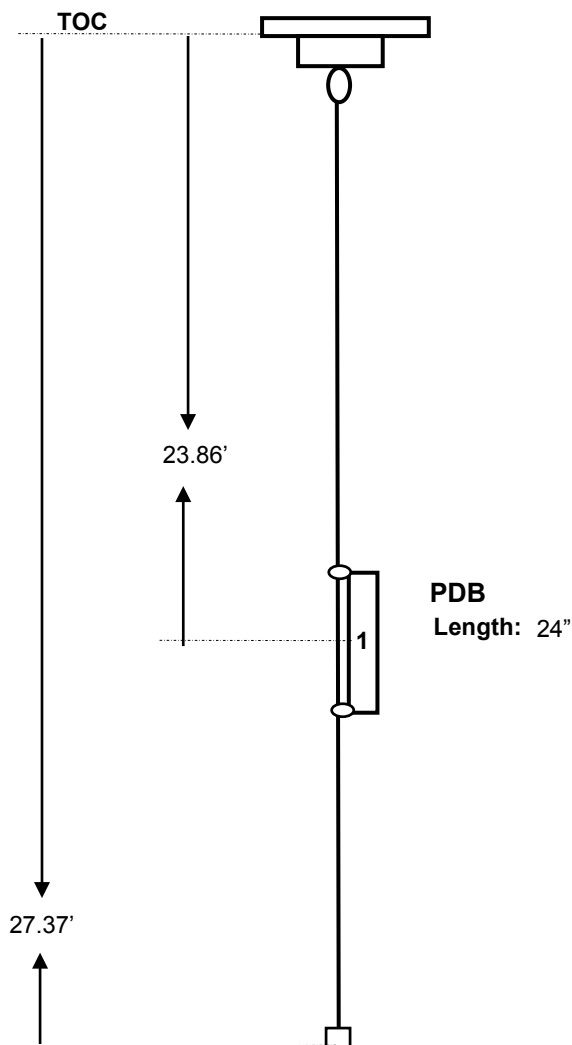
Well ID:
OW-13B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 12:00
DTW (ft): 18.20

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/24/2019
DTW (ft): 18.23



Duplicate Sample OW-113B

Sample #: OW-13B
Sample Time: 12:19
Evidence of algae, iron or
other coatings?: _____

Measured well depth during
installation:

DTB: 27.82

Field Notes (Installation):

PID = 7.6 ppm

Field Notes (Sampling):

DUP Sample Time is 13:00



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

Solvent Chemical
105146-000040-00000

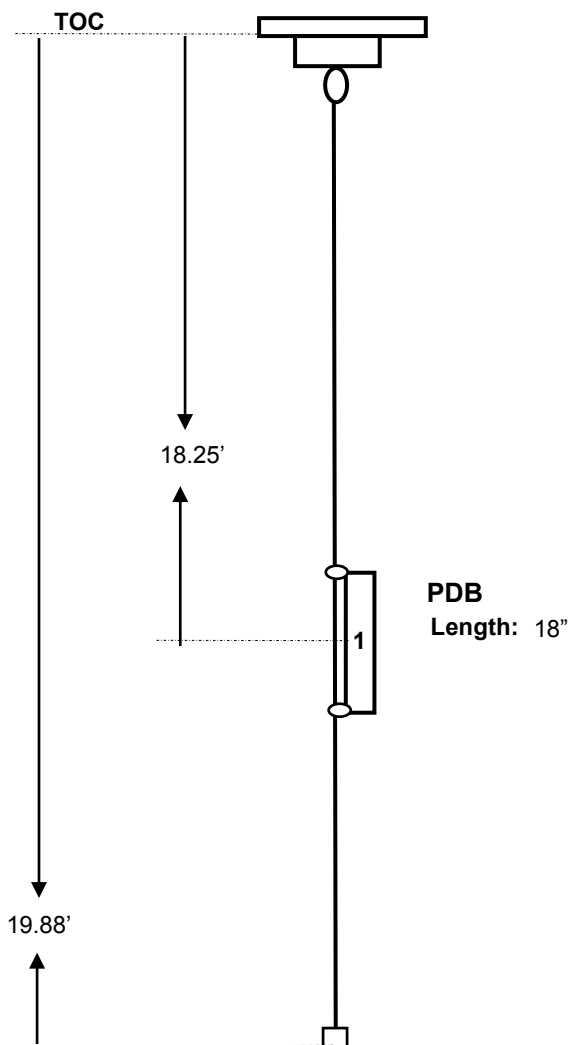
Well ID:
OW-14B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/06/2019
Time: 10:18
DTW (ft): 14.30

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 14.13



Sample #: OW-14B

Sample Time: 09:31

Evidence of algae, iron or
other coatings?: _____

Measured well depth during
installation:

DTB: 20.29 ft

Field Notes (Installation):

PID = 6.0 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

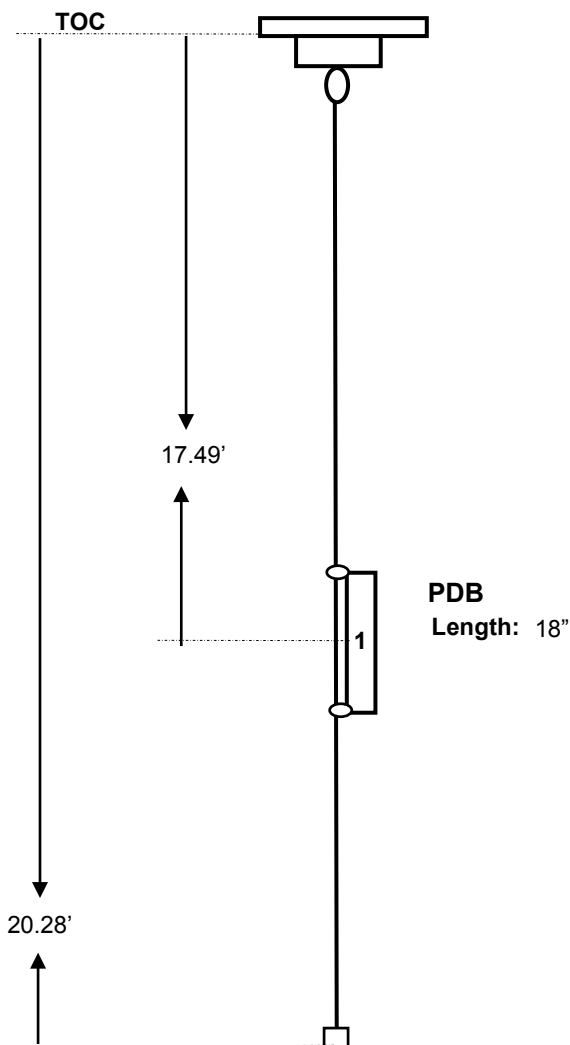
Well ID:
OW-15B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/06/2019
Time: 11:29
DTW (ft): 13.01

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 12.87



**Measured well depth during
installation:**

DTB: 20.75 ft

Sample #: OW-15B
Sample Time: 10:15
Evidence of algae, iron or
other coatings?: _____

Field Notes (Installation):

PID = 0.5 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

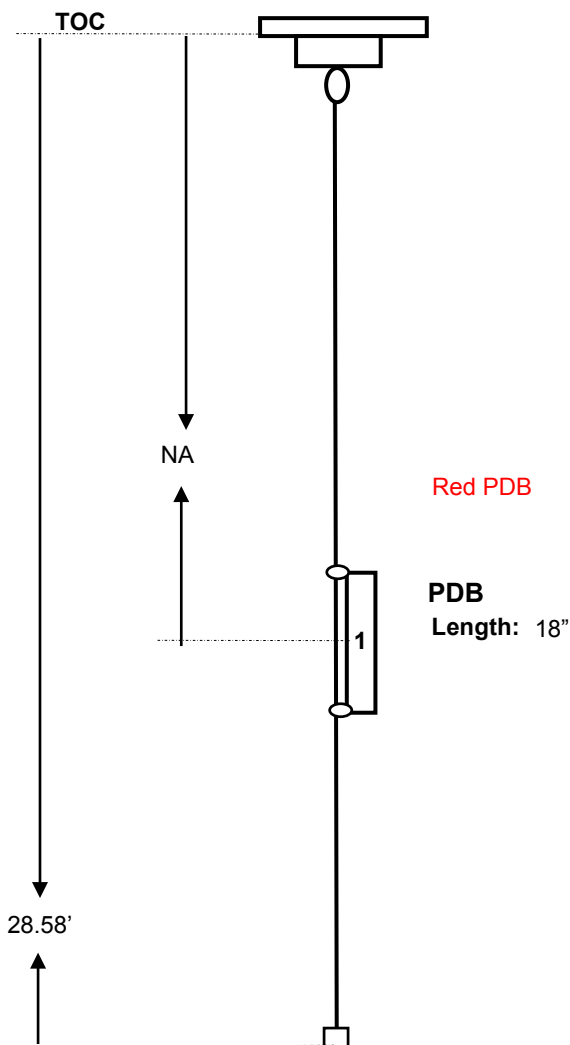
Well ID:
OW-18B

Installation of PDBs:

TRC Personnel: L. Hopp/ H. Corbett
Date: 09/11/2018
Time: 11:30
DTW (ft): Obstruction at 18.61

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): Not Applicable



Sample #: OW-18B
Sample Time: Not Applicable
Evidence of algae, iron or other coatings?: _____

Measured well depth during installation:

DTB: NA

Field Notes (Installation):

PID = 25.4 ppm

Field Notes (Sampling):

NS/ obstruction in well at 18.61'



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

Solvent Chemical
105146-000040-00000

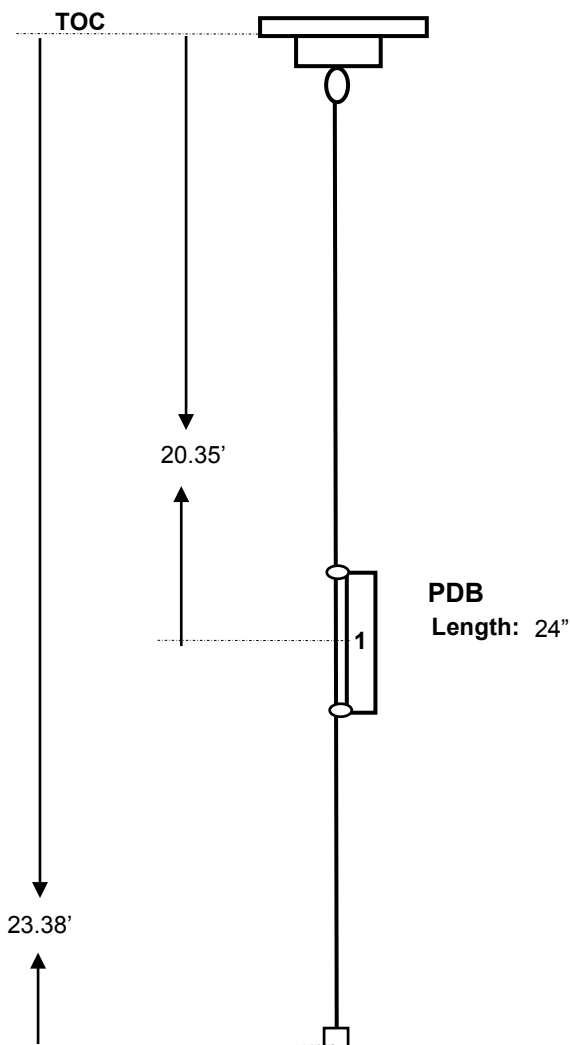
Well ID:
OW-22B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/06/2019
Time: 10:58
DTW (ft): 14.35

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 14.23



Collect MS/MSD 9 VOA vials

Sample #: OW-22B
Sample Time: 10:45
Evidence of algae, iron or
other coatings?: _____

**Measured well depth during
installation:**

DTB: 23.82 ft

Field Notes (Installation):

PID = 0.0 ppm

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

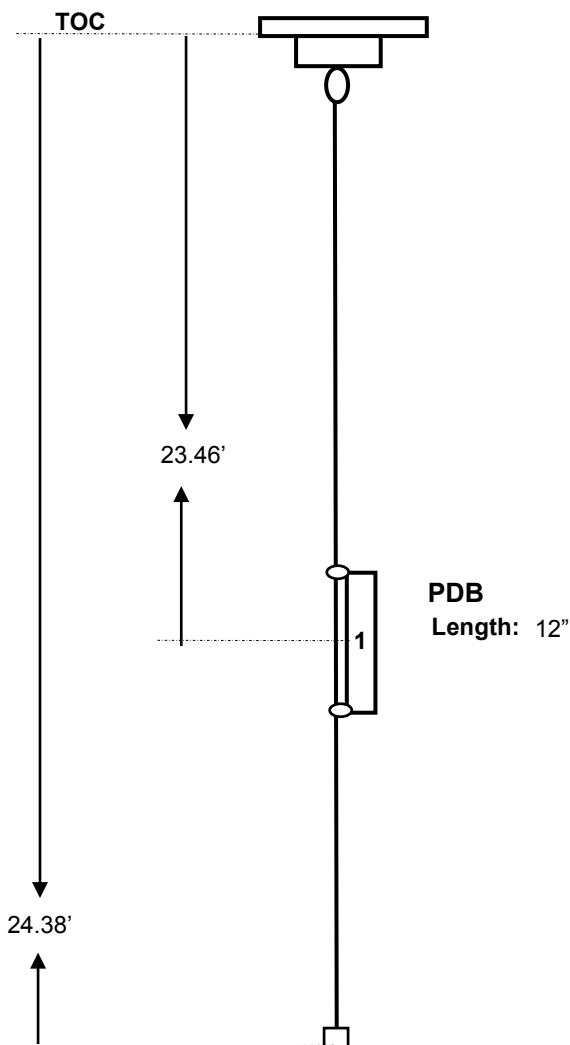
Well ID:
OW-26B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 10:40
DTW (ft): 23.25

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/24/2019
DTW (ft): 23.41



PDB
Length: 12"

Sample #: OW-26B
Sample Time: 10:59
Evidence of algae, iron or
other coatings?: _____

**Measured well depth during
installation:**

DTB: 24.40 ft

Field Notes (Installation):

PID Reading = 0.0 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

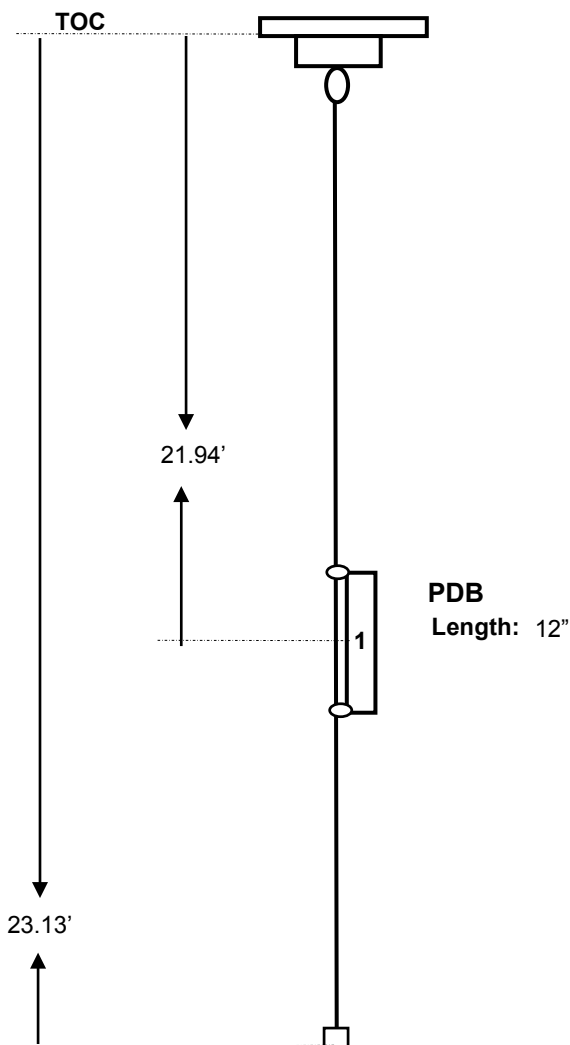
Well ID:
OW-27B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 11:50
DTW (ft): 17.12

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/24/2019
DTW (ft): 17.60



Sample #: OW-27B

Sample Time: 08:42

Evidence of algae, iron or
other coatings?: _____

Measured well depth during
installation:

DTB: 23.55 ft

Field Notes (Installation):

PID = 0.2 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

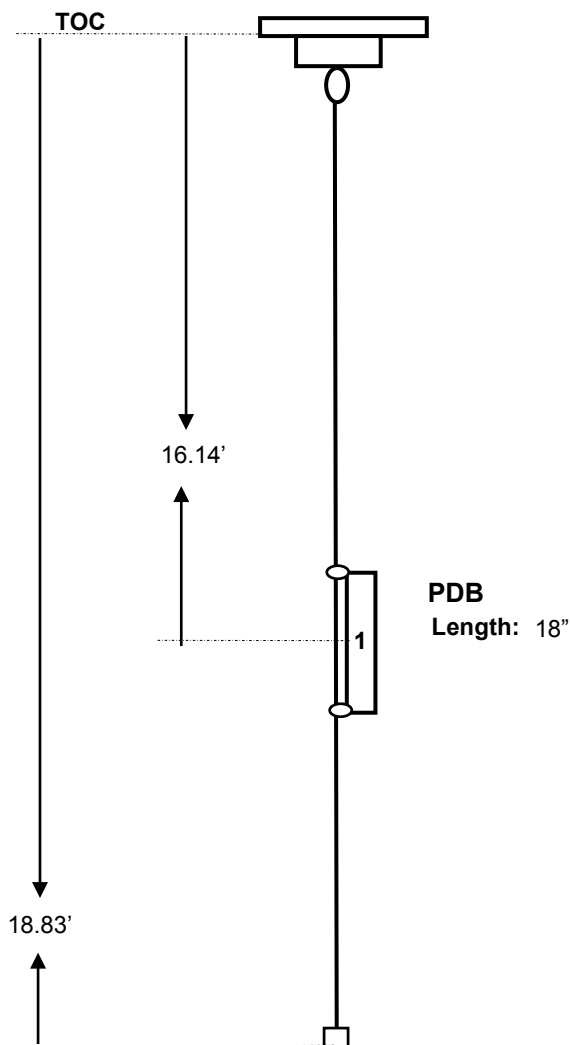
Well ID:
OW-28B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 12:20
DTW (ft): 13.75

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/24/2019
DTW (ft): 13.20



Sample #: OW-28B

Sample Time: 14:50

Evidence of algae, iron or
other coatings?: _____

Measured well depth during
installation:

DTB: 19.57 ft

Field Notes (Installation):

PID = 2.6 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

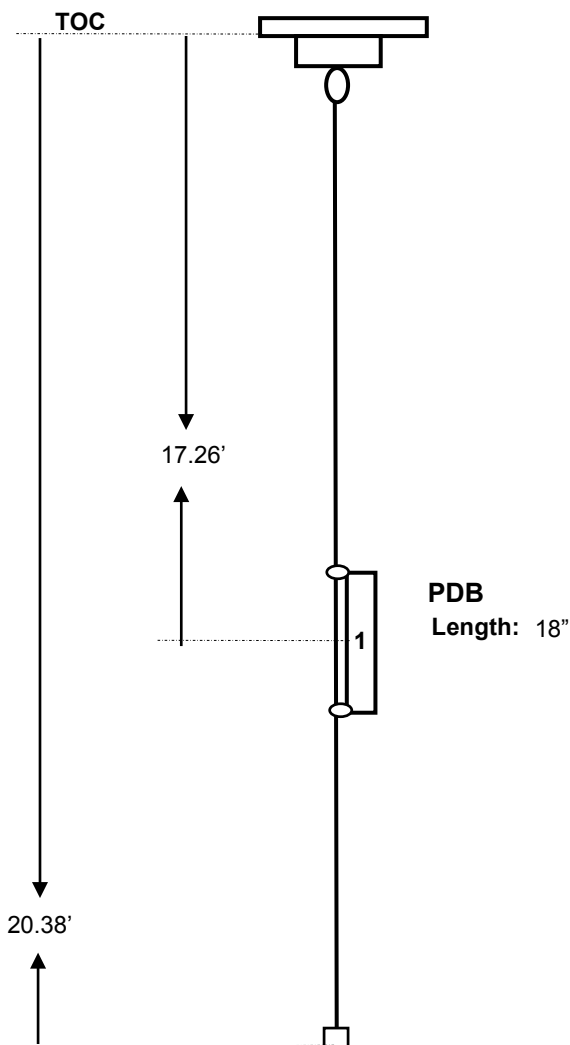
Well ID:
OW-29B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 12:10
DTW (ft): 13.56

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 9/24/2019
DTW (ft): 13.60



Sample #: OW-29B

Sample Time: 15:00

Evidence of algae, iron or
other coatings?: _____

Measured well depth during
installation:

DTB: 21.07 ft

Field Notes (Installation):

PID = 1.9 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

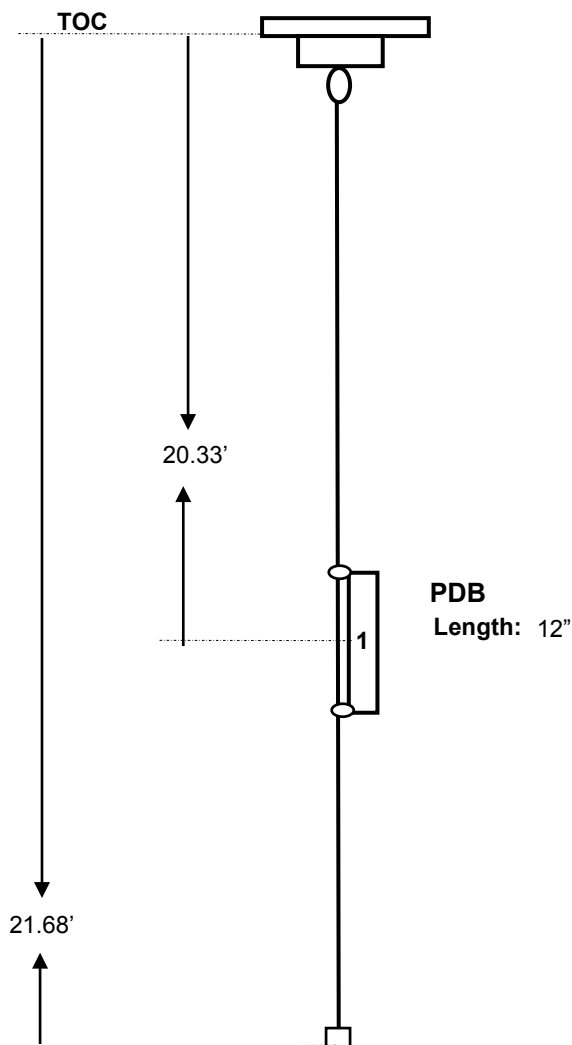
Well ID:
OW-30B

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 11:10
DTW (ft): 19.95

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/24/2019
DTW (ft): 20.05



Sample #: OW-30B

Sample Time: 11:12

Evidence of algae, iron or
other coatings?: _____

Measured well depth during
installation:

DTB: 22.50 ft

Field Notes (Installation):

PID Reading = 0.0 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

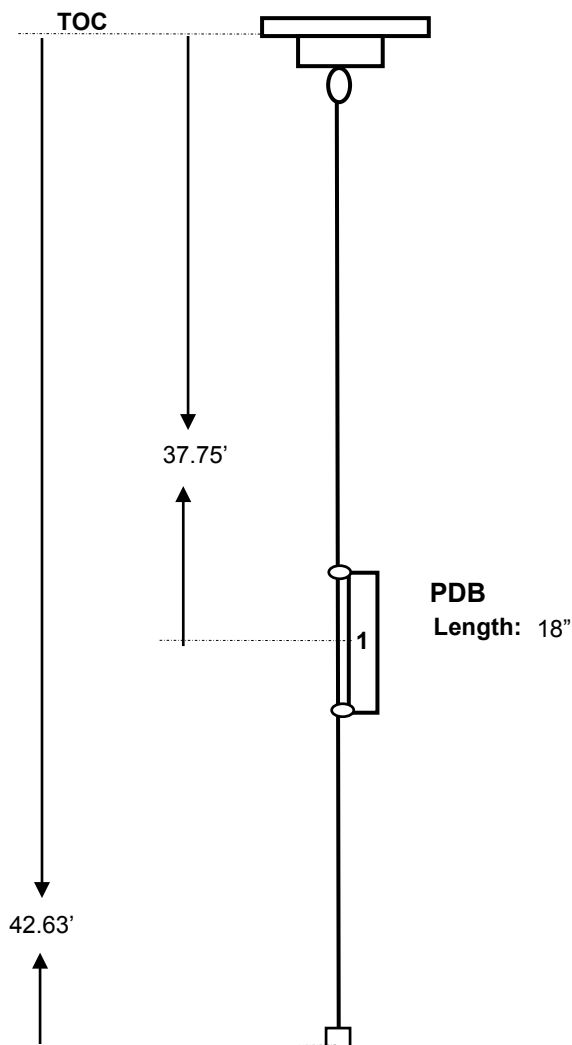
Well ID:
MW-1C

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 16:08
DTW (ft): 16.45

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 9/25/2019
DTW (ft): 16.20



Sample #: MW-1C

Sample Time: 14:32

Evidence of algae, iron or
other coatings?: _____

Measured well depth during
installation:

DTB: 42.63 ft

Field Notes (Installation):

PID = 56.4 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

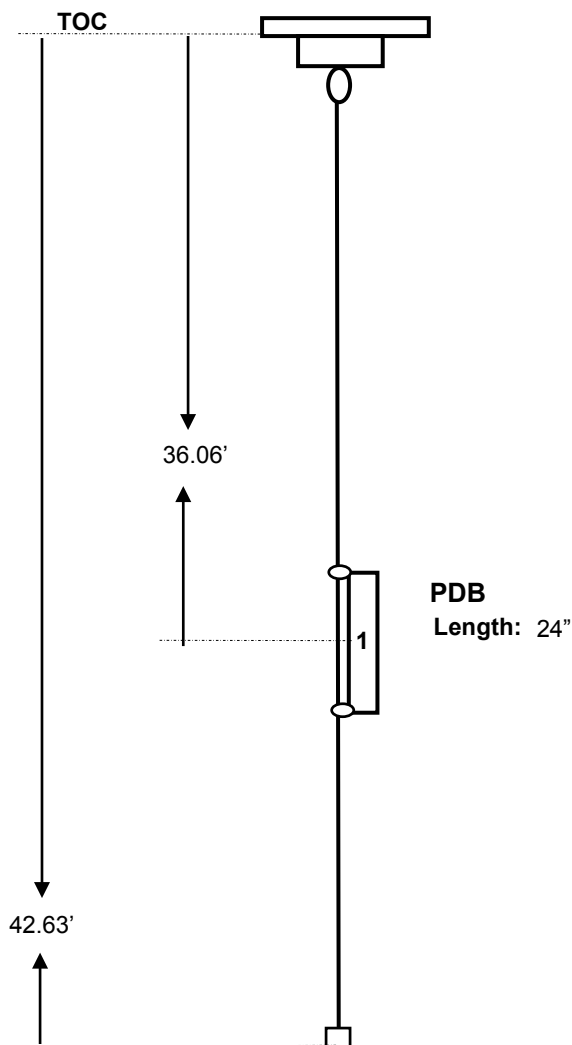
Well ID:
MW-4C

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 12:35
DTW (ft): 28.20

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/24/2019
DTW (ft): 28.20



Collect MS/MSD 9 VOA vials

Sample #: MW-4C
Sample Time: 15:10
Evidence of algae, iron or
other coatings?: _____

**Measured well depth during
installation:**

DTB: 41.96 ft

Field Notes (Installation):

PID = 6.8 ppm

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

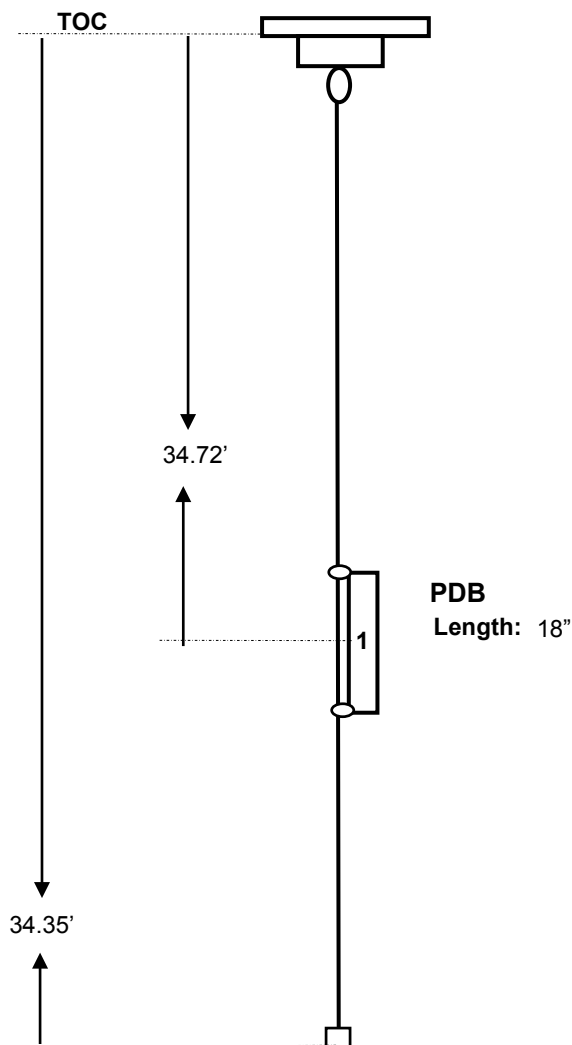
Well ID:
MW-5C

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 11:25
DTW (ft): 25.49

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/24/2019
DTW (ft): 25.40



Sample #: MW-5C

Sample Time: 11:29

Evidence of algae, iron or
other coatings?: _____

Measured well depth during
installation:

DTB: 34.90 ft

Field Notes (Installation):

PID = 0.0 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

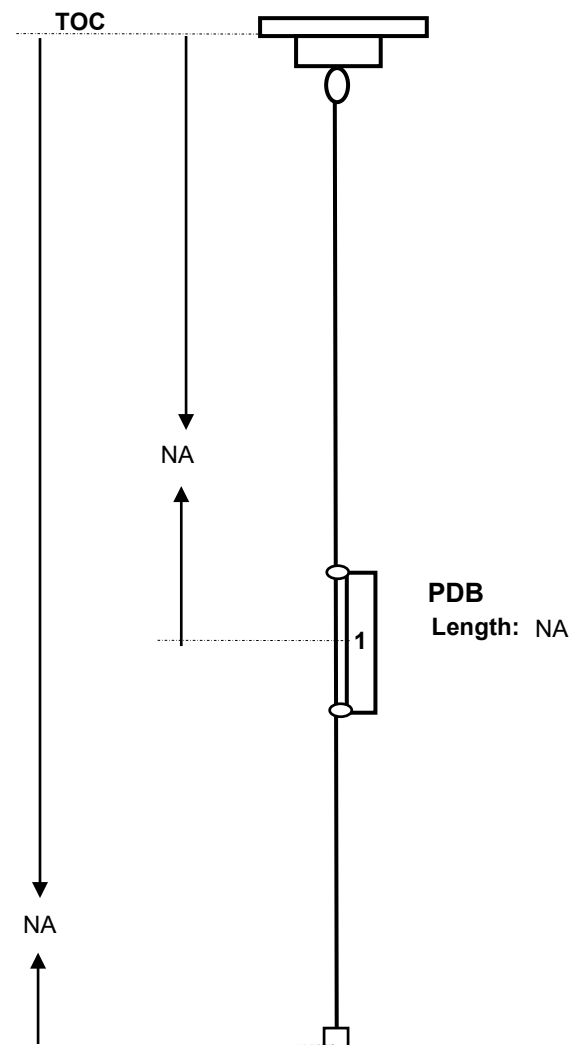
Well ID:
MW-6C

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/07/2019
Time: N/A
DTW (ft): 26.34

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/26/2019
DTW (ft): N/A



Sample #: MW-6C

Sample Time: 10:00

Evidence of algae, iron or
other coatings?: _____

Field Notes (Installation):

PID = 22.7 ppm

Field Notes (Sampling):

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



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

Solvent Chemical
105146-000040-00000

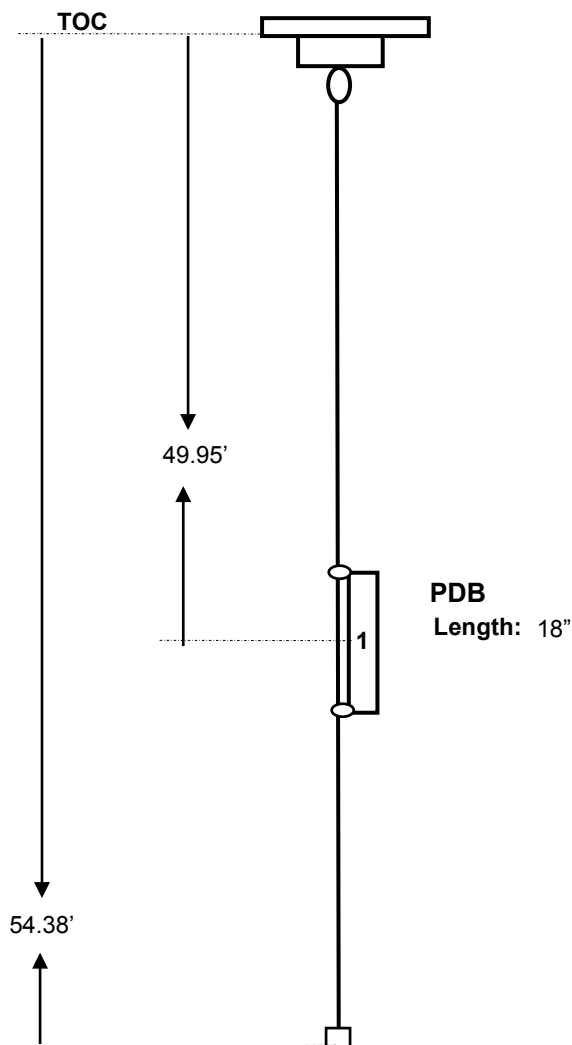
Well ID:
MW-1CD

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 14:30
DTW (ft): 16.69

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 16.63



Sample #: MW-1CD

Sample Time: 14:42

Evidence of algae, iron or
other coatings?: _____

Measured well depth during
installation:

DTB: 56.60 ft

Field Notes (Installation):

PID = 13.5 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

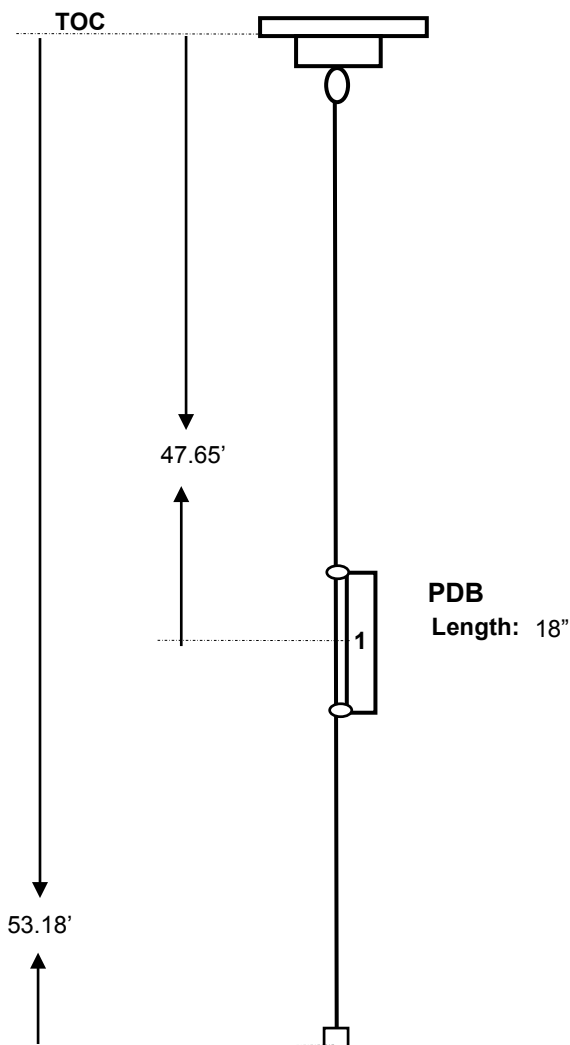
Well ID:
MW-5CD

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/05/2019
Time: 11:30
DTW (ft): 25.69

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/24/2019
DTW (ft): 25.42



Sample #: MW-5CD

Sample Time: 11:48

Evidence of algae, iron or
other coatings?: _____

Measured well depth during
installation:

DTB: 53.57 ft

Field Notes (Installation):

PID = 9.0 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

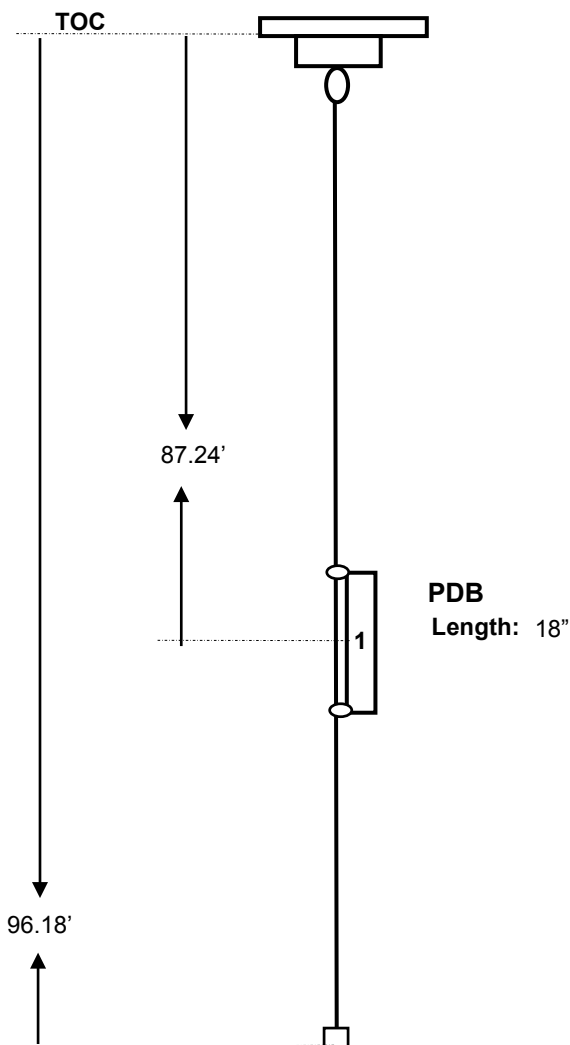
Well ID:
MW-1F

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/07/2019
Time: 10:15
DTW (ft): 15.87

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 14.60



Sample #: MW-1F
Sample Time: 16:30
Evidence of algae, iron or
other coatings?: _____

**Measured well depth during
installation:**

DTB: 95.32 ft

Field Notes (Installation):

PID = 0.1 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

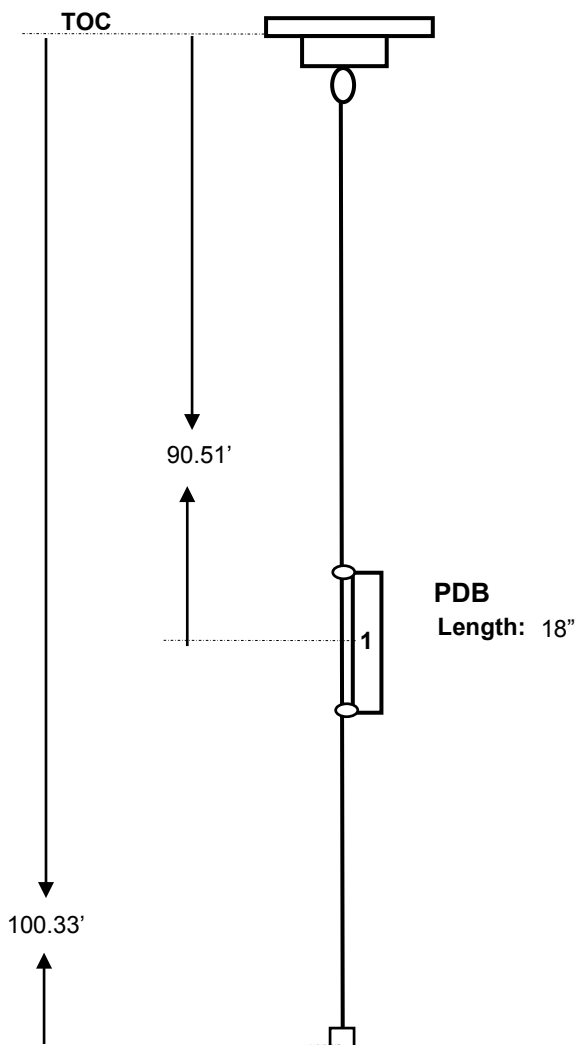
Well ID:
MW-5F

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/07/2019
Time: 08:31
DTW (ft): 17.37

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 18.20



Sample #: MW-5F
Sample Time: 16:00
Evidence of algae, iron or other coatings?: _____

Field Notes (Installation):

PID = 0.0 ppm

Field Notes (Sampling):



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

Solvent Chemical
105146-000040-00000

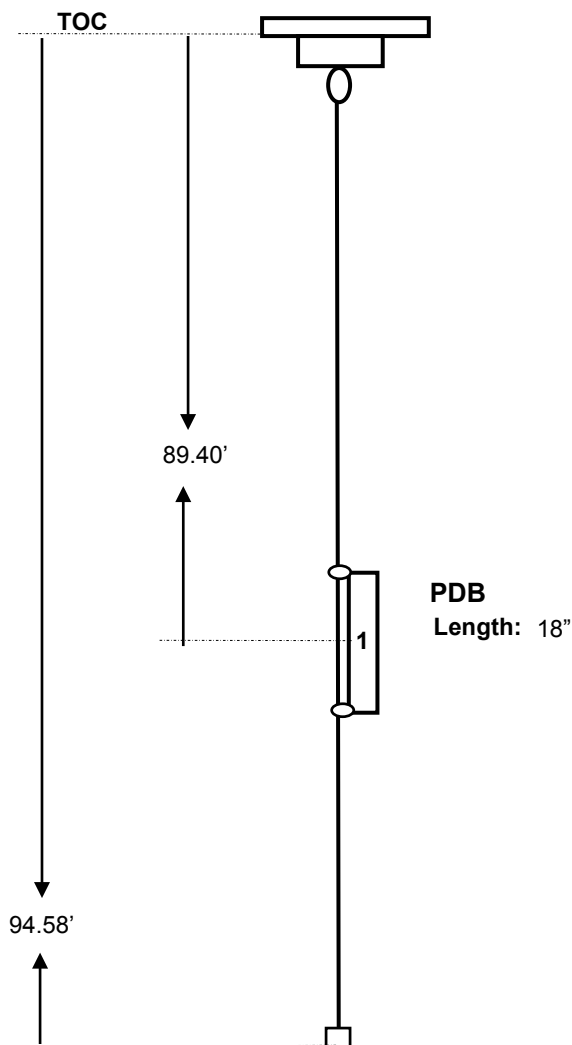
Well ID:
MW-6F

Installation of PDBs:

TRC Personnel: G. Pearsall/ H. Corbett
Date: 03/07/2019
Time: 11:17
DTW (ft): 18.39

Sampling of PDBs:

Month: 09 2019 GW Sampling Round
TRC Personnel: J. Faherty & C. Rudzinski
Date: 09/25/2019
DTW (ft): 18.85



Sample #: MW-6F
Sample Time: 16:15
Evidence of algae, iron or
other coatings?: _____

**Measured well depth during
installation:**

DTB: 94.46 ft

Field Notes (Installation):

PID = 0.2 ppm

Field Notes (Sampling):

APPENDIX E

Laboratory Data Report

ANALYTICAL REPORT

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

Laboratory Job ID: 480-159830-1

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:

10/10/2019 5:24:37 PM

Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

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

LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

Job ID: 480-159830-1

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 is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Case Narrative

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

Job ID: 480-159830-1

Job ID: 480-159830-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-159830-1

Receipt

The samples were received on 9/26/2019 12:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1° C.

GC/MS VOA

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OW-27B (480-159830-1), MW-2A (480-159830-2), MW-6B (480-159830-3), OW-26B (480-159830-4), MW-5C (480-159830-7), MW-5CD (480-159830-9), OW-9A (480-159830-10), OW-13B (480-159830-12), OW-113B (480-159830-13), OW-18A (480-159830-14), OW-18A (480-159830-14[MS]), OW-18A (480-159830-14[MSD]), OW-29B (480-159830-15), OW-15A (480-159830-16), OW-28B (480-159830-17) and MW-4B (480-159830-18). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-494726 recovered outside acceptance criteria, low biased, for Vinyl chloride, Trichlorofluoromethane and Hexachlorobutadiene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: MW-2A (480-159830-2), MW-6B (480-159830-3), OW-26B (480-159830-4), MW-5C (480-159830-7), MW-5A (480-159830-8), OW-9A (480-159830-10), OW-16A (480-159830-11), OW-18A (480-159830-14) and OW-15A (480-159830-16).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-494726 recovered above the upper control limit for 2-Butanone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: OW-27B (480-159830-1), MW-2A (480-159830-2), MW-6B (480-159830-3), OW-26B (480-159830-4), MW-5C (480-159830-7), MW-5A (480-159830-8), MW-5CD (480-159830-9), OW-9A (480-159830-10), OW-16A (480-159830-11), OW-13B (480-159830-12), OW-113B (480-159830-13), OW-18A (480-159830-14), OW-29B (480-159830-15), OW-15A (480-159830-16), OW-28B (480-159830-17) and MW-4B (480-159830-18).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-494726 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane and Hexachlorobutadiene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: OW-27B (480-159830-1), MW-5CD (480-159830-9), OW-13B (480-159830-12), OW-113B (480-159830-13), OW-29B (480-159830-15), OW-28B (480-159830-17) and MW-4B (480-159830-18).

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 480-494726 was outside the method criteria for the following analyte: Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The following samples are impacted: OW-27B (480-159830-1), MW-5CD (480-159830-9), OW-13B (480-159830-12), OW-113B (480-159830-13), OW-29B (480-159830-15), OW-28B (480-159830-17) and MW-4B (480-159830-18).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-494726 recovered outside control limits for the following analyte: Dichlorodifluoromethane. This analyte has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. The following samples are impacted: OW-27B (480-159830-1), MW-2A (480-159830-2), MW-6B (480-159830-3), OW-26B (480-159830-4), MW-5C (480-159830-7), MW-5A (480-159830-8), MW-5CD (480-159830-9), OW-9A (480-159830-10), OW-16A (480-159830-11), OW-13B (480-159830-12), OW-113B (480-159830-13), OW-18A (480-159830-14), OW-29B (480-159830-15), OW-15A (480-159830-16), OW-28B (480-159830-17) and MW-4B (480-159830-18).

Method(s) 8260C: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: OW-27B (480-159830-1), MW-2A (480-159830-2), MW-6B (480-159830-3), OW-26B (480-159830-4), MW-5C (480-159830-7), MW-5A (480-159830-8), MW-5CD (480-159830-9), OW-9A (480-159830-10), OW-16A (480-159830-11), OW-13B (480-159830-12), OW-113B (480-159830-13), OW-18A (480-159830-14), OW-18A (480-159830-14[MS]), OW-18A (480-159830-14[MSD]), OW-29B (480-159830-15), OW-15A (480-159830-16), OW-28B (480-159830-17) and MW-4B (480-159830-18). The requested target analyte list includes 2-Chloroethyl vinyl ether, an acid-labile compound that degrades in an acidic medium.

Method(s) 8260C: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes

Case Narrative

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

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Laboratory: Eurofins TestAmerica, Buffalo (Continued)

requested. The following sample was received preserved with hydrochloric acid: TB-01 (TRIP BLANK) (480-159830-40). The requested target analyte list includes 2-Chloroethyl vinyl ether, an acid-labile compound that degrades in an acidic medium.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-494755 recovered above the upper control limit for 2-Butanone (MEK). The samples associated with this CCV were non-detects or below reporting limit for the affected analytes; therefore, the data have been reported. The following samples are impacted: OW-14B (480-159830-19), OW-15B (480-159830-20), OW-22A (480-159830-21), OW-6B (480-159830-22), OW-5B (480-159830-24), MW-4C (480-159830-26), OW-8B (480-159830-27), OW-12A (480-159830-28), MW-1B (480-159830-29), MW-1C (480-159830-30), MW-1CD (480-159830-31), OW-10B (480-159830-32), OW-11B (480-159830-33), OW-111B (480-159830-34), OW-29A (480-159830-35) and MW-5F (480-159830-36).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-494755 recovered outside acceptance criteria, low biased, for Chloromethane, Dichlorodifluoromethane and Hexachlorobutadiene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. OW-14B (480-159830-19), OW-15B (480-159830-20), OW-22A (480-159830-21), OW-6B (480-159830-22), OW-5B (480-159830-24), MW-4C (480-159830-26), OW-8B (480-159830-27), OW-12A (480-159830-28), MW-1B (480-159830-29), MW-1C (480-159830-30), MW-1CD (480-159830-31), OW-10B (480-159830-32), OW-11B (480-159830-33), OW-111B (480-159830-34), OW-29A (480-159830-35) and MW-5F (480-159830-36)

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OW-14B (480-159830-19), OW-6B (480-159830-22), OW-5B (480-159830-24), MW-4C (480-159830-26), MW-4C (480-159830-26[MS]), MW-4C (480-159830-26[MSD]), OW-8B (480-159830-27), OW-12A (480-159830-28), MW-1B (480-159830-29), MW-1C (480-159830-30), MW-1CD (480-159830-31), OW-10B (480-159830-32), OW-11B (480-159830-33), OW-111B (480-159830-34), OW-29A (480-159830-35) and MW-5F (480-159830-36). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: OW-15B (480-159830-20). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: OW-14B (480-159830-19), OW-15B (480-159830-20), OW-22A (480-159830-21), OW-6B (480-159830-22), OW-5B (480-159830-24), MW-4C (480-159830-26), OW-8B (480-159830-27), OW-12A (480-159830-28), MW-1B (480-159830-29), MW-1C (480-159830-30), MW-1CD (480-159830-31), OW-10B (480-159830-32), OW-11B (480-159830-33), OW-111B (480-159830-34), OW-29A (480-159830-35) and MW-5F (480-159830-36). The requested target analyte list includes 2-Chloroethyl vinyl ether, an acid-labile compound that degrades in an acidic medium.

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-494755 recovered outside control limits for the following analyte: Dichlorodifluoromethane. This analyte has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified. The following samples are impacted: OW-14B (480-159830-19), OW-15B (480-159830-20), OW-22A (480-159830-21), OW-6B (480-159830-22), OW-5B (480-159830-24), MW-4C (480-159830-26), OW-8B (480-159830-27), OW-12A (480-159830-28), MW-1B (480-159830-29), MW-1C (480-159830-30), MW-1CD (480-159830-31), OW-10B (480-159830-32), OW-11B (480-159830-33), OW-111B (480-159830-34), OW-29A (480-159830-35) and MW-5F (480-159830-36).

Method(s) 8260C: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: OW-6B (480-159830-22), OW-7B (480-159830-23), OW-5B (480-159830-24), OW-105B (480-159830-25) and MW-1B (480-159830-29). The requested target analyte list includes 2-Chloroethyl vinyl ether, an acid-labile compound that degrades in an acidic medium.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OW-6B (480-159830-22), OW-5B (480-159830-24), OW-105B (480-159830-25) and MW-1B (480-159830-29). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-495002 recovered above the upper control limit for Bromodichloromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: OW-6B (480-159830-22), OW-7B (480-159830-23), OW-5B (480-159830-24), OW-105B (480-159830-25) and MW-1B (480-159830-29).

Case Narrative

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

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Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method(s) 8260C: The surrogate Dibromofluoromethane (Surr) was outside the 20%D limits on the continuing calibration verification (CCVIS 480-495002/3) but was within laboratory limits. The following samples are impacted: OW-6B (480-159830-22), OW-7B (480-159830-23), OW-5B (480-159830-24), OW-105B (480-159830-25) and MW-1B (480-159830-29).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OW-27B (480-159830-1), MW-5C (480-159830-7), OW-9A (480-159830-10), OW-13B (480-159830-12), OW-113B (480-159830-13), OW-29B (480-159830-15), OW-28B (480-159830-17), MW-4B (480-159830-18), (480-159830-B-12 MS) and (480-159830-B-12 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: OW-27B (480-159830-1), OW-30B (480-159830-5), OW-12B (480-159830-6), MW-5C (480-159830-7), OW-9A (480-159830-10), OW-13B (480-159830-12), OW-113B (480-159830-13), OW-29B (480-159830-15), OW-28B (480-159830-17), MW-4B (480-159830-18), (480-159830-B-12 MS) and (480-159830-B-12 MSD). The requested target analyte list includes 2-Chloroethyl vinyl ether, an acid-labile compound that degrades in an acidic medium.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-495978 recovered above the upper control limit for Hexachlorobutadiene. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The following samples are impacted: MW-6F (480-159830-37), MW-1F (480-159830-38) and OW-22B (480-159830-39).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-6F (480-159830-37), MW-1F (480-159830-38), OW-22B (480-159830-39), OW-22B (480-159830-39[MS]) and OW-22B (480-159830-39[MSD]). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-6F (480-159830-37), MW-1F (480-159830-38), OW-22B (480-159830-39), OW-22B (480-159830-39[MS]) and OW-22B (480-159830-39[MSD]). The requested target analyte list includes 2-Chloroethyl vinyl ether, an acid-labile compound that degrades in an acidic medium.

Method(s) 8260C: The initial calibration curve analyzed in analytical batch 480-491176 and associated with analytical batch 480-494755 was outside method criteria for the analyte 1,2,3-Trichlorobenzene. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for this analyte is considered an estimated concentration.

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: 480-159830-1

Client Sample ID: OW-27B

Lab Sample ID: 480-159830-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	9.4	J	10	8.2	ug/L	10		8260C	Total/NA
1,1,2,2-Tetrachloroethane	180		10	2.1	ug/L	10		8260C	Total/NA
1,1,2-Trichloroethane	8.7	J	10	2.3	ug/L	10		8260C	Total/NA
1,1-Dichloroethane	6.1	J	10	3.8	ug/L	10		8260C	Total/NA
1,1-Dichloroethene	28		10	2.9	ug/L	10		8260C	Total/NA
1,2,3-Trichlorobenzene	48		10	4.1	ug/L	10		8260C	Total/NA
1,2,4-Trichlorobenzene	350		10	4.1	ug/L	10		8260C	Total/NA
1,2-Dichlorobenzene	2200	E	10	7.9	ug/L	10		8260C	Total/NA
1,2-Dichloroethane	2.5	J	10	2.1	ug/L	10		8260C	Total/NA
1,3-Dichlorobenzene	830		10	7.8	ug/L	10		8260C	Total/NA
1,4-Dichlorobenzene	2300	E	10	8.4	ug/L	10		8260C	Total/NA
Benzene	370		10	4.1	ug/L	10		8260C	Total/NA
Chlorobenzene	2700	E	10	7.5	ug/L	10		8260C	Total/NA
Chloroform	15		10	3.4	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	7600	E	10	8.1	ug/L	10		8260C	Total/NA
Methylene Chloride	8.9	J	10	4.4	ug/L	10		8260C	Total/NA
Tetrachloroethene	700		10	3.6	ug/L	10		8260C	Total/NA
trans-1,2-Dichloroethene	190		10	9.0	ug/L	10		8260C	Total/NA
Trichloroethene	2000	E	10	4.6	ug/L	10		8260C	Total/NA
Vinyl chloride	630		10	9.0	ug/L	10		8260C	Total/NA
1,1,2,2-Tetrachloroethane - DL	160	J	200	42	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene - DL	320		200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene - DL	2000		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene - DL	820		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene - DL	2100		200	170	ug/L	200		8260C	Total/NA
Benzene - DL	330		200	82	ug/L	200		8260C	Total/NA
Chlorobenzene - DL	2500		200	150	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene - DL	6800		200	160	ug/L	200		8260C	Total/NA
Methylene Chloride - DL	160	J	200	88	ug/L	200		8260C	Total/NA
Tetrachloroethene - DL	660		200	72	ug/L	200		8260C	Total/NA
Trichloroethene - DL	1800		200	92	ug/L	200		8260C	Total/NA
Vinyl chloride - DL	580		200	180	ug/L	200		8260C	Total/NA

Client Sample ID: MW-2A

Lab Sample ID: 480-159830-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	190	J	200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene	2000		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene	940		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene	3600		200	170	ug/L	200		8260C	Total/NA
Benzene	350		200	82	ug/L	200		8260C	Total/NA
Chlorobenzene	8700		200	150	ug/L	200		8260C	Total/NA
Methylene Chloride	190	J	200	88	ug/L	200		8260C	Total/NA

Client Sample ID: MW-6B

Lab Sample ID: 480-159830-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	51	J	100	41	ug/L	100		8260C	Total/NA
1,2,4-Trichlorobenzene	210		100	41	ug/L	100		8260C	Total/NA
1,2-Dichlorobenzene	7200		100	79	ug/L	100		8260C	Total/NA
1,3-Dichlorobenzene	1900		100	78	ug/L	100		8260C	Total/NA
1,4-Dichlorobenzene	4900		100	84	ug/L	100		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-159830-1

Client Sample ID: MW-6B (Continued)

Lab Sample ID: 480-159830-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	550		100	41	ug/L	100		8260C	Total/NA
Chlorobenzene	5400		100	75	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene	97	J	100	81	ug/L	100		8260C	Total/NA
Methylene Chloride	94	J	100	44	ug/L	100		8260C	Total/NA

Client Sample ID: OW-26B

Lab Sample ID: 480-159830-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.3	J	10	4.1	ug/L	10		8260C	Total/NA
Chlorobenzene	11		10	7.5	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	8.3	J	10	8.1	ug/L	10		8260C	Total/NA
Methylene Chloride	14		10	4.4	ug/L	10		8260C	Total/NA
Tetrachloroethene	260		10	3.6	ug/L	10		8260C	Total/NA
Trichloroethene	11		10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: OW-30B

Lab Sample ID: 480-159830-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.8		1.0	0.38	ug/L	1		8260C	Total/NA
1,2-Dichlorobenzene	4.2		1.0	0.79	ug/L	1		8260C	Total/NA
1,3-Dichlorobenzene	12		1.0	0.78	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	7.5		1.0	0.84	ug/L	1		8260C	Total/NA
Benzene	8.0		1.0	0.41	ug/L	1		8260C	Total/NA
Chlorobenzene	36		1.0	0.75	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	5.3		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	2.5		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	12		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	2.9		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OW-12B

Lab Sample ID: 480-159830-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.5		1.0	0.38	ug/L	1		8260C	Total/NA
1,3-Dichlorobenzene	2.0		1.0	0.78	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	40		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	2.0		1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	3.0		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	3.2		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-5C

Lab Sample ID: 480-159830-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	93		20	16	ug/L	20		8260C	Total/NA
1,3-Dichlorobenzene	210		20	16	ug/L	20		8260C	Total/NA
1,4-Dichlorobenzene	430		20	17	ug/L	20		8260C	Total/NA
Benzene	190		20	8.2	ug/L	20		8260C	Total/NA
Chlorobenzene	2400	E	20	15	ug/L	20		8260C	Total/NA
Methylene Chloride	28		20	8.8	ug/L	20		8260C	Total/NA
1,2-Dichlorobenzene - DL	90		40	32	ug/L	40		8260C	Total/NA
1,3-Dichlorobenzene - DL	200		40	31	ug/L	40		8260C	Total/NA
1,4-Dichlorobenzene - DL	410		40	34	ug/L	40		8260C	Total/NA
Benzene - DL	180		40	16	ug/L	40		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-159830-1

Client Sample ID: MW-5C (Continued)

Lab Sample ID: 480-159830-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene - DL	2200		40	30	ug/L	40		8260C	Total/NA
Methylene Chloride - DL	20	J	40	18	ug/L	40		8260C	Total/NA

Client Sample ID: MW-5A

Lab Sample ID: 480-159830-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloroethane	0.45	J	1.0	0.23	ug/L	1		8260C	Total/NA
Tetrachloroethene	19		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	0.57	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-5CD

Lab Sample ID: 480-159830-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	55		40	32	ug/L	40		8260C	Total/NA
1,4-Dichlorobenzene	43		40	34	ug/L	40		8260C	Total/NA
Benzene	18	J	40	16	ug/L	40		8260C	Total/NA
cis-1,2-Dichloroethene	2000		40	32	ug/L	40		8260C	Total/NA
Methylene Chloride	35	J	40	18	ug/L	40		8260C	Total/NA
trans-1,2-Dichloroethene	51		40	36	ug/L	40		8260C	Total/NA
Vinyl chloride	1300		40	36	ug/L	40		8260C	Total/NA

Client Sample ID: OW-9A

Lab Sample ID: 480-159830-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	580		50	40	ug/L	50		8260C	Total/NA
cis-1,2-Dichloroethene	530		50	41	ug/L	50		8260C	Total/NA
Methylene Chloride	53		50	22	ug/L	50		8260C	Total/NA
Tetrachloroethene	5100	E	50	18	ug/L	50		8260C	Total/NA
Trichloroethene	330		50	23	ug/L	50		8260C	Total/NA
1,2-Dichlorobenzene - DL	560		100	79	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene - DL	510		100	81	ug/L	100		8260C	Total/NA
Methylene Chloride - DL	70	J	100	44	ug/L	100		8260C	Total/NA
Tetrachloroethene - DL	5700		100	36	ug/L	100		8260C	Total/NA
Trichloroethene - DL	370		100	46	ug/L	100		8260C	Total/NA

Client Sample ID: OW-16A

Lab Sample ID: 480-159830-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	32		1.0	0.79	ug/L	1		8260C	Total/NA
1,4-Dichlorobenzene	5.7		1.0	0.84	ug/L	1		8260C	Total/NA

Client Sample ID: OW-13B

Lab Sample ID: 480-159830-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	340		80	17	ug/L	80		8260C	Total/NA
1,1-Dichloroethene	49	J	80	23	ug/L	80		8260C	Total/NA
1,2,3-Trichlorobenzene	350		80	33	ug/L	80		8260C	Total/NA
1,2,4-Trichlorobenzene	4900		80	33	ug/L	80		8260C	Total/NA
1,2-Dichlorobenzene	6800		80	63	ug/L	80		8260C	Total/NA
1,3-Dichlorobenzene	1500		80	62	ug/L	80		8260C	Total/NA
1,4-Dichlorobenzene	5400		80	67	ug/L	80		8260C	Total/NA
Benzene	850		80	33	ug/L	80		8260C	Total/NA
Chlorobenzene	6200		80	60	ug/L	80		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-159830-1

Client Sample ID: OW-13B (Continued)

Lab Sample ID: 480-159830-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	28	J	80	27	ug/L	80		8260C	Total/NA
cis-1,2-Dichloroethene	11000	E	80	65	ug/L	80		8260C	Total/NA
Methylene Chloride	62	J	80	35	ug/L	80		8260C	Total/NA
Tetrachloroethene	940		80	29	ug/L	80		8260C	Total/NA
trans-1,2-Dichloroethene	200		80	72	ug/L	80		8260C	Total/NA
Trichloroethene	2300		80	37	ug/L	80		8260C	Total/NA
Vinyl chloride	1100		80	72	ug/L	80		8260C	Total/NA
1,1,2,2-Tetrachloroethane - DL	390		200	42	ug/L	200		8260C	Total/NA
1,2,3-Trichlorobenzene - DL	330		200	82	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene - DL	4700		200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene - DL	6600		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene - DL	1500		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene - DL	5200		200	170	ug/L	200		8260C	Total/NA
Benzene - DL	820		200	82	ug/L	200		8260C	Total/NA
Chlorobenzene - DL	6100		200	150	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene - DL	11000		200	160	ug/L	200		8260C	Total/NA
Methylene Chloride - DL	110	J	200	88	ug/L	200		8260C	Total/NA
Tetrachloroethene - DL	940		200	72	ug/L	200		8260C	Total/NA
trans-1,2-Dichloroethene - DL	200		200	180	ug/L	200		8260C	Total/NA
Trichloroethene - DL	2200		200	92	ug/L	200		8260C	Total/NA
Vinyl chloride - DL	1100		200	180	ug/L	200		8260C	Total/NA

Client Sample ID: OW-113B

Lab Sample ID: 480-159830-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	360		80	17	ug/L	80		8260C	Total/NA
1,1-Dichloroethene	51	J	80	23	ug/L	80		8260C	Total/NA
1,2,3-Trichlorobenzene	370		80	33	ug/L	80		8260C	Total/NA
1,2,4-Trichlorobenzene	5200		80	33	ug/L	80		8260C	Total/NA
1,2-Dichlorobenzene	6800		80	63	ug/L	80		8260C	Total/NA
1,3-Dichlorobenzene	1500		80	62	ug/L	80		8260C	Total/NA
1,4-Dichlorobenzene	5300		80	67	ug/L	80		8260C	Total/NA
Benzene	870		80	33	ug/L	80		8260C	Total/NA
Chlorobenzene	6200		80	60	ug/L	80		8260C	Total/NA
Chloroform	34	J	80	27	ug/L	80		8260C	Total/NA
cis-1,2-Dichloroethene	11000	E	80	65	ug/L	80		8260C	Total/NA
Methylene Chloride	62	J	80	35	ug/L	80		8260C	Total/NA
Tetrachloroethene	950		80	29	ug/L	80		8260C	Total/NA
trans-1,2-Dichloroethene	200		80	72	ug/L	80		8260C	Total/NA
Trichloroethene	2300		80	37	ug/L	80		8260C	Total/NA
Vinyl chloride	1200		80	72	ug/L	80		8260C	Total/NA
1,1,2,2-Tetrachloroethane - DL	330		200	42	ug/L	200		8260C	Total/NA
1,2,3-Trichlorobenzene - DL	320		200	82	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene - DL	4900		200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene - DL	6700		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene - DL	1500		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene - DL	5400		200	170	ug/L	200		8260C	Total/NA
Benzene - DL	800		200	82	ug/L	200		8260C	Total/NA
Chlorobenzene - DL	6000		200	150	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene - DL	10000		200	160	ug/L	200		8260C	Total/NA
Methylene Chloride - DL	170	J	200	88	ug/L	200		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-159830-1

Client Sample ID: OW-113B (Continued)

Lab Sample ID: 480-159830-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene - DL	920		200	72	ug/L	200		8260C	Total/NA
Trichloroethene - DL	2200		200	92	ug/L	200		8260C	Total/NA
Vinyl chloride - DL	1100		200	180	ug/L	200		8260C	Total/NA

Client Sample ID: OW-18A

Lab Sample ID: 480-159830-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	110	J	200	82	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene	340		200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene	9400		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene	1600		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene	15000		200	170	ug/L	200		8260C	Total/NA
Benzene	630		200	82	ug/L	200		8260C	Total/NA
Chlorobenzene	12000	F1	200	150	ug/L	200		8260C	Total/NA
Methylene Chloride	190	J	200	88	ug/L	200		8260C	Total/NA

Client Sample ID: OW-29B

Lab Sample ID: 480-159830-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1,2,2-Tetrachloroethane	540		40	8.4	ug/L	40		8260C	Total/NA
1,1,1,2-Trichloroethane	21	J	40	9.2	ug/L	40		8260C	Total/NA
1,1-Dichloroethene	55		40	12	ug/L	40		8260C	Total/NA
1,2,3-Trichlorobenzene	260		40	16	ug/L	40		8260C	Total/NA
1,2,4-Trichlorobenzene	2600		40	16	ug/L	40		8260C	Total/NA
1,2-Dichlorobenzene	3800		40	32	ug/L	40		8260C	Total/NA
1,3-Dichlorobenzene	1100		40	31	ug/L	40		8260C	Total/NA
1,4-Dichlorobenzene	2900		40	34	ug/L	40		8260C	Total/NA
Benzene	430		40	16	ug/L	40		8260C	Total/NA
Chlorobenzene	3200		40	30	ug/L	40		8260C	Total/NA
Chloroform	36	J	40	14	ug/L	40		8260C	Total/NA
cis-1,2-Dichloroethene	14000	E	40	32	ug/L	40		8260C	Total/NA
Methylene Chloride	44		40	18	ug/L	40		8260C	Total/NA
Tetrachloroethene	2900		40	14	ug/L	40		8260C	Total/NA
trans-1,2-Dichloroethene	290		40	36	ug/L	40		8260C	Total/NA
Trichloroethene	5500	E	40	18	ug/L	40		8260C	Total/NA
Vinyl chloride	1500		40	36	ug/L	40		8260C	Total/NA
1,1,1,2,2-Tetrachloroethane - DL	430		400	84	ug/L	400		8260C	Total/NA
1,2,3-Trichlorobenzene - DL	180	J	400	160	ug/L	400		8260C	Total/NA
1,2,4-Trichlorobenzene - DL	1900		400	160	ug/L	400		8260C	Total/NA
1,2-Dichlorobenzene - DL	3000		400	320	ug/L	400		8260C	Total/NA
1,3-Dichlorobenzene - DL	880		400	310	ug/L	400		8260C	Total/NA
1,4-Dichlorobenzene - DL	2200		400	340	ug/L	400		8260C	Total/NA
Benzene - DL	360	J	400	160	ug/L	400		8260C	Total/NA
Chlorobenzene - DL	2500		400	300	ug/L	400		8260C	Total/NA
cis-1,2-Dichloroethene - DL	10000		400	320	ug/L	400		8260C	Total/NA
Methylene Chloride - DL	310	J	400	180	ug/L	400		8260C	Total/NA
Tetrachloroethene - DL	2200		400	140	ug/L	400		8260C	Total/NA
Trichloroethene - DL	4100		400	180	ug/L	400		8260C	Total/NA
Vinyl chloride - DL	1100		400	360	ug/L	400		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-159830-1

Client Sample ID: OW-15A

Lab Sample ID: 480-159830-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	39		10	4.1	ug/L	10		8260C	Total/NA
1,2-Dichlorobenzene	370		10	7.9	ug/L	10		8260C	Total/NA
1,3-Dichlorobenzene	200		10	7.8	ug/L	10		8260C	Total/NA
1,4-Dichlorobenzene	160		10	8.4	ug/L	10		8260C	Total/NA
Chlorobenzene	260		10	7.5	ug/L	10		8260C	Total/NA
Methylene Chloride	12		10	4.4	ug/L	10		8260C	Total/NA

Client Sample ID: OW-28B

Lab Sample ID: 480-159830-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	210		10	2.1	ug/L	10		8260C	Total/NA
1,1,2-Trichloroethane	9.2	J	10	2.3	ug/L	10		8260C	Total/NA
1,1-Dichloroethane	3.8	J	10	3.8	ug/L	10		8260C	Total/NA
1,1-Dichloroethene	11		10	2.9	ug/L	10		8260C	Total/NA
1,2,3-Trichlorobenzene	11		10	4.1	ug/L	10		8260C	Total/NA
1,2,4-Trichlorobenzene	54		10	4.1	ug/L	10		8260C	Total/NA
1,2-Dichlorobenzene	64		10	7.9	ug/L	10		8260C	Total/NA
1,3-Dichlorobenzene	66		10	7.8	ug/L	10		8260C	Total/NA
1,4-Dichlorobenzene	96		10	8.4	ug/L	10		8260C	Total/NA
Benzene	16		10	4.1	ug/L	10		8260C	Total/NA
Chlorobenzene	100		10	7.5	ug/L	10		8260C	Total/NA
Chloroform	4.2	J	10	3.4	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	2500	E	10	8.1	ug/L	10		8260C	Total/NA
Methylene Chloride	11		10	4.4	ug/L	10		8260C	Total/NA
Tetrachloroethene	1500	E	10	3.6	ug/L	10		8260C	Total/NA
trans-1,2-Dichloroethene	52		10	9.0	ug/L	10		8260C	Total/NA
Trichloroethene	2500	E	10	4.6	ug/L	10		8260C	Total/NA
Vinyl chloride	210		10	9.0	ug/L	10		8260C	Total/NA
1,1,2,2-Tetrachloroethane - DL	190		50	11	ug/L	50		8260C	Total/NA
1,2,4-Trichlorobenzene - DL	60		50	21	ug/L	50		8260C	Total/NA
1,2-Dichlorobenzene - DL	71		50	40	ug/L	50		8260C	Total/NA
1,3-Dichlorobenzene - DL	68		50	39	ug/L	50		8260C	Total/NA
1,4-Dichlorobenzene - DL	100		50	42	ug/L	50		8260C	Total/NA
Chlorobenzene - DL	110		50	38	ug/L	50		8260C	Total/NA
cis-1,2-Dichloroethene - DL	2500		50	41	ug/L	50		8260C	Total/NA
Methylene Chloride - DL	31	J	50	22	ug/L	50		8260C	Total/NA
Tetrachloroethene - DL	1400		50	18	ug/L	50		8260C	Total/NA
trans-1,2-Dichloroethene - DL	51		50	45	ug/L	50		8260C	Total/NA
Trichloroethene - DL	2300		50	23	ug/L	50		8260C	Total/NA
Vinyl chloride - DL	240		50	45	ug/L	50		8260C	Total/NA

Client Sample ID: MW-4B

Lab Sample ID: 480-159830-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	250		20	4.2	ug/L	20		8260C	Total/NA
1,1,2-Trichloroethane	9.1	J	20	4.6	ug/L	20		8260C	Total/NA
1,1-Dichloroethene	31		20	5.8	ug/L	20		8260C	Total/NA
1,2,3-Trichlorobenzene	17	J	20	8.2	ug/L	20		8260C	Total/NA
1,2,4-Trichlorobenzene	230		20	8.2	ug/L	20		8260C	Total/NA
1,2-Dichlorobenzene	1700		20	16	ug/L	20		8260C	Total/NA
1,3-Dichlorobenzene	540		20	16	ug/L	20		8260C	Total/NA
1,4-Dichlorobenzene	1100		20	17	ug/L	20		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-159830-1

Client Sample ID: MW-4B (Continued)

Lab Sample ID: 480-159830-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	210		20	8.2	ug/L	20		8260C	Total/NA
Chlorobenzene	1300		20	15	ug/L	20		8260C	Total/NA
Chloroform	20		20	6.8	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene	9600	E	20	16	ug/L	20		8260C	Total/NA
Methylene Chloride	10	J	20	8.8	ug/L	20		8260C	Total/NA
Tetrachloroethene	1500		20	7.2	ug/L	20		8260C	Total/NA
trans-1,2-Dichloroethene	240		20	18	ug/L	20		8260C	Total/NA
Trichloroethene	1500		20	9.2	ug/L	20		8260C	Total/NA
Vinyl chloride	1400		20	18	ug/L	20		8260C	Total/NA
1,1,2,2-Tetrachloroethane - DL	220		200	42	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene - DL	200		200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene - DL	1400		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene - DL	460		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene - DL	1000		200	170	ug/L	200		8260C	Total/NA
Benzene - DL	200		200	82	ug/L	200		8260C	Total/NA
Chlorobenzene - DL	1200		200	150	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene - DL	8100		200	160	ug/L	200		8260C	Total/NA
Methylene Chloride - DL	110	J	200	88	ug/L	200		8260C	Total/NA
Tetrachloroethene - DL	1400		200	72	ug/L	200		8260C	Total/NA
trans-1,2-Dichloroethene - DL	210		200	180	ug/L	200		8260C	Total/NA
Trichloroethene - DL	1400		200	92	ug/L	200		8260C	Total/NA
Vinyl chloride - DL	1200		200	180	ug/L	200		8260C	Total/NA

Client Sample ID: OW-14B

Lab Sample ID: 480-159830-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	130		100	41	ug/L	100		8260C	Total/NA
1,2,4-Trichlorobenzene	530		100	41	ug/L	100		8260C	Total/NA
1,2-Dichlorobenzene	3300		100	79	ug/L	100		8260C	Total/NA
1,3-Dichlorobenzene	1700		100	78	ug/L	100		8260C	Total/NA
1,4-Dichlorobenzene	5900		100	84	ug/L	100		8260C	Total/NA
Chlorobenzene	1900		100	75	ug/L	100		8260C	Total/NA
Methylene Chloride	56	J	100	44	ug/L	100		8260C	Total/NA

Client Sample ID: OW-15B

Lab Sample ID: 480-159830-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	24	J	25	5.3	ug/L	25		8260C	Total/NA
1,2,4-Trichlorobenzene	29		25	10	ug/L	25		8260C	Total/NA
Chloroform	15	J	25	8.5	ug/L	25		8260C	Total/NA
cis-1,2-Dichloroethene	350		25	20	ug/L	25		8260C	Total/NA
Methylene Chloride	16	J	25	11	ug/L	25		8260C	Total/NA
Tetrachloroethene	350		25	9.0	ug/L	25		8260C	Total/NA
Trichloroethene	190		25	12	ug/L	25		8260C	Total/NA

Client Sample ID: OW-22A

Lab Sample ID: 480-159830-21

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

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-159830-1

Client Sample ID: OW-6B

Lab Sample ID: 480-159830-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	170		20	4.2	ug/L	20		8260C	Total/NA
1,1,2-Trichloroethane	10	J	20	4.6	ug/L	20		8260C	Total/NA
1,1-Dichloroethane	23		20	5.8	ug/L	20		8260C	Total/NA
1,2,3-Trichlorobenzene	45		20	8.2	ug/L	20		8260C	Total/NA
1,2,4-Trichlorobenzene	1300		20	8.2	ug/L	20		8260C	Total/NA
1,2-Dichlorobenzene	850		20	16	ug/L	20		8260C	Total/NA
1,3-Dichlorobenzene	430		20	16	ug/L	20		8260C	Total/NA
1,4-Dichlorobenzene	810		20	17	ug/L	20		8260C	Total/NA
Benzene	110		20	8.2	ug/L	20		8260C	Total/NA
Chlorobenzene	740		20	15	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene	5100	E	20	16	ug/L	20		8260C	Total/NA
Methylene Chloride	12	J	20	8.8	ug/L	20		8260C	Total/NA
Tetrachloroethene	970		20	7.2	ug/L	20		8260C	Total/NA
trans-1,2-Dichloroethene	130		20	18	ug/L	20		8260C	Total/NA
Trichloroethene	2400	E	20	9.2	ug/L	20		8260C	Total/NA
Vinyl chloride	680		20	18	ug/L	20		8260C	Total/NA
1,1,2,2-Tetrachloroethane - DL	140	J	200	42	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene - DL	990		200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene - DL	660		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene - DL	330		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene - DL	700		200	170	ug/L	200		8260C	Total/NA
Benzene - DL	84	J	200	82	ug/L	200		8260C	Total/NA
Chlorobenzene - DL	600		200	150	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene - DL	4400		200	160	ug/L	200		8260C	Total/NA
Methylene Chloride - DL	370		200	88	ug/L	200		8260C	Total/NA
Tetrachloroethene - DL	850		200	72	ug/L	200		8260C	Total/NA
Trichloroethene - DL	2100		200	92	ug/L	200		8260C	Total/NA
Vinyl chloride - DL	570		200	180	ug/L	200		8260C	Total/NA

Client Sample ID: OW-7B

Lab Sample ID: 480-159830-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	17		1.0	0.21	ug/L	1		8260C	Total/NA
1,1,2-Trichloroethane	0.91	J	1.0	0.23	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.4		1.0	0.38	ug/L	1		8260C	Total/NA
Chloroform	1.5		1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	38		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	13		1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	9.5		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	74		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: OW-5B

Lab Sample ID: 480-159830-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	18		10	8.2	ug/L	10		8260C	Total/NA
1,1,2,2-Tetrachloroethane	470		10	2.1	ug/L	10		8260C	Total/NA
1,1,2-Trichloroethane	14		10	2.3	ug/L	10		8260C	Total/NA
1,1-Dichloroethane	5.4	J	10	3.8	ug/L	10		8260C	Total/NA
1,1-Dichloroethene	25		10	2.9	ug/L	10		8260C	Total/NA
1,2,3-Trichlorobenzene	60		10	4.1	ug/L	10		8260C	Total/NA
1,2,4-Trichlorobenzene	160		10	4.1	ug/L	10		8260C	Total/NA
1,2-Dichlorobenzene	150		10	7.9	ug/L	10		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-159830-1

Client Sample ID: OW-5B (Continued)

Lab Sample ID: 480-159830-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	3.0	J	10	2.1	ug/L	10		8260C	Total/NA
1,3-Dichlorobenzene	160		10	7.8	ug/L	10		8260C	Total/NA
1,4-Dichlorobenzene	190		10	8.4	ug/L	10		8260C	Total/NA
Benzene	81		10	4.1	ug/L	10		8260C	Total/NA
Chlorobenzene	230		10	7.5	ug/L	10		8260C	Total/NA
Chloroform	3.4	J	10	3.4	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	2500	E	10	8.1	ug/L	10		8260C	Total/NA
Tetrachloroethene	3500	E	10	3.6	ug/L	10		8260C	Total/NA
trans-1,2-Dichloroethene	95		10	9.0	ug/L	10		8260C	Total/NA
Trichloroethene	7600	E	10	4.6	ug/L	10		8260C	Total/NA
Vinyl chloride	230		10	9.0	ug/L	10		8260C	Total/NA
1,1,2,2-Tetrachloroethane - DL	420		200	42	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene - DL	110	J	200	82	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene - DL	170	J	200	170	ug/L	200		8260C	Total/NA
Chlorobenzene - DL	190	J	200	150	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene - DL	2100		200	160	ug/L	200		8260C	Total/NA
Methylene Chloride - DL	300		200	88	ug/L	200		8260C	Total/NA
Tetrachloroethene - DL	2800		200	72	ug/L	200		8260C	Total/NA
Trichloroethene - DL	6300		200	92	ug/L	200		8260C	Total/NA

Client Sample ID: OW-105B

Lab Sample ID: 480-159830-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	380		100	21	ug/L	100		8260C	Total/NA
1,2,3-Trichlorobenzene	42	J	100	41	ug/L	100		8260C	Total/NA
1,2,4-Trichlorobenzene	140		100	41	ug/L	100		8260C	Total/NA
1,2-Dichlorobenzene	130		100	79	ug/L	100		8260C	Total/NA
1,3-Dichlorobenzene	130		100	78	ug/L	100		8260C	Total/NA
1,4-Dichlorobenzene	160		100	84	ug/L	100		8260C	Total/NA
Benzene	70	J	100	41	ug/L	100		8260C	Total/NA
Chlorobenzene	190		100	75	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene	2200		100	81	ug/L	100		8260C	Total/NA
Methylene Chloride	140		100	44	ug/L	100		8260C	Total/NA
Tetrachloroethene	2900		100	36	ug/L	100		8260C	Total/NA
Trichloroethene	6700		100	46	ug/L	100		8260C	Total/NA
Vinyl chloride	170		100	90	ug/L	100		8260C	Total/NA

Client Sample ID: MW-4C

Lab Sample ID: 480-159830-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	120	J	400	120	ug/L	400		8260C	Total/NA
1,2,4-Trichlorobenzene	370	J	400	160	ug/L	400		8260C	Total/NA
1,2-Dichlorobenzene	990		400	320	ug/L	400		8260C	Total/NA
1,4-Dichlorobenzene	630		400	340	ug/L	400		8260C	Total/NA
Benzene	4400		400	160	ug/L	400		8260C	Total/NA
Chlorobenzene	4900		400	300	ug/L	400		8260C	Total/NA
cis-1,2-Dichloroethene	29000		400	320	ug/L	400		8260C	Total/NA
Methylene Chloride	310	J	400	180	ug/L	400		8260C	Total/NA
Tetrachloroethene	400		400	140	ug/L	400		8260C	Total/NA
trans-1,2-Dichloroethene	450		400	360	ug/L	400		8260C	Total/NA
Trichloroethene	410		400	180	ug/L	400		8260C	Total/NA
Vinyl chloride	2200		400	360	ug/L	400		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-159830-1

Client Sample ID: OW-8B

Lab Sample ID: 480-159830-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.2		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.5	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	19		2.0	1.6	ug/L	2		8260C	Total/NA
Methylene Chloride	3.5		2.0	0.88	ug/L	2		8260C	Total/NA
Trichloroethene	66		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: OW-12A

Lab Sample ID: 480-159830-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	150		130	51	ug/L	125		8260C	Total/NA
1,2-Dichlorobenzene	7600		130	99	ug/L	125		8260C	Total/NA
1,3-Dichlorobenzene	1100		130	98	ug/L	125		8260C	Total/NA
1,4-Dichlorobenzene	4400		130	110	ug/L	125		8260C	Total/NA
Benzene	86	J	130	51	ug/L	125		8260C	Total/NA
Chlorobenzene	4100		130	94	ug/L	125		8260C	Total/NA
Methylene Chloride	89	J	130	55	ug/L	125		8260C	Total/NA

Client Sample ID: MW-1B

Lab Sample ID: 480-159830-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	130	J	200	82	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene	360		200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene	2500		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene	2100		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene	10000		200	170	ug/L	200		8260C	Total/NA
Benzene	340		200	82	ug/L	200		8260C	Total/NA
Chlorobenzene	36000	E	200	150	ug/L	200		8260C	Total/NA
Methylene Chloride	150	J	200	88	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene - DL	2200		500	400	ug/L	500		8260C	Total/NA
1,3-Dichlorobenzene - DL	1900		500	390	ug/L	500		8260C	Total/NA
1,4-Dichlorobenzene - DL	8800		500	420	ug/L	500		8260C	Total/NA
Benzene - DL	310	J	500	210	ug/L	500		8260C	Total/NA
Chlorobenzene - DL	32000		500	380	ug/L	500		8260C	Total/NA
Methylene Chloride - DL	640		500	220	ug/L	500		8260C	Total/NA

Client Sample ID: MW-1C

Lab Sample ID: 480-159830-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	770		50	21	ug/L	50		8260C	Total/NA
cis-1,2-Dichloroethene	3600		50	41	ug/L	50		8260C	Total/NA
Methylene Chloride	25	J	50	22	ug/L	50		8260C	Total/NA
trans-1,2-Dichloroethene	190		50	45	ug/L	50		8260C	Total/NA
Vinyl chloride	960		50	45	ug/L	50		8260C	Total/NA

Client Sample ID: MW-1CD

Lab Sample ID: 480-159830-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	420	J	800	330	ug/L	800		8260C	Total/NA
1,2-Dichlorobenzene	18000		800	630	ug/L	800		8260C	Total/NA
1,3-Dichlorobenzene	2200		800	620	ug/L	800		8260C	Total/NA
1,4-Dichlorobenzene	11000		800	670	ug/L	800		8260C	Total/NA
Benzene	5700		800	330	ug/L	800		8260C	Total/NA
Chlorobenzene	55000		800	600	ug/L	800		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-159830-1

Client Sample ID: MW-1CD (Continued)

Lab Sample ID: 480-159830-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	9400		800	650	ug/L	800		8260C	Total/NA
Methylene Chloride	710	J	800	350	ug/L	800		8260C	Total/NA
Vinyl chloride	1800		800	720	ug/L	800		8260C	Total/NA

Client Sample ID: OW-10B

Lab Sample ID: 480-159830-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	5700		500	400	ug/L	500		8260C	Total/NA
1,3-Dichlorobenzene	2400		500	390	ug/L	500		8260C	Total/NA
1,4-Dichlorobenzene	8800		500	420	ug/L	500		8260C	Total/NA
Benzene	1700		500	210	ug/L	500		8260C	Total/NA
Chlorobenzene	23000		500	380	ug/L	500		8260C	Total/NA
Methylene Chloride	340	J	500	220	ug/L	500		8260C	Total/NA

Client Sample ID: OW-11B

Lab Sample ID: 480-159830-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	1400		400	160	ug/L	400		8260C	Total/NA
1,2,4-Trichlorobenzene	3600		400	160	ug/L	400		8260C	Total/NA
1,2-Dichlorobenzene	31000		400	320	ug/L	400		8260C	Total/NA
1,3-Dichlorobenzene	7400		400	310	ug/L	400		8260C	Total/NA
1,4-Dichlorobenzene	22000		400	340	ug/L	400		8260C	Total/NA
Benzene	9500		400	160	ug/L	400		8260C	Total/NA
Chlorobenzene	14000		400	300	ug/L	400		8260C	Total/NA
Methylene Chloride	290	J	400	180	ug/L	400		8260C	Total/NA
m-Xylene & p-Xylene	290	J	800	260	ug/L	400		8260C	Total/NA

Client Sample ID: OW-111B

Lab Sample ID: 480-159830-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	1200		500	210	ug/L	500		8260C	Total/NA
1,2,4-Trichlorobenzene	3400		500	210	ug/L	500		8260C	Total/NA
1,2-Dichlorobenzene	28000		500	400	ug/L	500		8260C	Total/NA
1,3-Dichlorobenzene	6600		500	390	ug/L	500		8260C	Total/NA
1,4-Dichlorobenzene	20000		500	420	ug/L	500		8260C	Total/NA
Benzene	7900		500	210	ug/L	500		8260C	Total/NA
Chlorobenzene	13000		500	380	ug/L	500		8260C	Total/NA
Methylene Chloride	290	J	500	220	ug/L	500		8260C	Total/NA

Client Sample ID: OW-29A

Lab Sample ID: 480-159830-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	320		200	82	ug/L	200		8260C	Total/NA
1,2,4-Trichlorobenzene	1100		200	82	ug/L	200		8260C	Total/NA
1,2-Dichlorobenzene	10000		200	160	ug/L	200		8260C	Total/NA
1,3-Dichlorobenzene	2200		200	160	ug/L	200		8260C	Total/NA
1,4-Dichlorobenzene	5700		200	170	ug/L	200		8260C	Total/NA
Chlorobenzene	8000		200	150	ug/L	200		8260C	Total/NA
Methylene Chloride	130	J	200	88	ug/L	200		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-159830-1

Client Sample ID: MW-5F

Lab Sample ID: 480-159830-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	630		100	79	ug/L	100		8260C	Total/NA
1,4-Dichlorobenzene	240		100	84	ug/L	100		8260C	Total/NA
Benzene	66	J	100	41	ug/L	100		8260C	Total/NA
Chlorobenzene	400		100	75	ug/L	100		8260C	Total/NA
cis-1,2-Dichloroethene	180		100	81	ug/L	100		8260C	Total/NA
Methylene Chloride	59	J	100	44	ug/L	100		8260C	Total/NA
Vinyl chloride	2200		100	90	ug/L	100		8260C	Total/NA

Client Sample ID: MW-6F

Lab Sample ID: 480-159830-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	5.9	J	20	5.8	ug/L	20		8260C	Total/NA
Acetone	94	J	200	60	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene	1100		20	16	ug/L	20		8260C	Total/NA
trans-1,2-Dichloroethene	43		20	18	ug/L	20		8260C	Total/NA
Vinyl chloride	1800		20	18	ug/L	20		8260C	Total/NA

Client Sample ID: MW-1F

Lab Sample ID: 480-159830-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	41	J	50	41	ug/L	50		8260C	Total/NA
Vinyl chloride	2600		50	45	ug/L	50		8260C	Total/NA

Client Sample ID: OW-22B

Lab Sample ID: 480-159830-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	160		20	4.2	ug/L	20		8260C	Total/NA
1,2,3-Trichlorobenzene	11	J	20	8.2	ug/L	20		8260C	Total/NA
1,2,4-Trichlorobenzene	32		20	8.2	ug/L	20		8260C	Total/NA
1,2-Dichlorobenzene	54		20	16	ug/L	20		8260C	Total/NA
1,3-Dichlorobenzene	40		20	16	ug/L	20		8260C	Total/NA
1,4-Dichlorobenzene	59		20	17	ug/L	20		8260C	Total/NA
Benzene	14	J	20	8.2	ug/L	20		8260C	Total/NA
Chlorobenzene	56		20	15	ug/L	20		8260C	Total/NA
Chloroform	12	J	20	6.8	ug/L	20		8260C	Total/NA
cis-1,2-Dichloroethene	930		20	16	ug/L	20		8260C	Total/NA
Tetrachloroethene	610		20	7.2	ug/L	20		8260C	Total/NA
trans-1,2-Dichloroethene	24		20	18	ug/L	20		8260C	Total/NA
Trichloroethene	1400	F1	20	9.2	ug/L	20		8260C	Total/NA
Vinyl chloride	71		20	18	ug/L	20		8260C	Total/NA

Client Sample ID: TB-01 (TRIP BLANK)

Lab Sample ID: 480-159830-40

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-27B

Lab Sample ID: 480-159830-1

Date Collected: 09/24/19 08:42

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10	3.5	ug/L			09/28/19 21:53	10
1,1,1-Trichloroethane	9.4	J	10	8.2	ug/L			09/28/19 21:53	10
1,1,2,2-Tetrachloroethane	180		10	2.1	ug/L			09/28/19 21:53	10
1,1,2-Trichloroethane	8.7	J	10	2.3	ug/L			09/28/19 21:53	10
1,1-Dichloroethane	6.1	J	10	3.8	ug/L			09/28/19 21:53	10
1,1-Dichloroethene	28		10	2.9	ug/L			09/28/19 21:53	10
1,1-Dichloropropene	ND		10	7.2	ug/L			09/28/19 21:53	10
1,2,3-Trichlorobenzene	48		10	4.1	ug/L			09/28/19 21:53	10
1,2,3-Trichloropropane	ND		10	8.9	ug/L			09/28/19 21:53	10
1,2,4-Trichlorobenzene	350		10	4.1	ug/L			09/28/19 21:53	10
1,2,4-Trimethylbenzene	ND		10	7.5	ug/L			09/28/19 21:53	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			09/28/19 21:53	10
1,2-Dichlorobenzene	2200	E	10	7.9	ug/L			09/28/19 21:53	10
1,2-Dichloroethane	2.5	J	10	2.1	ug/L			09/28/19 21:53	10
1,2-Dichloropropane	ND		10	7.2	ug/L			09/28/19 21:53	10
1,3,5-Trimethylbenzene	ND		10	7.7	ug/L			09/28/19 21:53	10
1,3-Dichlorobenzene	830		10	7.8	ug/L			09/28/19 21:53	10
1,3-Dichloropropane	ND		10	7.5	ug/L			09/28/19 21:53	10
1,4-Dichlorobenzene	2300	E	10	8.4	ug/L			09/28/19 21:53	10
2,2-Dichloropropane	ND		10	4.0	ug/L			09/28/19 21:53	10
2-Butanone (MEK)	ND		100	13	ug/L			09/28/19 21:53	10
2-Chloroethyl vinyl ether	ND		50	9.6	ug/L			09/28/19 21:53	10
o-Chlorotoluene	ND		10	8.6	ug/L			09/28/19 21:53	10
2-Hexanone	ND		50	12	ug/L			09/28/19 21:53	10
p-Chlorotoluene	ND		10	8.4	ug/L			09/28/19 21:53	10
p-Cymene	ND		10	3.1	ug/L			09/28/19 21:53	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			09/28/19 21:53	10
Acetone	ND		100	30	ug/L			09/28/19 21:53	10
Benzene	370		10	4.1	ug/L			09/28/19 21:53	10
Bromobenzene	ND		10	8.0	ug/L			09/28/19 21:53	10
Bromoform	ND		10	2.6	ug/L			09/28/19 21:53	10
Bromomethane	ND		10	6.9	ug/L			09/28/19 21:53	10
Carbon disulfide	ND		10	1.9	ug/L			09/28/19 21:53	10
Carbon tetrachloride	ND		10	2.7	ug/L			09/28/19 21:53	10
Chlorobenzene	2700	E	10	7.5	ug/L			09/28/19 21:53	10
Bromochloromethane	ND		10	8.7	ug/L			09/28/19 21:53	10
Chlorodibromomethane	ND		10	3.2	ug/L			09/28/19 21:53	10
Chloroethane	ND		10	3.2	ug/L			09/28/19 21:53	10
Chloroform	15		10	3.4	ug/L			09/28/19 21:53	10
Chloromethane	ND		10	3.5	ug/L			09/28/19 21:53	10
cis-1,2-Dichloroethene	7600	E	10	8.1	ug/L			09/28/19 21:53	10
Bromodichloromethane	ND		10	3.9	ug/L			09/28/19 21:53	10
Dichlorodifluoromethane	ND	*	10	6.8	ug/L			09/28/19 21:53	10
Ethylbenzene	ND		10	7.4	ug/L			09/28/19 21:53	10
1,2-Dibromoethane	ND		10	7.3	ug/L			09/28/19 21:53	10
Hexachlorobutadiene	ND		20	2.8	ug/L			09/28/19 21:53	10
Isopropylbenzene	ND		10	7.9	ug/L			09/28/19 21:53	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			09/28/19 21:53	10
Methylene Chloride	8.9	J	10	4.4	ug/L			09/28/19 21:53	10

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-27B

Lab Sample ID: 480-159830-1

Date Collected: 09/24/19 08:42

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		20	6.6	ug/L			09/28/19 21:53	10
Naphthalene	ND		10	4.3	ug/L			09/28/19 21:53	10
n-Butylbenzene	ND		10	6.4	ug/L			09/28/19 21:53	10
N-Propylbenzene	ND		10	6.9	ug/L			09/28/19 21:53	10
o-Xylene	ND		10	7.6	ug/L			09/28/19 21:53	10
sec-Butylbenzene	ND		10	7.5	ug/L			09/28/19 21:53	10
Tetrachloroethene	700		10	3.6	ug/L			09/28/19 21:53	10
Toluene	ND		10	5.1	ug/L			09/28/19 21:53	10
trans-1,2-Dichloroethene	190		10	9.0	ug/L			09/28/19 21:53	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			09/28/19 21:53	10
Trichloroethene	2000	E	10	4.6	ug/L			09/28/19 21:53	10
Trichlorofluoromethane	ND		10	8.8	ug/L			09/28/19 21:53	10
Vinyl acetate	ND		50	8.5	ug/L			09/28/19 21:53	10
Vinyl chloride	630		10	9.0	ug/L			09/28/19 21:53	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			09/28/19 21:53	10
Styrene	ND		10	7.3	ug/L			09/28/19 21:53	10
tert-Butylbenzene	ND		10	8.1	ug/L			09/28/19 21:53	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		09/28/19 21:53	10
4-Bromofluorobenzene (Surr)	104		73 - 120		09/28/19 21:53	10
Toluene-d8 (Surr)	99		80 - 120		09/28/19 21:53	10
Dibromofluoromethane (Surr)	103		75 - 123		09/28/19 21:53	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200	70	ug/L			09/30/19 22:43	200
1,1,1-Trichloroethane	ND		200	160	ug/L			09/30/19 22:43	200
1,1,2,2-Tetrachloroethane	160	J	200	42	ug/L			09/30/19 22:43	200
1,1,2-Trichloroethane	ND		200	46	ug/L			09/30/19 22:43	200
1,1-Dichloroethane	ND		200	76	ug/L			09/30/19 22:43	200
1,1-Dichloroethene	ND		200	58	ug/L			09/30/19 22:43	200
1,1-Dichloropropene	ND		200	140	ug/L			09/30/19 22:43	200
1,2,3-Trichlorobenzene	ND		200	82	ug/L			09/30/19 22:43	200
1,2,3-Trichloropropane	ND		200	180	ug/L			09/30/19 22:43	200
1,2,4-Trichlorobenzene	320		200	82	ug/L			09/30/19 22:43	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			09/30/19 22:43	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			09/30/19 22:43	200
1,2-Dichlorobenzene	2000		200	160	ug/L			09/30/19 22:43	200
1,2-Dichloroethane	ND		200	42	ug/L			09/30/19 22:43	200
1,2-Dichloropropane	ND		200	140	ug/L			09/30/19 22:43	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			09/30/19 22:43	200
1,3-Dichlorobenzene	820		200	160	ug/L			09/30/19 22:43	200
1,3-Dichloropropane	ND		200	150	ug/L			09/30/19 22:43	200
1,4-Dichlorobenzene	2100		200	170	ug/L			09/30/19 22:43	200
2,2-Dichloropropane	ND		200	80	ug/L			09/30/19 22:43	200
2-Butanone (MEK)	ND		2000	260	ug/L			09/30/19 22:43	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			09/30/19 22:43	200
o-Chlorotoluene	ND		200	170	ug/L			09/30/19 22:43	200
2-Hexanone	ND		1000	250	ug/L			09/30/19 22:43	200

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-27B

Lab Sample ID: 480-159830-1

Date Collected: 09/24/19 08:42

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Chlorotoluene	ND		200	170	ug/L			09/30/19 22:43	200
p-Cymene	ND		200	62	ug/L			09/30/19 22:43	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			09/30/19 22:43	200
Acetone	ND		2000	600	ug/L			09/30/19 22:43	200
Benzene	330		200	82	ug/L			09/30/19 22:43	200
Bromobenzene	ND		200	160	ug/L			09/30/19 22:43	200
Bromoform	ND		200	52	ug/L			09/30/19 22:43	200
Bromomethane	ND		200	140	ug/L			09/30/19 22:43	200
Carbon disulfide	ND		200	38	ug/L			09/30/19 22:43	200
Carbon tetrachloride	ND		200	54	ug/L			09/30/19 22:43	200
Chlorobenzene	2500		200	150	ug/L			09/30/19 22:43	200
Bromochloromethane	ND		200	170	ug/L			09/30/19 22:43	200
Chlorodibromomethane	ND		200	64	ug/L			09/30/19 22:43	200
Chloroethane	ND		200	64	ug/L			09/30/19 22:43	200
Chloroform	ND		200	68	ug/L			09/30/19 22:43	200
Chloromethane	ND		200	70	ug/L			09/30/19 22:43	200
cis-1,2-Dichloroethene	6800		200	160	ug/L			09/30/19 22:43	200
Bromodichloromethane	ND		200	78	ug/L			09/30/19 22:43	200
Dichlorodifluoromethane	ND		200	140	ug/L			09/30/19 22:43	200
Ethylbenzene	ND		200	150	ug/L			09/30/19 22:43	200
1,2-Dibromoethane	ND		200	150	ug/L			09/30/19 22:43	200
Hexachlorobutadiene	ND		400	56	ug/L			09/30/19 22:43	200
Isopropylbenzene	ND		200	160	ug/L			09/30/19 22:43	200
Methyl tert-butyl ether	ND		200	32	ug/L			09/30/19 22:43	200
Methylene Chloride	160 J		200	88	ug/L			09/30/19 22:43	200
m-Xylene & p-Xylene	ND		400	130	ug/L			09/30/19 22:43	200
Naphthalene	ND		200	86	ug/L			09/30/19 22:43	200
n-Butylbenzene	ND		200	130	ug/L			09/30/19 22:43	200
N-Propylbenzene	ND		200	140	ug/L			09/30/19 22:43	200
o-Xylene	ND		200	150	ug/L			09/30/19 22:43	200
sec-Butylbenzene	ND		200	150	ug/L			09/30/19 22:43	200
Tetrachloroethene	660		200	72	ug/L			09/30/19 22:43	200
Toluene	ND		200	100	ug/L			09/30/19 22:43	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			09/30/19 22:43	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			09/30/19 22:43	200
Trichloroethene	1800		200	92	ug/L			09/30/19 22:43	200
Trichlorofluoromethane	ND		200	180	ug/L			09/30/19 22:43	200
Vinyl acetate	ND		1000	170	ug/L			09/30/19 22:43	200
Vinyl chloride	580		200	180	ug/L			09/30/19 22:43	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			09/30/19 22:43	200
Styrene	ND		200	150	ug/L			09/30/19 22:43	200
tert-Butylbenzene	ND		200	160	ug/L			09/30/19 22:43	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		09/30/19 22:43	200
4-Bromofluorobenzene (Surr)	106		73 - 120		09/30/19 22:43	200
Toluene-d8 (Surr)	101		80 - 120		09/30/19 22:43	200
Dibromofluoromethane (Surr)	99		75 - 123		09/30/19 22:43	200

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-2A

Lab Sample ID: 480-159830-2

Date Collected: 09/24/19 09:45

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200	70	ug/L			09/28/19 22:17	200
1,1,1-Trichloroethane	ND		200	160	ug/L			09/28/19 22:17	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			09/28/19 22:17	200
1,1,2-Trichloroethane	ND		200	46	ug/L			09/28/19 22:17	200
1,1-Dichloroethane	ND		200	76	ug/L			09/28/19 22:17	200
1,1-Dichloroethene	ND		200	58	ug/L			09/28/19 22:17	200
1,1-Dichloropropene	ND		200	140	ug/L			09/28/19 22:17	200
1,2,3-Trichlorobenzene	ND		200	82	ug/L			09/28/19 22:17	200
1,2,3-Trichloropropane	ND		200	180	ug/L			09/28/19 22:17	200
1,2,4-Trichlorobenzene	190	J	200	82	ug/L			09/28/19 22:17	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			09/28/19 22:17	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			09/28/19 22:17	200
1,2-Dichlorobenzene	2000		200	160	ug/L			09/28/19 22:17	200
1,2-Dichloroethane	ND		200	42	ug/L			09/28/19 22:17	200
1,2-Dichloropropane	ND		200	140	ug/L			09/28/19 22:17	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			09/28/19 22:17	200
1,3-Dichlorobenzene	940		200	160	ug/L			09/28/19 22:17	200
1,3-Dichloropropane	ND		200	150	ug/L			09/28/19 22:17	200
1,4-Dichlorobenzene	3600		200	170	ug/L			09/28/19 22:17	200
2,2-Dichloropropane	ND		200	80	ug/L			09/28/19 22:17	200
2-Butanone (MEK)	ND		2000	260	ug/L			09/28/19 22:17	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			09/28/19 22:17	200
o-Chlorotoluene	ND		200	170	ug/L			09/28/19 22:17	200
2-Hexanone	ND		1000	250	ug/L			09/28/19 22:17	200
p-Chlorotoluene	ND		200	170	ug/L			09/28/19 22:17	200
p-Cymene	ND		200	62	ug/L			09/28/19 22:17	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			09/28/19 22:17	200
Acetone	ND		2000	600	ug/L			09/28/19 22:17	200
Benzene	350		200	82	ug/L			09/28/19 22:17	200
Bromobenzene	ND		200	160	ug/L			09/28/19 22:17	200
Bromoform	ND		200	52	ug/L			09/28/19 22:17	200
Bromomethane	ND		200	140	ug/L			09/28/19 22:17	200
Carbon disulfide	ND		200	38	ug/L			09/28/19 22:17	200
Carbon tetrachloride	ND		200	54	ug/L			09/28/19 22:17	200
Chlorobenzene	8700		200	150	ug/L			09/28/19 22:17	200
Bromochloromethane	ND		200	170	ug/L			09/28/19 22:17	200
Chlorodibromomethane	ND		200	64	ug/L			09/28/19 22:17	200
Chloroethane	ND		200	64	ug/L			09/28/19 22:17	200
Chloroform	ND		200	68	ug/L			09/28/19 22:17	200
Chloromethane	ND		200	70	ug/L			09/28/19 22:17	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			09/28/19 22:17	200
Bromodichloromethane	ND		200	78	ug/L			09/28/19 22:17	200
Dichlorodifluoromethane	ND	*	200	140	ug/L			09/28/19 22:17	200
Ethylbenzene	ND		200	150	ug/L			09/28/19 22:17	200
1,2-Dibromoethane	ND		200	150	ug/L			09/28/19 22:17	200
Hexachlorobutadiene	ND		400	56	ug/L			09/28/19 22:17	200
Isopropylbenzene	ND		200	160	ug/L			09/28/19 22:17	200
Methyl tert-butyl ether	ND		200	32	ug/L			09/28/19 22:17	200
Methylene Chloride	190	J	200	88	ug/L			09/28/19 22:17	200

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-2A

Lab Sample ID: 480-159830-2

Date Collected: 09/24/19 09:45

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		400	130	ug/L			09/28/19 22:17	200
Naphthalene	ND		200	86	ug/L			09/28/19 22:17	200
n-Butylbenzene	ND		200	130	ug/L			09/28/19 22:17	200
N-Propylbenzene	ND		200	140	ug/L			09/28/19 22:17	200
o-Xylene	ND		200	150	ug/L			09/28/19 22:17	200
sec-Butylbenzene	ND		200	150	ug/L			09/28/19 22:17	200
Tetrachloroethene	ND		200	72	ug/L			09/28/19 22:17	200
Toluene	ND		200	100	ug/L			09/28/19 22:17	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			09/28/19 22:17	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			09/28/19 22:17	200
Trichloroethene	ND		200	92	ug/L			09/28/19 22:17	200
Trichlorofluoromethane	ND		200	180	ug/L			09/28/19 22:17	200
Vinyl acetate	ND		1000	170	ug/L			09/28/19 22:17	200
Vinyl chloride	ND		200	180	ug/L			09/28/19 22:17	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			09/28/19 22:17	200
Styrene	ND		200	150	ug/L			09/28/19 22:17	200
tert-Butylbenzene	ND		200	160	ug/L			09/28/19 22:17	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		09/28/19 22:17	200
4-Bromofluorobenzene (Surr)	104		73 - 120		09/28/19 22:17	200
Toluene-d8 (Surr)	99		80 - 120		09/28/19 22:17	200
Dibromofluoromethane (Surr)	109		75 - 123		09/28/19 22:17	200

Client Sample ID: MW-6B

Lab Sample ID: 480-159830-3

Date Collected: 09/24/19 10:15

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	35	ug/L			09/28/19 22:41	100
1,1,1-Trichloroethane	ND		100	82	ug/L			09/28/19 22:41	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			09/28/19 22:41	100
1,1,2-Trichloroethane	ND		100	23	ug/L			09/28/19 22:41	100
1,1-Dichloroethane	ND		100	38	ug/L			09/28/19 22:41	100
1,1-Dichloroethene	ND		100	29	ug/L			09/28/19 22:41	100
1,1-Dichloropropene	ND		100	72	ug/L			09/28/19 22:41	100
1,2,3-Trichlorobenzene	51	J	100	41	ug/L			09/28/19 22:41	100
1,2,3-Trichloropropane	ND		100	89	ug/L			09/28/19 22:41	100
1,2,4-Trichlorobenzene	210		100	41	ug/L			09/28/19 22:41	100
1,2,4-Trimethylbenzene	ND		100	75	ug/L			09/28/19 22:41	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			09/28/19 22:41	100
1,2-Dichlorobenzene	7200		100	79	ug/L			09/28/19 22:41	100
1,2-Dichloroethane	ND		100	21	ug/L			09/28/19 22:41	100
1,2-Dichloropropane	ND		100	72	ug/L			09/28/19 22:41	100
1,3,5-Trimethylbenzene	ND		100	77	ug/L			09/28/19 22:41	100
1,3-Dichlorobenzene	1900		100	78	ug/L			09/28/19 22:41	100
1,3-Dichloropropane	ND		100	75	ug/L			09/28/19 22:41	100
1,4-Dichlorobenzene	4900		100	84	ug/L			09/28/19 22:41	100
2,2-Dichloropropane	ND		100	40	ug/L			09/28/19 22:41	100

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-6B

Lab Sample ID: 480-159830-3

Date Collected: 09/24/19 10:15

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		1000	130	ug/L			09/28/19 22:41	100
2-Chloroethyl vinyl ether	ND		500	96	ug/L			09/28/19 22:41	100
o-Chlorotoluene	ND		100	86	ug/L			09/28/19 22:41	100
2-Hexanone	ND		500	120	ug/L			09/28/19 22:41	100
p-Chlorotoluene	ND		100	84	ug/L			09/28/19 22:41	100
p-Cymene	ND		100	31	ug/L			09/28/19 22:41	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			09/28/19 22:41	100
Acetone	ND		1000	300	ug/L			09/28/19 22:41	100
Benzene	550		100	41	ug/L			09/28/19 22:41	100
Bromobenzene	ND		100	80	ug/L			09/28/19 22:41	100
Bromoform	ND		100	26	ug/L			09/28/19 22:41	100
Bromomethane	ND		100	69	ug/L			09/28/19 22:41	100
Carbon disulfide	ND		100	19	ug/L			09/28/19 22:41	100
Carbon tetrachloride	ND		100	27	ug/L			09/28/19 22:41	100
Chlorobenzene	5400		100	75	ug/L			09/28/19 22:41	100
Bromochloromethane	ND		100	87	ug/L			09/28/19 22:41	100
Chlorodibromomethane	ND		100	32	ug/L			09/28/19 22:41	100
Chloroethane	ND		100	32	ug/L			09/28/19 22:41	100
Chloroform	ND		100	34	ug/L			09/28/19 22:41	100
Chloromethane	ND		100	35	ug/L			09/28/19 22:41	100
cis-1,2-Dichloroethene	97 J		100	81	ug/L			09/28/19 22:41	100
Bromodichloromethane	ND		100	39	ug/L			09/28/19 22:41	100
Dichlorodifluoromethane	ND *		100	68	ug/L			09/28/19 22:41	100
Ethylbenzene	ND		100	74	ug/L			09/28/19 22:41	100
1,2-Dibromoethane	ND		100	73	ug/L			09/28/19 22:41	100
Hexachlorobutadiene	ND		200	28	ug/L			09/28/19 22:41	100
Isopropylbenzene	ND		100	79	ug/L			09/28/19 22:41	100
Methyl tert-butyl ether	ND		100	16	ug/L			09/28/19 22:41	100
Methylene Chloride	94 J		100	44	ug/L			09/28/19 22:41	100
m-Xylene & p-Xylene	ND		200	66	ug/L			09/28/19 22:41	100
Naphthalene	ND		100	43	ug/L			09/28/19 22:41	100
n-Butylbenzene	ND		100	64	ug/L			09/28/19 22:41	100
N-Propylbenzene	ND		100	69	ug/L			09/28/19 22:41	100
o-Xylene	ND		100	76	ug/L			09/28/19 22:41	100
sec-Butylbenzene	ND		100	75	ug/L			09/28/19 22:41	100
Tetrachloroethene	ND		100	36	ug/L			09/28/19 22:41	100
Toluene	ND		100	51	ug/L			09/28/19 22:41	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			09/28/19 22:41	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			09/28/19 22:41	100
Trichloroethene	ND		100	46	ug/L			09/28/19 22:41	100
Trichlorofluoromethane	ND		100	88	ug/L			09/28/19 22:41	100
Vinyl acetate	ND		500	85	ug/L			09/28/19 22:41	100
Vinyl chloride	ND		100	90	ug/L			09/28/19 22:41	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			09/28/19 22:41	100
Styrene	ND		100	73	ug/L			09/28/19 22:41	100
tert-Butylbenzene	ND		100	81	ug/L			09/28/19 22:41	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		09/28/19 22:41	100
4-Bromofluorobenzene (Surr)	105		73 - 120		09/28/19 22:41	100

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-6B

Lab Sample ID: 480-159830-3

Date Collected: 09/24/19 10:15

Matrix: Water

Date Received: 09/26/19 12:15

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		09/28/19 22:41	100
Dibromofluoromethane (Surr)	103		75 - 123		09/28/19 22:41	100

Client Sample ID: OW-26B

Lab Sample ID: 480-159830-4

Date Collected: 09/24/19 11:00

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10	3.5	ug/L			09/28/19 23:05	10
1,1,1-Trichloroethane	ND		10	8.2	ug/L			09/28/19 23:05	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			09/28/19 23:05	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			09/28/19 23:05	10
1,1-Dichloroethane	ND		10	3.8	ug/L			09/28/19 23:05	10
1,1-Dichloroethene	ND		10	2.9	ug/L			09/28/19 23:05	10
1,1-Dichloropropene	ND		10	7.2	ug/L			09/28/19 23:05	10
1,2,3-Trichlorobenzene	ND		10	4.1	ug/L			09/28/19 23:05	10
1,2,3-Trichloropropane	ND		10	8.9	ug/L			09/28/19 23:05	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			09/28/19 23:05	10
1,2,4-Trimethylbenzene	ND		10	7.5	ug/L			09/28/19 23:05	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			09/28/19 23:05	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			09/28/19 23:05	10
1,2-Dichloroethane	ND		10	2.1	ug/L			09/28/19 23:05	10
1,2-Dichloropropane	ND		10	7.2	ug/L			09/28/19 23:05	10
1,3,5-Trimethylbenzene	ND		10	7.7	ug/L			09/28/19 23:05	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			09/28/19 23:05	10
1,3-Dichloropropane	ND		10	7.5	ug/L			09/28/19 23:05	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			09/28/19 23:05	10
2,2-Dichloropropane	ND		10	4.0	ug/L			09/28/19 23:05	10
2-Butanone (MEK)	ND		100	13	ug/L			09/28/19 23:05	10
2-Chloroethyl vinyl ether	ND		50	9.6	ug/L			09/28/19 23:05	10
o-Chlorotoluene	ND		10	8.6	ug/L			09/28/19 23:05	10
2-Hexanone	ND		50	12	ug/L			09/28/19 23:05	10
p-Chlorotoluene	ND		10	8.4	ug/L			09/28/19 23:05	10
p-Cymene	ND		10	3.1	ug/L			09/28/19 23:05	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			09/28/19 23:05	10
Acetone	ND		100	30	ug/L			09/28/19 23:05	10
Benzene	4.3 J		10	4.1	ug/L			09/28/19 23:05	10
Bromobenzene	ND		10	8.0	ug/L			09/28/19 23:05	10
Bromoform	ND		10	2.6	ug/L			09/28/19 23:05	10
Bromomethane	ND		10	6.9	ug/L			09/28/19 23:05	10
Carbon disulfide	ND		10	1.9	ug/L			09/28/19 23:05	10
Carbon tetrachloride	ND		10	2.7	ug/L			09/28/19 23:05	10
Chlorobenzene	11		10	7.5	ug/L			09/28/19 23:05	10
Bromochloromethane	ND		10	8.7	ug/L			09/28/19 23:05	10
Chlorodibromomethane	ND		10	3.2	ug/L			09/28/19 23:05	10
Chloroethane	ND		10	3.2	ug/L			09/28/19 23:05	10
Chloroform	ND		10	3.4	ug/L			09/28/19 23:05	10
Chloromethane	ND		10	3.5	ug/L			09/28/19 23:05	10

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-26B

Lab Sample ID: 480-159830-4

Date Collected: 09/24/19 11:00

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	8.3	J	10	8.1	ug/L			09/28/19 23:05	10
Bromodichloromethane	ND		10	3.9	ug/L			09/28/19 23:05	10
Dichlorodifluoromethane	ND	*	10	6.8	ug/L			09/28/19 23:05	10
Ethylbenzene	ND		10	7.4	ug/L			09/28/19 23:05	10
1,2-Dibromoethane	ND		10	7.3	ug/L			09/28/19 23:05	10
Hexachlorobutadiene	ND		20	2.8	ug/L			09/28/19 23:05	10
Isopropylbenzene	ND		10	7.9	ug/L			09/28/19 23:05	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			09/28/19 23:05	10
Methylene Chloride	14		10	4.4	ug/L			09/28/19 23:05	10
m-Xylene & p-Xylene	ND		20	6.6	ug/L			09/28/19 23:05	10
Naphthalene	ND		10	4.3	ug/L			09/28/19 23:05	10
n-Butylbenzene	ND		10	6.4	ug/L			09/28/19 23:05	10
N-Propylbenzene	ND		10	6.9	ug/L			09/28/19 23:05	10
o-Xylene	ND		10	7.6	ug/L			09/28/19 23:05	10
sec-Butylbenzene	ND		10	7.5	ug/L			09/28/19 23:05	10
Tetrachloroethene	260		10	3.6	ug/L			09/28/19 23:05	10
Toluene	ND		10	5.1	ug/L			09/28/19 23:05	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			09/28/19 23:05	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			09/28/19 23:05	10
Trichloroethene	11		10	4.6	ug/L			09/28/19 23:05	10
Trichlorofluoromethane	ND		10	8.8	ug/L			09/28/19 23:05	10
Vinyl acetate	ND		50	8.5	ug/L			09/28/19 23:05	10
Vinyl chloride	ND		10	9.0	ug/L			09/28/19 23:05	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			09/28/19 23:05	10
Styrene	ND		10	7.3	ug/L			09/28/19 23:05	10
tert-Butylbenzene	ND		10	8.1	ug/L			09/28/19 23:05	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		09/28/19 23:05	10
4-Bromofluorobenzene (Surr)	110		73 - 120		09/28/19 23:05	10
Toluene-d8 (Surr)	101		80 - 120		09/28/19 23:05	10
Dibromofluoromethane (Surr)	102		75 - 123		09/28/19 23:05	10

Client Sample ID: OW-30B

Lab Sample ID: 480-159830-5

Date Collected: 09/24/19 11:15

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/30/19 23:08	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/30/19 23:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/30/19 23:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/30/19 23:08	1
1,1-Dichloroethane	3.8		1.0	0.38	ug/L			09/30/19 23:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/30/19 23:08	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/30/19 23:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/30/19 23:08	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/30/19 23:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/30/19 23:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/30/19 23:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-30B

Lab Sample ID: 480-159830-5

Date Collected: 09/24/19 11:15

Matrix: Water

Date Received: 09/26/19 12:15

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			09/30/19 23:08	1
1,2-Dichlorobenzene	4.2		1.0	0.79	ug/L			09/30/19 23:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/30/19 23:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/30/19 23:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/30/19 23:08	1
1,3-Dichlorobenzene	12		1.0	0.78	ug/L			09/30/19 23:08	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/30/19 23:08	1
1,4-Dichlorobenzene	7.5		1.0	0.84	ug/L			09/30/19 23:08	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/30/19 23:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/30/19 23:08	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/30/19 23:08	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/30/19 23:08	1
2-Hexanone	ND		5.0	1.2	ug/L			09/30/19 23:08	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/30/19 23:08	1
p-Cymene	ND		1.0	0.31	ug/L			09/30/19 23:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/30/19 23:08	1
Acetone	ND		10	3.0	ug/L			09/30/19 23:08	1
Benzene	8.0		1.0	0.41	ug/L			09/30/19 23:08	1
Bromobenzene	ND		1.0	0.80	ug/L			09/30/19 23:08	1
Bromoform	ND		1.0	0.26	ug/L			09/30/19 23:08	1
Bromomethane	ND		1.0	0.69	ug/L			09/30/19 23:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/30/19 23:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/30/19 23:08	1
Chlorobenzene	36		1.0	0.75	ug/L			09/30/19 23:08	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/30/19 23:08	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/30/19 23:08	1
Chloroethane	ND		1.0	0.32	ug/L			09/30/19 23:08	1
Chloroform	ND		1.0	0.34	ug/L			09/30/19 23:08	1
Chloromethane	ND		1.0	0.35	ug/L			09/30/19 23:08	1
cis-1,2-Dichloroethene	5.3		1.0	0.81	ug/L			09/30/19 23:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/30/19 23:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/30/19 23:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/30/19 23:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/30/19 23:08	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			09/30/19 23:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/30/19 23:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/30/19 23:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/30/19 23:08	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/30/19 23:08	1
Naphthalene	ND		1.0	0.43	ug/L			09/30/19 23:08	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/30/19 23:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/30/19 23:08	1
o-Xylene	ND		1.0	0.76	ug/L			09/30/19 23:08	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/30/19 23:08	1
Tetrachloroethene	26		1.0	0.36	ug/L			09/30/19 23:08	1
Toluene	ND		1.0	0.51	ug/L			09/30/19 23:08	1
trans-1,2-Dichloroethene	2.5		1.0	0.90	ug/L			09/30/19 23:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/30/19 23:08	1
Trichloroethene	12		1.0	0.46	ug/L			09/30/19 23:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-30B

Lab Sample ID: 480-159830-5

Date Collected: 09/24/19 11:15

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/30/19 23:08	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/30/19 23:08	1
Vinyl chloride	2.9		1.0	0.90	ug/L			09/30/19 23:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/30/19 23:08	1
Styrene	ND		1.0	0.73	ug/L			09/30/19 23:08	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/30/19 23:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		09/30/19 23:08	1
4-Bromofluorobenzene (Surr)	105		73 - 120		09/30/19 23:08	1
Toluene-d8 (Surr)	98		80 - 120		09/30/19 23:08	1
Dibromofluoromethane (Surr)	102		75 - 123		09/30/19 23:08	1

Client Sample ID: OW-12B

Lab Sample ID: 480-159830-6

Date Collected: 09/24/19 11:25

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/30/19 23:32	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/30/19 23:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/30/19 23:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/30/19 23:32	1
1,1-Dichloroethane	1.5		1.0	0.38	ug/L			09/30/19 23:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/30/19 23:32	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/30/19 23:32	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/30/19 23:32	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/30/19 23:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/30/19 23:32	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/30/19 23:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/30/19 23:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/30/19 23:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/30/19 23:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/30/19 23:32	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/30/19 23:32	1
1,3-Dichlorobenzene	2.0		1.0	0.78	ug/L			09/30/19 23:32	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/30/19 23:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/30/19 23:32	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/30/19 23:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/30/19 23:32	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/30/19 23:32	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/30/19 23:32	1
2-Hexanone	ND		5.0	1.2	ug/L			09/30/19 23:32	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/30/19 23:32	1
p-Cymene	ND		1.0	0.31	ug/L			09/30/19 23:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/30/19 23:32	1
Acetone	ND		10	3.0	ug/L			09/30/19 23:32	1
Benzene	ND		1.0	0.41	ug/L			09/30/19 23:32	1
Bromobenzene	ND		1.0	0.80	ug/L			09/30/19 23:32	1
Bromoform	ND		1.0	0.26	ug/L			09/30/19 23:32	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-12B

Lab Sample ID: 480-159830-6

Date Collected: 09/24/19 11:25

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.69	ug/L			09/30/19 23:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/30/19 23:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/30/19 23:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/30/19 23:32	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/30/19 23:32	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/30/19 23:32	1
Chloroethane	ND		1.0	0.32	ug/L			09/30/19 23:32	1
Chloroform	ND		1.0	0.34	ug/L			09/30/19 23:32	1
Chloromethane	ND		1.0	0.35	ug/L			09/30/19 23:32	1
cis-1,2-Dichloroethene	40		1.0	0.81	ug/L			09/30/19 23:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/30/19 23:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/30/19 23:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/30/19 23:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/30/19 23:32	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			09/30/19 23:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/30/19 23:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/30/19 23:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/30/19 23:32	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/30/19 23:32	1
Naphthalene	ND		1.0	0.43	ug/L			09/30/19 23:32	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/30/19 23:32	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/30/19 23:32	1
o-Xylene	ND		1.0	0.76	ug/L			09/30/19 23:32	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/30/19 23:32	1
Tetrachloroethene	2.0		1.0	0.36	ug/L			09/30/19 23:32	1
Toluene	ND		1.0	0.51	ug/L			09/30/19 23:32	1
trans-1,2-Dichloroethene	3.0		1.0	0.90	ug/L			09/30/19 23:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/30/19 23:32	1
Trichloroethene	3.2		1.0	0.46	ug/L			09/30/19 23:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/30/19 23:32	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/30/19 23:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/30/19 23:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/30/19 23:32	1
Styrene	ND		1.0	0.73	ug/L			09/30/19 23:32	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/30/19 23:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		09/30/19 23:32	1
4-Bromofluorobenzene (Surr)	106		73 - 120		09/30/19 23:32	1
Toluene-d8 (Surr)	99		80 - 120		09/30/19 23:32	1
Dibromofluoromethane (Surr)	101		75 - 123		09/30/19 23:32	1

Client Sample ID: MW-5C

Lab Sample ID: 480-159830-7

Date Collected: 09/24/19 11:35

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		20	7.0	ug/L			09/29/19 00:17	20
1,1,1-Trichloroethane	ND		20	16	ug/L			09/29/19 00:17	20

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-5C

Lab Sample ID: 480-159830-7

Date Collected: 09/24/19 11:35

Matrix: Water

Date Received: 09/26/19 12:15

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		20	4.2	ug/L			09/29/19 00:17	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			09/29/19 00:17	20
1,1-Dichloroethane	ND		20	7.6	ug/L			09/29/19 00:17	20
1,1-Dichloroethene	ND		20	5.8	ug/L			09/29/19 00:17	20
1,1-Dichloropropene	ND		20	14	ug/L			09/29/19 00:17	20
1,2,3-Trichlorobenzene	ND		20	8.2	ug/L			09/29/19 00:17	20
1,2,3-Trichloropropane	ND		20	18	ug/L			09/29/19 00:17	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			09/29/19 00:17	20
1,2,4-Trimethylbenzene	ND		20	15	ug/L			09/29/19 00:17	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			09/29/19 00:17	20
1,2-Dichlorobenzene	93		20	16	ug/L			09/29/19 00:17	20
1,2-Dichloroethane	ND		20	4.2	ug/L			09/29/19 00:17	20
1,2-Dichloropropane	ND		20	14	ug/L			09/29/19 00:17	20
1,3,5-Trimethylbenzene	ND		20	15	ug/L			09/29/19 00:17	20
1,3-Dichlorobenzene	210		20	16	ug/L			09/29/19 00:17	20
1,3-Dichloropropane	ND		20	15	ug/L			09/29/19 00:17	20
1,4-Dichlorobenzene	430		20	17	ug/L			09/29/19 00:17	20
2,2-Dichloropropane	ND		20	8.0	ug/L			09/29/19 00:17	20
2-Butanone (MEK)	ND		200	26	ug/L			09/29/19 00:17	20
2-Chloroethyl vinyl ether	ND		100	19	ug/L			09/29/19 00:17	20
o-Chlorotoluene	ND		20	17	ug/L			09/29/19 00:17	20
2-Hexanone	ND		100	25	ug/L			09/29/19 00:17	20
p-Chlorotoluene	ND		20	17	ug/L			09/29/19 00:17	20
p-Cymene	ND		20	6.2	ug/L			09/29/19 00:17	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			09/29/19 00:17	20
Acetone	ND		200	60	ug/L			09/29/19 00:17	20
Benzene	190		20	8.2	ug/L			09/29/19 00:17	20
Bromobenzene	ND		20	16	ug/L			09/29/19 00:17	20
Bromoform	ND		20	5.2	ug/L			09/29/19 00:17	20
Bromomethane	ND		20	14	ug/L			09/29/19 00:17	20
Carbon disulfide	ND		20	3.8	ug/L			09/29/19 00:17	20
Carbon tetrachloride	ND		20	5.4	ug/L			09/29/19 00:17	20
Chlorobenzene	2400 E		20	15	ug/L			09/29/19 00:17	20
Bromochloromethane	ND		20	17	ug/L			09/29/19 00:17	20
Chlorodibromomethane	ND		20	6.4	ug/L			09/29/19 00:17	20
Chloroethane	ND		20	6.4	ug/L			09/29/19 00:17	20
Chloroform	ND		20	6.8	ug/L			09/29/19 00:17	20
Chloromethane	ND		20	7.0	ug/L			09/29/19 00:17	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			09/29/19 00:17	20
Bromodichloromethane	ND		20	7.8	ug/L			09/29/19 00:17	20
Dichlorodifluoromethane	ND *		20	14	ug/L			09/29/19 00:17	20
Ethylbenzene	ND		20	15	ug/L			09/29/19 00:17	20
1,2-Dibromoethane	ND		20	15	ug/L			09/29/19 00:17	20
Hexachlorobutadiene	ND		40	5.6	ug/L			09/29/19 00:17	20
Isopropylbenzene	ND		20	16	ug/L			09/29/19 00:17	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			09/29/19 00:17	20
Methylene Chloride	28		20	8.8	ug/L			09/29/19 00:17	20
m-Xylene & p-Xylene	ND		40	13	ug/L			09/29/19 00:17	20
Naphthalene	ND		20	8.6	ug/L			09/29/19 00:17	20

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-5C

Lab Sample ID: 480-159830-7

Date Collected: 09/24/19 11:35

Matrix: Water

Date Received: 09/26/19 12:15

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			09/29/19 00:17	20
N-Propylbenzene	ND		20	14	ug/L			09/29/19 00:17	20
o-Xylene	ND		20	15	ug/L			09/29/19 00:17	20
sec-Butylbenzene	ND		20	15	ug/L			09/29/19 00:17	20
Tetrachloroethene	ND		20	7.2	ug/L			09/29/19 00:17	20
Toluene	ND		20	10	ug/L			09/29/19 00:17	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			09/29/19 00:17	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			09/29/19 00:17	20
Trichloroethene	ND		20	9.2	ug/L			09/29/19 00:17	20
Trichlorofluoromethane	ND		20	18	ug/L			09/29/19 00:17	20
Vinyl acetate	ND		100	17	ug/L			09/29/19 00:17	20
Vinyl chloride	ND		20	18	ug/L			09/29/19 00:17	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			09/29/19 00:17	20
Styrene	ND		20	15	ug/L			09/29/19 00:17	20
tert-Butylbenzene	ND		20	16	ug/L			09/29/19 00:17	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		09/29/19 00:17	20
4-Bromofluorobenzene (Surr)	106		73 - 120		09/29/19 00:17	20
Toluene-d8 (Surr)	100		80 - 120		09/29/19 00:17	20
Dibromofluoromethane (Surr)	102		75 - 123		09/29/19 00:17	20

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		40	14	ug/L			09/30/19 23:56	40
1,1,1-Trichloroethane	ND		40	33	ug/L			09/30/19 23:56	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			09/30/19 23:56	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			09/30/19 23:56	40
1,1-Dichloroethane	ND		40	15	ug/L			09/30/19 23:56	40
1,1-Dichloroethene	ND		40	12	ug/L			09/30/19 23:56	40
1,1-Dichloropropene	ND		40	29	ug/L			09/30/19 23:56	40
1,2,3-Trichlorobenzene	ND		40	16	ug/L			09/30/19 23:56	40
1,2,3-Trichloropropane	ND		40	36	ug/L			09/30/19 23:56	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			09/30/19 23:56	40
1,2,4-Trimethylbenzene	ND		40	30	ug/L			09/30/19 23:56	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			09/30/19 23:56	40
1,2-Dichlorobenzene	90		40	32	ug/L			09/30/19 23:56	40
1,2-Dichloroethane	ND		40	8.4	ug/L			09/30/19 23:56	40
1,2-Dichloropropane	ND		40	29	ug/L			09/30/19 23:56	40
1,3,5-Trimethylbenzene	ND		40	31	ug/L			09/30/19 23:56	40
1,3-Dichlorobenzene	200		40	31	ug/L			09/30/19 23:56	40
1,3-Dichloropropane	ND		40	30	ug/L			09/30/19 23:56	40
1,4-Dichlorobenzene	410		40	34	ug/L			09/30/19 23:56	40
2,2-Dichloropropane	ND		40	16	ug/L			09/30/19 23:56	40
2-Butanone (MEK)	ND		400	53	ug/L			09/30/19 23:56	40
2-Chloroethyl vinyl ether	ND		200	38	ug/L			09/30/19 23:56	40
o-Chlorotoluene	ND		40	34	ug/L			09/30/19 23:56	40
2-Hexanone	ND		200	50	ug/L			09/30/19 23:56	40
p-Chlorotoluene	ND		40	34	ug/L			09/30/19 23:56	40
p-Cymene	ND		40	12	ug/L			09/30/19 23:56	40

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-5C

Lab Sample ID: 480-159830-7

Date Collected: 09/24/19 11:35

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			09/30/19 23:56	40
Acetone	ND		400	120	ug/L			09/30/19 23:56	40
Benzene	180		40	16	ug/L			09/30/19 23:56	40
Bromobenzene	ND		40	32	ug/L			09/30/19 23:56	40
Bromoform	ND		40	10	ug/L			09/30/19 23:56	40
Bromomethane	ND		40	28	ug/L			09/30/19 23:56	40
Carbon disulfide	ND		40	7.6	ug/L			09/30/19 23:56	40
Carbon tetrachloride	ND		40	11	ug/L			09/30/19 23:56	40
Chlorobenzene	2200		40	30	ug/L			09/30/19 23:56	40
Bromochloromethane	ND		40	35	ug/L			09/30/19 23:56	40
Chlorodibromomethane	ND		40	13	ug/L			09/30/19 23:56	40
Chloroethane	ND		40	13	ug/L			09/30/19 23:56	40
Chloroform	ND		40	14	ug/L			09/30/19 23:56	40
Chloromethane	ND		40	14	ug/L			09/30/19 23:56	40
cis-1,2-Dichloroethene	ND		40	32	ug/L			09/30/19 23:56	40
Bromodichloromethane	ND		40	16	ug/L			09/30/19 23:56	40
Dichlorodifluoromethane	ND		40	27	ug/L			09/30/19 23:56	40
Ethylbenzene	ND		40	30	ug/L			09/30/19 23:56	40
1,2-Dibromoethane	ND		40	29	ug/L			09/30/19 23:56	40
Hexachlorobutadiene	ND		80	11	ug/L			09/30/19 23:56	40
Isopropylbenzene	ND		40	32	ug/L			09/30/19 23:56	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			09/30/19 23:56	40
Methylene Chloride	20 J		40	18	ug/L			09/30/19 23:56	40
m-Xylene & p-Xylene	ND		80	26	ug/L			09/30/19 23:56	40
Naphthalene	ND		40	17	ug/L			09/30/19 23:56	40
n-Butylbenzene	ND		40	26	ug/L			09/30/19 23:56	40
N-Propylbenzene	ND		40	28	ug/L			09/30/19 23:56	40
o-Xylene	ND		40	30	ug/L			09/30/19 23:56	40
sec-Butylbenzene	ND		40	30	ug/L			09/30/19 23:56	40
Tetrachloroethene	ND		40	14	ug/L			09/30/19 23:56	40
Toluene	ND		40	20	ug/L			09/30/19 23:56	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			09/30/19 23:56	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			09/30/19 23:56	40
Trichloroethene	ND		40	18	ug/L			09/30/19 23:56	40
Trichlorofluoromethane	ND		40	35	ug/L			09/30/19 23:56	40
Vinyl acetate	ND		200	34	ug/L			09/30/19 23:56	40
Vinyl chloride	ND		40	36	ug/L			09/30/19 23:56	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			09/30/19 23:56	40
Styrene	ND		40	29	ug/L			09/30/19 23:56	40
tert-Butylbenzene	ND		40	32	ug/L			09/30/19 23:56	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		09/30/19 23:56	40
4-Bromofluorobenzene (Surr)	107		73 - 120		09/30/19 23:56	40
Toluene-d8 (Surr)	99		80 - 120		09/30/19 23:56	40
Dibromofluoromethane (Surr)	98		75 - 123		09/30/19 23:56	40

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-5A

Lab Sample ID: 480-159830-8

Date Collected: 09/24/19 11:45

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/29/19 00:41	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/29/19 00:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/29/19 00:41	1
1,1,2-Trichloroethane	0.45	J	1.0	0.23	ug/L			09/29/19 00:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/29/19 00:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/29/19 00:41	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/29/19 00:41	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/29/19 00:41	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/29/19 00:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/29/19 00:41	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/29/19 00:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/29/19 00:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/29/19 00:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/29/19 00:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/29/19 00:41	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/29/19 00:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/29/19 00:41	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/29/19 00:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/29/19 00:41	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/29/19 00:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/29/19 00:41	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/29/19 00:41	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/29/19 00:41	1
2-Hexanone	ND		5.0	1.2	ug/L			09/29/19 00:41	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/29/19 00:41	1
p-Cymene	ND		1.0	0.31	ug/L			09/29/19 00:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/29/19 00:41	1
Acetone	ND		10	3.0	ug/L			09/29/19 00:41	1
Benzene	ND		1.0	0.41	ug/L			09/29/19 00:41	1
Bromobenzene	ND		1.0	0.80	ug/L			09/29/19 00:41	1
Bromoform	ND		1.0	0.26	ug/L			09/29/19 00:41	1
Bromomethane	ND		1.0	0.69	ug/L			09/29/19 00:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/29/19 00:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/29/19 00:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/29/19 00:41	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/29/19 00:41	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/29/19 00:41	1
Chloroethane	ND		1.0	0.32	ug/L			09/29/19 00:41	1
Chloroform	ND		1.0	0.34	ug/L			09/29/19 00:41	1
Chloromethane	ND		1.0	0.35	ug/L			09/29/19 00:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/29/19 00:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/29/19 00:41	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			09/29/19 00:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/29/19 00:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/29/19 00:41	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			09/29/19 00:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/29/19 00:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/29/19 00:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/29/19 00:41	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-5A

Lab Sample ID: 480-159830-8

Date Collected: 09/24/19 11:45

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/29/19 00:41	1
Naphthalene	ND		1.0	0.43	ug/L			09/29/19 00:41	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/29/19 00:41	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/29/19 00:41	1
o-Xylene	ND		1.0	0.76	ug/L			09/29/19 00:41	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/29/19 00:41	1
Tetrachloroethene	19		1.0	0.36	ug/L			09/29/19 00:41	1
Toluene	ND		1.0	0.51	ug/L			09/29/19 00:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/29/19 00:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/29/19 00:41	1
Trichloroethene	0.57 J		1.0	0.46	ug/L			09/29/19 00:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/29/19 00:41	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/29/19 00:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/29/19 00:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/29/19 00:41	1
Styrene	ND		1.0	0.73	ug/L			09/29/19 00:41	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/29/19 00:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		09/29/19 00:41	1
4-Bromofluorobenzene (Surr)	103		73 - 120		09/29/19 00:41	1
Toluene-d8 (Surr)	102		80 - 120		09/29/19 00:41	1
Dibromofluoromethane (Surr)	105		75 - 123		09/29/19 00:41	1

Client Sample ID: MW-5CD

Lab Sample ID: 480-159830-9

Date Collected: 09/24/19 11:55

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		40	14	ug/L			09/29/19 01:05	40
1,1,1-Trichloroethane	ND		40	33	ug/L			09/29/19 01:05	40
1,1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			09/29/19 01:05	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			09/29/19 01:05	40
1,1-Dichloroethane	ND		40	15	ug/L			09/29/19 01:05	40
1,1-Dichloroethene	ND		40	12	ug/L			09/29/19 01:05	40
1,1-Dichloropropene	ND		40	29	ug/L			09/29/19 01:05	40
1,2,3-Trichlorobenzene	ND		40	16	ug/L			09/29/19 01:05	40
1,2,3-Trichloropropane	ND		40	36	ug/L			09/29/19 01:05	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			09/29/19 01:05	40
1,2,4-Trimethylbenzene	ND		40	30	ug/L			09/29/19 01:05	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			09/29/19 01:05	40
1,2-Dichlorobenzene	55		40	32	ug/L			09/29/19 01:05	40
1,2-Dichloroethane	ND		40	8.4	ug/L			09/29/19 01:05	40
1,2-Dichloropropane	ND		40	29	ug/L			09/29/19 01:05	40
1,3,5-Trimethylbenzene	ND		40	31	ug/L			09/29/19 01:05	40
1,3-Dichlorobenzene	ND		40	31	ug/L			09/29/19 01:05	40
1,3-Dichloropropane	ND		40	30	ug/L			09/29/19 01:05	40
1,4-Dichlorobenzene	43		40	34	ug/L			09/29/19 01:05	40
2,2-Dichloropropane	ND		40	16	ug/L			09/29/19 01:05	40

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-5CD

Lab Sample ID: 480-159830-9

Date Collected: 09/24/19 11:55

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		400	53	ug/L			09/29/19 01:05	40
2-Chloroethyl vinyl ether	ND		200	38	ug/L			09/29/19 01:05	40
o-Chlorotoluene	ND		40	34	ug/L			09/29/19 01:05	40
2-Hexanone	ND		200	50	ug/L			09/29/19 01:05	40
p-Chlorotoluene	ND		40	34	ug/L			09/29/19 01:05	40
p-Cymene	ND		40	12	ug/L			09/29/19 01:05	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			09/29/19 01:05	40
Acetone	ND		400	120	ug/L			09/29/19 01:05	40
Benzene	18	J	40	16	ug/L			09/29/19 01:05	40
Bromobenzene	ND		40	32	ug/L			09/29/19 01:05	40
Bromoform	ND		40	10	ug/L			09/29/19 01:05	40
Bromomethane	ND		40	28	ug/L			09/29/19 01:05	40
Carbon disulfide	ND		40	7.6	ug/L			09/29/19 01:05	40
Carbon tetrachloride	ND		40	11	ug/L			09/29/19 01:05	40
Chlorobenzene	ND		40	30	ug/L			09/29/19 01:05	40
Bromochloromethane	ND		40	35	ug/L			09/29/19 01:05	40
Chlorodibromomethane	ND		40	13	ug/L			09/29/19 01:05	40
Chloroethane	ND		40	13	ug/L			09/29/19 01:05	40
Chloroform	ND		40	14	ug/L			09/29/19 01:05	40
Chloromethane	ND		40	14	ug/L			09/29/19 01:05	40
cis-1,2-Dichloroethene	2000		40	32	ug/L			09/29/19 01:05	40
Bromodichloromethane	ND		40	16	ug/L			09/29/19 01:05	40
Dichlorodifluoromethane	ND	*	40	27	ug/L			09/29/19 01:05	40
Ethylbenzene	ND		40	30	ug/L			09/29/19 01:05	40
1,2-Dibromoethane	ND		40	29	ug/L			09/29/19 01:05	40
Hexachlorobutadiene	ND		80	11	ug/L			09/29/19 01:05	40
Isopropylbenzene	ND		40	32	ug/L			09/29/19 01:05	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			09/29/19 01:05	40
Methylene Chloride	35	J	40	18	ug/L			09/29/19 01:05	40
m-Xylene & p-Xylene	ND		80	26	ug/L			09/29/19 01:05	40
Naphthalene	ND		40	17	ug/L			09/29/19 01:05	40
n-Butylbenzene	ND		40	26	ug/L			09/29/19 01:05	40
N-Propylbenzene	ND		40	28	ug/L			09/29/19 01:05	40
o-Xylene	ND		40	30	ug/L			09/29/19 01:05	40
sec-Butylbenzene	ND		40	30	ug/L			09/29/19 01:05	40
Tetrachloroethene	ND		40	14	ug/L			09/29/19 01:05	40
Toluene	ND		40	20	ug/L			09/29/19 01:05	40
trans-1,2-Dichloroethene	51		40	36	ug/L			09/29/19 01:05	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			09/29/19 01:05	40
Trichloroethene	ND		40	18	ug/L			09/29/19 01:05	40
Trichlorofluoromethane	ND		40	35	ug/L			09/29/19 01:05	40
Vinyl acetate	ND		200	34	ug/L			09/29/19 01:05	40
Vinyl chloride	1300		40	36	ug/L			09/29/19 01:05	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			09/29/19 01:05	40
Styrene	ND		40	29	ug/L			09/29/19 01:05	40
tert-Butylbenzene	ND		40	32	ug/L			09/29/19 01:05	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		09/29/19 01:05	40
4-Bromofluorobenzene (Surr)	107		73 - 120		09/29/19 01:05	40

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-5CD

Lab Sample ID: 480-159830-9

Date Collected: 09/24/19 11:55

Matrix: Water

Date Received: 09/26/19 12:15

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		09/29/19 01:05	40
Dibromofluoromethane (Surr)	104		75 - 123		09/29/19 01:05	40

Client Sample ID: OW-9A

Lab Sample ID: 480-159830-10

Date Collected: 09/24/19 12:05

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		50	18	ug/L			09/29/19 01:29	50
1,1,1-Trichloroethane	ND		50	41	ug/L			09/29/19 01:29	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			09/29/19 01:29	50
1,1,2-Trichloroethane	ND		50	12	ug/L			09/29/19 01:29	50
1,1-Dichloroethane	ND		50	19	ug/L			09/29/19 01:29	50
1,1-Dichloroethene	ND		50	15	ug/L			09/29/19 01:29	50
1,1-Dichloropropene	ND		50	36	ug/L			09/29/19 01:29	50
1,2,3-Trichlorobenzene	ND		50	21	ug/L			09/29/19 01:29	50
1,2,3-Trichloropropane	ND		50	45	ug/L			09/29/19 01:29	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			09/29/19 01:29	50
1,2,4-Trimethylbenzene	ND		50	38	ug/L			09/29/19 01:29	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			09/29/19 01:29	50
1,2-Dichlorobenzene	580		50	40	ug/L			09/29/19 01:29	50
1,2-Dichloroethane	ND		50	11	ug/L			09/29/19 01:29	50
1,2-Dichloropropane	ND		50	36	ug/L			09/29/19 01:29	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			09/29/19 01:29	50
1,3-Dichlorobenzene	ND		50	39	ug/L			09/29/19 01:29	50
1,3-Dichloropropane	ND		50	38	ug/L			09/29/19 01:29	50
1,4-Dichlorobenzene	ND		50	42	ug/L			09/29/19 01:29	50
2,2-Dichloropropane	ND		50	20	ug/L			09/29/19 01:29	50
2-Butanone (MEK)	ND		500	66	ug/L			09/29/19 01:29	50
2-Chloroethyl vinyl ether	ND		250	48	ug/L			09/29/19 01:29	50
o-Chlorotoluene	ND		50	43	ug/L			09/29/19 01:29	50
2-Hexanone	ND		250	62	ug/L			09/29/19 01:29	50
p-Chlorotoluene	ND		50	42	ug/L			09/29/19 01:29	50
p-Cymene	ND		50	16	ug/L			09/29/19 01:29	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			09/29/19 01:29	50
Acetone	ND		500	150	ug/L			09/29/19 01:29	50
Benzene	ND		50	21	ug/L			09/29/19 01:29	50
Bromobenzene	ND		50	40	ug/L			09/29/19 01:29	50
Bromoform	ND		50	13	ug/L			09/29/19 01:29	50
Bromomethane	ND		50	35	ug/L			09/29/19 01:29	50
Carbon disulfide	ND		50	9.5	ug/L			09/29/19 01:29	50
Carbon tetrachloride	ND		50	14	ug/L			09/29/19 01:29	50
Chlorobenzene	ND		50	38	ug/L			09/29/19 01:29	50
Bromochloromethane	ND		50	44	ug/L			09/29/19 01:29	50
Chlorodibromomethane	ND		50	16	ug/L			09/29/19 01:29	50
Chloroethane	ND		50	16	ug/L			09/29/19 01:29	50
Chloroform	ND		50	17	ug/L			09/29/19 01:29	50
Chloromethane	ND		50	18	ug/L			09/29/19 01:29	50

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-9A

Lab Sample ID: 480-159830-10

Date Collected: 09/24/19 12:05

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	530		50	41	ug/L			09/29/19 01:29	50
Bromodichloromethane	ND		50	20	ug/L			09/29/19 01:29	50
Dichlorodifluoromethane	ND	*	50	34	ug/L			09/29/19 01:29	50
Ethylbenzene	ND		50	37	ug/L			09/29/19 01:29	50
1,2-Dibromoethane	ND		50	37	ug/L			09/29/19 01:29	50
Hexachlorobutadiene	ND		100	14	ug/L			09/29/19 01:29	50
Isopropylbenzene	ND		50	40	ug/L			09/29/19 01:29	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			09/29/19 01:29	50
Methylene Chloride	53		50	22	ug/L			09/29/19 01:29	50
m-Xylene & p-Xylene	ND		100	33	ug/L			09/29/19 01:29	50
Naphthalene	ND		50	22	ug/L			09/29/19 01:29	50
n-Butylbenzene	ND		50	32	ug/L			09/29/19 01:29	50
N-Propylbenzene	ND		50	35	ug/L			09/29/19 01:29	50
o-Xylene	ND		50	38	ug/L			09/29/19 01:29	50
sec-Butylbenzene	ND		50	38	ug/L			09/29/19 01:29	50
Tetrachloroethene	5100	E	50	18	ug/L			09/29/19 01:29	50
Toluene	ND		50	26	ug/L			09/29/19 01:29	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			09/29/19 01:29	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			09/29/19 01:29	50
Trichloroethene	330		50	23	ug/L			09/29/19 01:29	50
Trichlorofluoromethane	ND		50	44	ug/L			09/29/19 01:29	50
Vinyl acetate	ND		250	43	ug/L			09/29/19 01:29	50
Vinyl chloride	ND		50	45	ug/L			09/29/19 01:29	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			09/29/19 01:29	50
Styrene	ND		50	37	ug/L			09/29/19 01:29	50
tert-Butylbenzene	ND		50	41	ug/L			09/29/19 01:29	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		09/29/19 01:29	50
4-Bromofluorobenzene (Surr)	107		73 - 120		09/29/19 01:29	50
Toluene-d8 (Surr)	101		80 - 120		09/29/19 01:29	50
Dibromofluoromethane (Surr)	102		75 - 123		09/29/19 01:29	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	35	ug/L			10/01/19 00:20	100
1,1,1-Trichloroethane	ND		100	82	ug/L			10/01/19 00:20	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			10/01/19 00:20	100
1,1,2-Trichloroethane	ND		100	23	ug/L			10/01/19 00:20	100
1,1-Dichloroethane	ND		100	38	ug/L			10/01/19 00:20	100
1,1-Dichloroethene	ND		100	29	ug/L			10/01/19 00:20	100
1,1-Dichloropropene	ND		100	72	ug/L			10/01/19 00:20	100
1,2,3-Trichlorobenzene	ND		100	41	ug/L			10/01/19 00:20	100
1,2,3-Trichloropropane	ND		100	89	ug/L			10/01/19 00:20	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			10/01/19 00:20	100
1,2,4-Trimethylbenzene	ND		100	75	ug/L			10/01/19 00:20	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			10/01/19 00:20	100
1,2-Dichlorobenzene	560		100	79	ug/L			10/01/19 00:20	100
1,2-Dichloroethane	ND		100	21	ug/L			10/01/19 00:20	100
1,2-Dichloropropane	ND		100	72	ug/L			10/01/19 00:20	100

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-9A

Lab Sample ID: 480-159830-10

Date Collected: 09/24/19 12:05

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		100	77	ug/L			10/01/19 00:20	100
1,3-Dichlorobenzene	ND		100	78	ug/L			10/01/19 00:20	100
1,3-Dichloropropane	ND		100	75	ug/L			10/01/19 00:20	100
1,4-Dichlorobenzene	ND		100	84	ug/L			10/01/19 00:20	100
2,2-Dichloropropane	ND		100	40	ug/L			10/01/19 00:20	100
2-Butanone (MEK)	ND		1000	130	ug/L			10/01/19 00:20	100
2-Chloroethyl vinyl ether	ND		500	96	ug/L			10/01/19 00:20	100
o-Chlorotoluene	ND		100	86	ug/L			10/01/19 00:20	100
2-Hexanone	ND		500	120	ug/L			10/01/19 00:20	100
p-Chlorotoluene	ND		100	84	ug/L			10/01/19 00:20	100
p-Cymene	ND		100	31	ug/L			10/01/19 00:20	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			10/01/19 00:20	100
Acetone	ND		1000	300	ug/L			10/01/19 00:20	100
Benzene	ND		100	41	ug/L			10/01/19 00:20	100
Bromobenzene	ND		100	80	ug/L			10/01/19 00:20	100
Bromoform	ND		100	26	ug/L			10/01/19 00:20	100
Bromomethane	ND		100	69	ug/L			10/01/19 00:20	100
Carbon disulfide	ND		100	19	ug/L			10/01/19 00:20	100
Carbon tetrachloride	ND		100	27	ug/L			10/01/19 00:20	100
Chlorobenzene	ND		100	75	ug/L			10/01/19 00:20	100
Bromochloromethane	ND		100	87	ug/L			10/01/19 00:20	100
Chlorodibromomethane	ND		100	32	ug/L			10/01/19 00:20	100
Chloroethane	ND		100	32	ug/L			10/01/19 00:20	100
Chloroform	ND		100	34	ug/L			10/01/19 00:20	100
Chloromethane	ND		100	35	ug/L			10/01/19 00:20	100
cis-1,2-Dichloroethene	510		100	81	ug/L			10/01/19 00:20	100
Bromodichloromethane	ND		100	39	ug/L			10/01/19 00:20	100
Dichlorodifluoromethane	ND		100	68	ug/L			10/01/19 00:20	100
Ethylbenzene	ND		100	74	ug/L			10/01/19 00:20	100
1,2-Dibromoethane	ND		100	73	ug/L			10/01/19 00:20	100
Hexachlorobutadiene	ND		200	28	ug/L			10/01/19 00:20	100
Isopropylbenzene	ND		100	79	ug/L			10/01/19 00:20	100
Methyl tert-butyl ether	ND		100	16	ug/L			10/01/19 00:20	100
Methylene Chloride	70 J		100	44	ug/L			10/01/19 00:20	100
m-Xylene & p-Xylene	ND		200	66	ug/L			10/01/19 00:20	100
Naphthalene	ND		100	43	ug/L			10/01/19 00:20	100
n-Butylbenzene	ND		100	64	ug/L			10/01/19 00:20	100
N-Propylbenzene	ND		100	69	ug/L			10/01/19 00:20	100
o-Xylene	ND		100	76	ug/L			10/01/19 00:20	100
sec-Butylbenzene	ND		100	75	ug/L			10/01/19 00:20	100
Tetrachloroethene	5700		100	36	ug/L			10/01/19 00:20	100
Toluene	ND		100	51	ug/L			10/01/19 00:20	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			10/01/19 00:20	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			10/01/19 00:20	100
Trichloroethene	370		100	46	ug/L			10/01/19 00:20	100
Trichlorofluoromethane	ND		100	88	ug/L			10/01/19 00:20	100
Vinyl acetate	ND		500	85	ug/L			10/01/19 00:20	100
Vinyl chloride	ND		100	90	ug/L			10/01/19 00:20	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			10/01/19 00:20	100

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-9A

Lab Sample ID: 480-159830-10

Date Collected: 09/24/19 12:05

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		100	73	ug/L			10/01/19 00:20	100
tert-Butylbenzene	ND		100	81	ug/L			10/01/19 00:20	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		10/01/19 00:20	100
4-Bromofluorobenzene (Surr)	105		73 - 120		10/01/19 00:20	100
Toluene-d8 (Surr)	100		80 - 120		10/01/19 00:20	100
Dibromofluoromethane (Surr)	103		75 - 123		10/01/19 00:20	100

Client Sample ID: OW-16A

Lab Sample ID: 480-159830-11

Date Collected: 09/24/19 12:15

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/29/19 01:53	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/29/19 01:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/29/19 01:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/29/19 01:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/29/19 01:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/29/19 01:53	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/29/19 01:53	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/29/19 01:53	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/29/19 01:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/29/19 01:53	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/29/19 01:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/29/19 01:53	1
1,2-Dichlorobenzene	32		1.0	0.79	ug/L			09/29/19 01:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/29/19 01:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/29/19 01:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/29/19 01:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/29/19 01:53	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/29/19 01:53	1
1,4-Dichlorobenzene	5.7		1.0	0.84	ug/L			09/29/19 01:53	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/29/19 01:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/29/19 01:53	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/29/19 01:53	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/29/19 01:53	1
2-Hexanone	ND		5.0	1.2	ug/L			09/29/19 01:53	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/29/19 01:53	1
p-Cymene	ND		1.0	0.31	ug/L			09/29/19 01:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/29/19 01:53	1
Acetone	ND		10	3.0	ug/L			09/29/19 01:53	1
Benzene	ND		1.0	0.41	ug/L			09/29/19 01:53	1
Bromobenzene	ND		1.0	0.80	ug/L			09/29/19 01:53	1
Bromoform	ND		1.0	0.26	ug/L			09/29/19 01:53	1
Bromomethane	ND		1.0	0.69	ug/L			09/29/19 01:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/29/19 01:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/29/19 01:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/29/19 01:53	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-16A

Lab Sample ID: 480-159830-11

Date Collected: 09/24/19 12:15

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	ND		1.0	0.87	ug/L			09/29/19 01:53	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/29/19 01:53	1
Chloroethane	ND		1.0	0.32	ug/L			09/29/19 01:53	1
Chloroform	ND		1.0	0.34	ug/L			09/29/19 01:53	1
Chloromethane	ND		1.0	0.35	ug/L			09/29/19 01:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/29/19 01:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/29/19 01:53	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			09/29/19 01:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/29/19 01:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/29/19 01:53	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			09/29/19 01:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/29/19 01:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/29/19 01:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/29/19 01:53	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/29/19 01:53	1
Naphthalene	ND		1.0	0.43	ug/L			09/29/19 01:53	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/29/19 01:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/29/19 01:53	1
o-Xylene	ND		1.0	0.76	ug/L			09/29/19 01:53	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/29/19 01:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/29/19 01:53	1
Toluene	ND		1.0	0.51	ug/L			09/29/19 01:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/29/19 01:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/29/19 01:53	1
Trichloroethene	ND		1.0	0.46	ug/L			09/29/19 01:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/29/19 01:53	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/29/19 01:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/29/19 01:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/29/19 01:53	1
Styrene	ND		1.0	0.73	ug/L			09/29/19 01:53	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/29/19 01:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		09/29/19 01:53	1
4-Bromofluorobenzene (Surr)	103		73 - 120		09/29/19 01:53	1
Toluene-d8 (Surr)	99		80 - 120		09/29/19 01:53	1
Dibromofluoromethane (Surr)	100		75 - 123		09/29/19 01:53	1

Client Sample ID: OW-13B

Lab Sample ID: 480-159830-12

Date Collected: 09/24/19 12:25

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		80	28	ug/L			09/29/19 02:18	80
1,1,1-Trichloroethane	ND		80	66	ug/L			09/29/19 02:18	80
1,1,2,2-Tetrachloroethane	340		80	17	ug/L			09/29/19 02:18	80
1,1,2-Trichloroethane	ND		80	18	ug/L			09/29/19 02:18	80
1,1-Dichloroethane	ND		80	30	ug/L			09/29/19 02:18	80
1,1-Dichloroethene	49	J	80	23	ug/L			09/29/19 02:18	80

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-13B

Lab Sample ID: 480-159830-12

Date Collected: 09/24/19 12:25

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		80	58	ug/L			09/29/19 02:18	80
1,2,3-Trichlorobenzene	350		80	33	ug/L			09/29/19 02:18	80
1,2,3-Trichloropropane	ND		80	71	ug/L			09/29/19 02:18	80
1,2,4-Trichlorobenzene	4900		80	33	ug/L			09/29/19 02:18	80
1,2,4-Trimethylbenzene	ND		80	60	ug/L			09/29/19 02:18	80
1,2-Dibromo-3-Chloropropane	ND		80	31	ug/L			09/29/19 02:18	80
1,2-Dichlorobenzene	6800		80	63	ug/L			09/29/19 02:18	80
1,2-Dichloroethane	ND		80	17	ug/L			09/29/19 02:18	80
1,2-Dichloropropane	ND		80	58	ug/L			09/29/19 02:18	80
1,3,5-Trimethylbenzene	ND		80	62	ug/L			09/29/19 02:18	80
1,3-Dichlorobenzene	1500		80	62	ug/L			09/29/19 02:18	80
1,3-Dichloropropane	ND		80	60	ug/L			09/29/19 02:18	80
1,4-Dichlorobenzene	5400		80	67	ug/L			09/29/19 02:18	80
2,2-Dichloropropane	ND		80	32	ug/L			09/29/19 02:18	80
2-Butanone (MEK)	ND		800	110	ug/L			09/29/19 02:18	80
2-Chloroethyl vinyl ether	ND		400	77	ug/L			09/29/19 02:18	80
o-Chlorotoluene	ND		80	69	ug/L			09/29/19 02:18	80
2-Hexanone	ND		400	99	ug/L			09/29/19 02:18	80
p-Chlorotoluene	ND		80	67	ug/L			09/29/19 02:18	80
p-Cymene	ND		80	25	ug/L			09/29/19 02:18	80
4-Methyl-2-pentanone (MIBK)	ND		400	170	ug/L			09/29/19 02:18	80
Acetone	ND		800	240	ug/L			09/29/19 02:18	80
Benzene	850		80	33	ug/L			09/29/19 02:18	80
Bromobenzene	ND		80	64	ug/L			09/29/19 02:18	80
Bromoform	ND		80	21	ug/L			09/29/19 02:18	80
Bromomethane	ND		80	55	ug/L			09/29/19 02:18	80
Carbon disulfide	ND		80	15	ug/L			09/29/19 02:18	80
Carbon tetrachloride	ND		80	22	ug/L			09/29/19 02:18	80
Chlorobenzene	6200		80	60	ug/L			09/29/19 02:18	80
Bromochloromethane	ND		80	70	ug/L			09/29/19 02:18	80
Chlorodibromomethane	ND		80	26	ug/L			09/29/19 02:18	80
Chloroethane	ND		80	26	ug/L			09/29/19 02:18	80
Chloroform	28 J		80	27	ug/L			09/29/19 02:18	80
Chloromethane	ND		80	28	ug/L			09/29/19 02:18	80
cis-1,2-Dichloroethene	11000 E		80	65	ug/L			09/29/19 02:18	80
Bromodichloromethane	ND		80	31	ug/L			09/29/19 02:18	80
Dichlorodifluoromethane	ND *		80	54	ug/L			09/29/19 02:18	80
Ethylbenzene	ND		80	59	ug/L			09/29/19 02:18	80
1,2-Dibromoethane	ND		80	58	ug/L			09/29/19 02:18	80
Hexachlorobutadiene	ND		160	22	ug/L			09/29/19 02:18	80
Isopropylbenzene	ND		80	63	ug/L			09/29/19 02:18	80
Methyl tert-butyl ether	ND		80	13	ug/L			09/29/19 02:18	80
Methylene Chloride	62 J		80	35	ug/L			09/29/19 02:18	80
m-Xylene & p-Xylene	ND		160	53	ug/L			09/29/19 02:18	80
Naphthalene	ND		80	34	ug/L			09/29/19 02:18	80
n-Butylbenzene	ND		80	51	ug/L			09/29/19 02:18	80
N-Propylbenzene	ND		80	55	ug/L			09/29/19 02:18	80
o-Xylene	ND		80	61	ug/L			09/29/19 02:18	80
sec-Butylbenzene	ND		80	60	ug/L			09/29/19 02:18	80

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-13B

Lab Sample ID: 480-159830-12

Date Collected: 09/24/19 12:25

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	940		80	29	ug/L			09/29/19 02:18	80
Toluene	ND		80	41	ug/L			09/29/19 02:18	80
trans-1,2-Dichloroethene	200		80	72	ug/L			09/29/19 02:18	80
trans-1,3-Dichloropropene	ND		80	30	ug/L			09/29/19 02:18	80
Trichloroethene	2300		80	37	ug/L			09/29/19 02:18	80
Trichlorofluoromethane	ND		80	70	ug/L			09/29/19 02:18	80
Vinyl acetate	ND		400	68	ug/L			09/29/19 02:18	80
Vinyl chloride	1100		80	72	ug/L			09/29/19 02:18	80
cis-1,3-Dichloropropene	ND		80	29	ug/L			09/29/19 02:18	80
Styrene	ND		80	58	ug/L			09/29/19 02:18	80
tert-Butylbenzene	ND		80	65	ug/L			09/29/19 02:18	80

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		09/29/19 02:18	80
4-Bromofluorobenzene (Surr)	104		73 - 120		09/29/19 02:18	80
Toluene-d8 (Surr)	99		80 - 120		09/29/19 02:18	80
Dibromofluoromethane (Surr)	103		75 - 123		09/29/19 02:18	80

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200	70	ug/L			10/01/19 00:44	200
1,1,1-Trichloroethane	ND		200	160	ug/L			10/01/19 00:44	200
1,1,2,2-Tetrachloroethane	390		200	42	ug/L			10/01/19 00:44	200
1,1,2-Trichloroethane	ND		200	46	ug/L			10/01/19 00:44	200
1,1-Dichloroethane	ND		200	76	ug/L			10/01/19 00:44	200
1,1-Dichloroethene	ND		200	58	ug/L			10/01/19 00:44	200
1,1-Dichloropropene	ND		200	140	ug/L			10/01/19 00:44	200
1,2,3-Trichlorobenzene	330		200	82	ug/L			10/01/19 00:44	200
1,2,3-Trichloropropane	ND		200	180	ug/L			10/01/19 00:44	200
1,2,4-Trichlorobenzene	4700		200	82	ug/L			10/01/19 00:44	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			10/01/19 00:44	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			10/01/19 00:44	200
1,2-Dichlorobenzene	6600		200	160	ug/L			10/01/19 00:44	200
1,2-Dichloroethane	ND		200	42	ug/L			10/01/19 00:44	200
1,2-Dichloropropane	ND		200	140	ug/L			10/01/19 00:44	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			10/01/19 00:44	200
1,3-Dichlorobenzene	1500		200	160	ug/L			10/01/19 00:44	200
1,3-Dichloropropane	ND		200	150	ug/L			10/01/19 00:44	200
1,4-Dichlorobenzene	5200		200	170	ug/L			10/01/19 00:44	200
2,2-Dichloropropane	ND		200	80	ug/L			10/01/19 00:44	200
2-Butanone (MEK)	ND		2000	260	ug/L			10/01/19 00:44	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			10/01/19 00:44	200
o-Chlorotoluene	ND		200	170	ug/L			10/01/19 00:44	200
2-Hexanone	ND		1000	250	ug/L			10/01/19 00:44	200
p-Chlorotoluene	ND		200	170	ug/L			10/01/19 00:44	200
p-Cymene	ND		200	62	ug/L			10/01/19 00:44	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			10/01/19 00:44	200
Acetone	ND		2000	600	ug/L			10/01/19 00:44	200
Benzene	820		200	82	ug/L			10/01/19 00:44	200
Bromobenzene	ND		200	160	ug/L			10/01/19 00:44	200

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-13B

Lab Sample ID: 480-159830-12

Date Collected: 09/24/19 12:25

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		200	52	ug/L			10/01/19 00:44	200
Bromomethane	ND		200	140	ug/L			10/01/19 00:44	200
Carbon disulfide	ND		200	38	ug/L			10/01/19 00:44	200
Carbon tetrachloride	ND		200	54	ug/L			10/01/19 00:44	200
Chlorobenzene	6100		200	150	ug/L			10/01/19 00:44	200
Bromochloromethane	ND		200	170	ug/L			10/01/19 00:44	200
Chlorodibromomethane	ND		200	64	ug/L			10/01/19 00:44	200
Chloroethane	ND		200	64	ug/L			10/01/19 00:44	200
Chloroform	ND		200	68	ug/L			10/01/19 00:44	200
Chloromethane	ND		200	70	ug/L			10/01/19 00:44	200
cis-1,2-Dichloroethene	11000		200	160	ug/L			10/01/19 00:44	200
Bromodichloromethane	ND		200	78	ug/L			10/01/19 00:44	200
Dichlorodifluoromethane	ND		200	140	ug/L			10/01/19 00:44	200
Ethylbenzene	ND		200	150	ug/L			10/01/19 00:44	200
1,2-Dibromoethane	ND		200	150	ug/L			10/01/19 00:44	200
Hexachlorobutadiene	ND		400	56	ug/L			10/01/19 00:44	200
Isopropylbenzene	ND		200	160	ug/L			10/01/19 00:44	200
Methyl tert-butyl ether	ND		200	32	ug/L			10/01/19 00:44	200
Methylene Chloride	110 J		200	88	ug/L			10/01/19 00:44	200
m-Xylene & p-Xylene	ND		400	130	ug/L			10/01/19 00:44	200
Naphthalene	ND		200	86	ug/L			10/01/19 00:44	200
n-Butylbenzene	ND		200	130	ug/L			10/01/19 00:44	200
N-Propylbenzene	ND		200	140	ug/L			10/01/19 00:44	200
o-Xylene	ND		200	150	ug/L			10/01/19 00:44	200
sec-Butylbenzene	ND		200	150	ug/L			10/01/19 00:44	200
Tetrachloroethene	940		200	72	ug/L			10/01/19 00:44	200
Toluene	ND		200	100	ug/L			10/01/19 00:44	200
trans-1,2-Dichloroethene	200		200	180	ug/L			10/01/19 00:44	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			10/01/19 00:44	200
Trichloroethene	2200		200	92	ug/L			10/01/19 00:44	200
Trichlorofluoromethane	ND		200	180	ug/L			10/01/19 00:44	200
Vinyl acetate	ND		1000	170	ug/L			10/01/19 00:44	200
Vinyl chloride	1100		200	180	ug/L			10/01/19 00:44	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			10/01/19 00:44	200
Styrene	ND		200	150	ug/L			10/01/19 00:44	200
tert-Butylbenzene	ND		200	160	ug/L			10/01/19 00:44	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		10/01/19 00:44	200
4-Bromofluorobenzene (Surr)	105		73 - 120		10/01/19 00:44	200
Toluene-d8 (Surr)	101		80 - 120		10/01/19 00:44	200
Dibromofluoromethane (Surr)	102		75 - 123		10/01/19 00:44	200

Client Sample ID: OW-113B

Lab Sample ID: 480-159830-13

Date Collected: 09/24/19 13:25

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		80	28	ug/L			09/29/19 02:42	80

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-113B

Lab Sample ID: 480-159830-13

Date Collected: 09/24/19 13:25

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		80	66	ug/L			09/29/19 02:42	80
1,1,2,2-Tetrachloroethane	360		80	17	ug/L			09/29/19 02:42	80
1,1,2-Trichloroethane	ND		80	18	ug/L			09/29/19 02:42	80
1,1-Dichloroethane	ND		80	30	ug/L			09/29/19 02:42	80
1,1-Dichloroethene	51 J		80	23	ug/L			09/29/19 02:42	80
1,1-Dichloropropene	ND		80	58	ug/L			09/29/19 02:42	80
1,2,3-Trichlorobenzene	370		80	33	ug/L			09/29/19 02:42	80
1,2,3-Trichloropropane	ND		80	71	ug/L			09/29/19 02:42	80
1,2,4-Trichlorobenzene	5200		80	33	ug/L			09/29/19 02:42	80
1,2,4-Trimethylbenzene	ND		80	60	ug/L			09/29/19 02:42	80
1,2-Dibromo-3-Chloropropane	ND		80	31	ug/L			09/29/19 02:42	80
1,2-Dichlorobenzene	6800		80	63	ug/L			09/29/19 02:42	80
1,2-Dichloroethane	ND		80	17	ug/L			09/29/19 02:42	80
1,2-Dichloropropane	ND		80	58	ug/L			09/29/19 02:42	80
1,3,5-Trimethylbenzene	ND		80	62	ug/L			09/29/19 02:42	80
1,3-Dichlorobenzene	1500		80	62	ug/L			09/29/19 02:42	80
1,3-Dichloropropane	ND		80	60	ug/L			09/29/19 02:42	80
1,4-Dichlorobenzene	5300		80	67	ug/L			09/29/19 02:42	80
2,2-Dichloropropane	ND		80	32	ug/L			09/29/19 02:42	80
2-Butanone (MEK)	ND		800	110	ug/L			09/29/19 02:42	80
2-Chloroethyl vinyl ether	ND		400	77	ug/L			09/29/19 02:42	80
o-Chlorotoluene	ND		80	69	ug/L			09/29/19 02:42	80
2-Hexanone	ND		400	99	ug/L			09/29/19 02:42	80
p-Chlorotoluene	ND		80	67	ug/L			09/29/19 02:42	80
p-Cymene	ND		80	25	ug/L			09/29/19 02:42	80
4-Methyl-2-pentanone (MIBK)	ND		400	170	ug/L			09/29/19 02:42	80
Acetone	ND		800	240	ug/L			09/29/19 02:42	80
Benzene	870		80	33	ug/L			09/29/19 02:42	80
Bromobenzene	ND		80	64	ug/L			09/29/19 02:42	80
Bromoform	ND		80	21	ug/L			09/29/19 02:42	80
Bromomethane	ND		80	55	ug/L			09/29/19 02:42	80
Carbon disulfide	ND		80	15	ug/L			09/29/19 02:42	80
Carbon tetrachloride	ND		80	22	ug/L			09/29/19 02:42	80
Chlorobenzene	6200		80	60	ug/L			09/29/19 02:42	80
Bromochloromethane	ND		80	70	ug/L			09/29/19 02:42	80
Chlorodibromomethane	ND		80	26	ug/L			09/29/19 02:42	80
Chloroethane	ND		80	26	ug/L			09/29/19 02:42	80
Chloroform	34 J		80	27	ug/L			09/29/19 02:42	80
Chloromethane	ND		80	28	ug/L			09/29/19 02:42	80
cis-1,2-Dichloroethene	11000 E		80	65	ug/L			09/29/19 02:42	80
Bromodichloromethane	ND		80	31	ug/L			09/29/19 02:42	80
Dichlorodifluoromethane	ND *		80	54	ug/L			09/29/19 02:42	80
Ethylbenzene	ND		80	59	ug/L			09/29/19 02:42	80
1,2-Dibromoethane	ND		80	58	ug/L			09/29/19 02:42	80
Hexachlorobutadiene	ND		160	22	ug/L			09/29/19 02:42	80
Isopropylbenzene	ND		80	63	ug/L			09/29/19 02:42	80
Methyl tert-butyl ether	ND		80	13	ug/L			09/29/19 02:42	80
Methylene Chloride	62 J		80	35	ug/L			09/29/19 02:42	80
m-Xylene & p-Xylene	ND		160	53	ug/L			09/29/19 02:42	80

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-113B

Lab Sample ID: 480-159830-13

Date Collected: 09/24/19 13:25

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		80	34	ug/L			09/29/19 02:42	80
n-Butylbenzene	ND		80	51	ug/L			09/29/19 02:42	80
N-Propylbenzene	ND		80	55	ug/L			09/29/19 02:42	80
o-Xylene	ND		80	61	ug/L			09/29/19 02:42	80
sec-Butylbenzene	ND		80	60	ug/L			09/29/19 02:42	80
Tetrachloroethene	950		80	29	ug/L			09/29/19 02:42	80
Toluene	ND		80	41	ug/L			09/29/19 02:42	80
trans-1,2-Dichloroethene	200		80	72	ug/L			09/29/19 02:42	80
trans-1,3-Dichloropropene	ND		80	30	ug/L			09/29/19 02:42	80
Trichloroethene	2300		80	37	ug/L			09/29/19 02:42	80
Trichlorofluoromethane	ND		80	70	ug/L			09/29/19 02:42	80
Vinyl acetate	ND		400	68	ug/L			09/29/19 02:42	80
Vinyl chloride	1200		80	72	ug/L			09/29/19 02:42	80
cis-1,3-Dichloropropene	ND		80	29	ug/L			09/29/19 02:42	80
Styrene	ND		80	58	ug/L			09/29/19 02:42	80
tert-Butylbenzene	ND		80	65	ug/L			09/29/19 02:42	80

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		09/29/19 02:42	80
4-Bromofluorobenzene (Surr)	101		73 - 120		09/29/19 02:42	80
Toluene-d8 (Surr)	98		80 - 120		09/29/19 02:42	80
Dibromofluoromethane (Surr)	105		75 - 123		09/29/19 02:42	80

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200	70	ug/L			10/01/19 01:08	200
1,1,1-Trichloroethane	ND		200	160	ug/L			10/01/19 01:08	200
1,1,2,2-Tetrachloroethane	330		200	42	ug/L			10/01/19 01:08	200
1,1,2-Trichloroethane	ND		200	46	ug/L			10/01/19 01:08	200
1,1-Dichloroethane	ND		200	76	ug/L			10/01/19 01:08	200
1,1-Dichloroethene	ND		200	58	ug/L			10/01/19 01:08	200
1,1-Dichloropropene	ND		200	140	ug/L			10/01/19 01:08	200
1,2,3-Trichlorobenzene	320		200	82	ug/L			10/01/19 01:08	200
1,2,3-Trichloropropane	ND		200	180	ug/L			10/01/19 01:08	200
1,2,4-Trichlorobenzene	4900		200	82	ug/L			10/01/19 01:08	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			10/01/19 01:08	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			10/01/19 01:08	200
1,2-Dichlorobenzene	6700		200	160	ug/L			10/01/19 01:08	200
1,2-Dichloroethane	ND		200	42	ug/L			10/01/19 01:08	200
1,2-Dichloropropane	ND		200	140	ug/L			10/01/19 01:08	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			10/01/19 01:08	200
1,3-Dichlorobenzene	1500		200	160	ug/L			10/01/19 01:08	200
1,3-Dichloropropane	ND		200	150	ug/L			10/01/19 01:08	200
1,4-Dichlorobenzene	5400		200	170	ug/L			10/01/19 01:08	200
2,2-Dichloropropane	ND		200	80	ug/L			10/01/19 01:08	200
2-Butanone (MEK)	ND		2000	260	ug/L			10/01/19 01:08	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			10/01/19 01:08	200
o-Chlorotoluene	ND		200	170	ug/L			10/01/19 01:08	200
2-Hexanone	ND		1000	250	ug/L			10/01/19 01:08	200
p-Chlorotoluene	ND		200	170	ug/L			10/01/19 01:08	200

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-113B

Lab Sample ID: 480-159830-13

Date Collected: 09/24/19 13:25

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Cymene	ND		200	62	ug/L			10/01/19 01:08	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			10/01/19 01:08	200
Acetone	ND		2000	600	ug/L			10/01/19 01:08	200
Benzene	800		200	82	ug/L			10/01/19 01:08	200
Bromobenzene	ND		200	160	ug/L			10/01/19 01:08	200
Bromoform	ND		200	52	ug/L			10/01/19 01:08	200
Bromomethane	ND		200	140	ug/L			10/01/19 01:08	200
Carbon disulfide	ND		200	38	ug/L			10/01/19 01:08	200
Carbon tetrachloride	ND		200	54	ug/L			10/01/19 01:08	200
Chlorobenzene	6000		200	150	ug/L			10/01/19 01:08	200
Bromochloromethane	ND		200	170	ug/L			10/01/19 01:08	200
Chlorodibromomethane	ND		200	64	ug/L			10/01/19 01:08	200
Chloroethane	ND		200	64	ug/L			10/01/19 01:08	200
Chloroform	ND		200	68	ug/L			10/01/19 01:08	200
Chloromethane	ND		200	70	ug/L			10/01/19 01:08	200
cis-1,2-Dichloroethene	10000		200	160	ug/L			10/01/19 01:08	200
Bromodichloromethane	ND		200	78	ug/L			10/01/19 01:08	200
Dichlorodifluoromethane	ND		200	140	ug/L			10/01/19 01:08	200
Ethylbenzene	ND		200	150	ug/L			10/01/19 01:08	200
1,2-Dibromoethane	ND		200	150	ug/L			10/01/19 01:08	200
Hexachlorobutadiene	ND		400	56	ug/L			10/01/19 01:08	200
Isopropylbenzene	ND		200	160	ug/L			10/01/19 01:08	200
Methyl tert-butyl ether	ND		200	32	ug/L			10/01/19 01:08	200
Methylene Chloride	170 J		200	88	ug/L			10/01/19 01:08	200
m-Xylene & p-Xylene	ND		400	130	ug/L			10/01/19 01:08	200
Naphthalene	ND		200	86	ug/L			10/01/19 01:08	200
n-Butylbenzene	ND		200	130	ug/L			10/01/19 01:08	200
N-Propylbenzene	ND		200	140	ug/L			10/01/19 01:08	200
o-Xylene	ND		200	150	ug/L			10/01/19 01:08	200
sec-Butylbenzene	ND		200	150	ug/L			10/01/19 01:08	200
Tetrachloroethene	920		200	72	ug/L			10/01/19 01:08	200
Toluene	ND		200	100	ug/L			10/01/19 01:08	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			10/01/19 01:08	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			10/01/19 01:08	200
Trichloroethene	2200		200	92	ug/L			10/01/19 01:08	200
Trichlorofluoromethane	ND		200	180	ug/L			10/01/19 01:08	200
Vinyl acetate	ND		1000	170	ug/L			10/01/19 01:08	200
Vinyl chloride	1100		200	180	ug/L			10/01/19 01:08	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			10/01/19 01:08	200
Styrene	ND		200	150	ug/L			10/01/19 01:08	200
tert-Butylbenzene	ND		200	160	ug/L			10/01/19 01:08	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		10/01/19 01:08	200
4-Bromofluorobenzene (Surr)	105		73 - 120		10/01/19 01:08	200
Toluene-d8 (Surr)	98		80 - 120		10/01/19 01:08	200
Dibromofluoromethane (Surr)	101		75 - 123		10/01/19 01:08	200

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-18A

Lab Sample ID: 480-159830-14

Date Collected: 09/24/19 09:15

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200	70	ug/L			09/29/19 03:06	200
1,1,1-Trichloroethane	ND		200	160	ug/L			09/29/19 03:06	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			09/29/19 03:06	200
1,1,2-Trichloroethane	ND		200	46	ug/L			09/29/19 03:06	200
1,1-Dichloroethane	ND		200	76	ug/L			09/29/19 03:06	200
1,1-Dichloroethene	ND		200	58	ug/L			09/29/19 03:06	200
1,1-Dichloropropene	ND		200	140	ug/L			09/29/19 03:06	200
1,2,3-Trichlorobenzene	110	J	200	82	ug/L			09/29/19 03:06	200
1,2,3-Trichloropropane	ND		200	180	ug/L			09/29/19 03:06	200
1,2,4-Trichlorobenzene	340		200	82	ug/L			09/29/19 03:06	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			09/29/19 03:06	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			09/29/19 03:06	200
1,2-Dichlorobenzene	9400		200	160	ug/L			09/29/19 03:06	200
1,2-Dichloroethane	ND		200	42	ug/L			09/29/19 03:06	200
1,2-Dichloropropane	ND		200	140	ug/L			09/29/19 03:06	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			09/29/19 03:06	200
1,3-Dichlorobenzene	1600		200	160	ug/L			09/29/19 03:06	200
1,3-Dichloropropane	ND		200	150	ug/L			09/29/19 03:06	200
1,4-Dichlorobenzene	15000		200	170	ug/L			09/29/19 03:06	200
2,2-Dichloropropane	ND		200	80	ug/L			09/29/19 03:06	200
2-Butanone (MEK)	ND		2000	260	ug/L			09/29/19 03:06	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			09/29/19 03:06	200
o-Chlorotoluene	ND		200	170	ug/L			09/29/19 03:06	200
2-Hexanone	ND		1000	250	ug/L			09/29/19 03:06	200
p-Chlorotoluene	ND		200	170	ug/L			09/29/19 03:06	200
p-Cymene	ND		200	62	ug/L			09/29/19 03:06	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			09/29/19 03:06	200
Acetone	ND		2000	600	ug/L			09/29/19 03:06	200
Benzene	630		200	82	ug/L			09/29/19 03:06	200
Bromobenzene	ND		200	160	ug/L			09/29/19 03:06	200
Bromoform	ND		200	52	ug/L			09/29/19 03:06	200
Bromomethane	ND		200	140	ug/L			09/29/19 03:06	200
Carbon disulfide	ND		200	38	ug/L			09/29/19 03:06	200
Carbon tetrachloride	ND		200	54	ug/L			09/29/19 03:06	200
Chlorobenzene	12000	F1	200	150	ug/L			09/29/19 03:06	200
Bromochloromethane	ND		200	170	ug/L			09/29/19 03:06	200
Chlorodibromomethane	ND		200	64	ug/L			09/29/19 03:06	200
Chloroethane	ND		200	64	ug/L			09/29/19 03:06	200
Chloroform	ND		200	68	ug/L			09/29/19 03:06	200
Chloromethane	ND		200	70	ug/L			09/29/19 03:06	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			09/29/19 03:06	200
Bromodichloromethane	ND		200	78	ug/L			09/29/19 03:06	200
Dichlorodifluoromethane	ND	* F1	200	140	ug/L			09/29/19 03:06	200
Ethylbenzene	ND		200	150	ug/L			09/29/19 03:06	200
1,2-Dibromoethane	ND		200	150	ug/L			09/29/19 03:06	200
Hexachlorobutadiene	ND		400	56	ug/L			09/29/19 03:06	200
Isopropylbenzene	ND		200	160	ug/L			09/29/19 03:06	200
Methyl tert-butyl ether	ND		200	32	ug/L			09/29/19 03:06	200
Methylene Chloride	190	J	200	88	ug/L			09/29/19 03:06	200

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-18A

Lab Sample ID: 480-159830-14

Date Collected: 09/24/19 09:15

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		400	130	ug/L			09/29/19 03:06	200
Naphthalene	ND		200	86	ug/L			09/29/19 03:06	200
n-Butylbenzene	ND		200	130	ug/L			09/29/19 03:06	200
N-Propylbenzene	ND		200	140	ug/L			09/29/19 03:06	200
o-Xylene	ND		200	150	ug/L			09/29/19 03:06	200
sec-Butylbenzene	ND		200	150	ug/L			09/29/19 03:06	200
Tetrachloroethene	ND		200	72	ug/L			09/29/19 03:06	200
Toluene	ND		200	100	ug/L			09/29/19 03:06	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			09/29/19 03:06	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			09/29/19 03:06	200
Trichloroethene	ND		200	92	ug/L			09/29/19 03:06	200
Trichlorofluoromethane	ND		200	180	ug/L			09/29/19 03:06	200
Vinyl acetate	ND		1000	170	ug/L			09/29/19 03:06	200
Vinyl chloride	ND		200	180	ug/L			09/29/19 03:06	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			09/29/19 03:06	200
Styrene	ND		200	150	ug/L			09/29/19 03:06	200
tert-Butylbenzene	ND		200	160	ug/L			09/29/19 03:06	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		09/29/19 03:06	200
4-Bromofluorobenzene (Surr)	102		73 - 120		09/29/19 03:06	200
Toluene-d8 (Surr)	98		80 - 120		09/29/19 03:06	200
Dibromofluoromethane (Surr)	99		75 - 123		09/29/19 03:06	200

Client Sample ID: OW-29B

Lab Sample ID: 480-159830-15

Date Collected: 09/24/19 15:00

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		40	14	ug/L			09/29/19 03:30	40
1,1,1-Trichloroethane	ND		40	33	ug/L			09/29/19 03:30	40
1,1,2,2-Tetrachloroethane	540		40	8.4	ug/L			09/29/19 03:30	40
1,1,2-Trichloroethane	21	J	40	9.2	ug/L			09/29/19 03:30	40
1,1-Dichloroethane	ND		40	15	ug/L			09/29/19 03:30	40
1,1-Dichloroethene	55		40	12	ug/L			09/29/19 03:30	40
1,1-Dichloropropene	ND		40	29	ug/L			09/29/19 03:30	40
1,2,3-Trichlorobenzene	260		40	16	ug/L			09/29/19 03:30	40
1,2,3-Trichloropropane	ND		40	36	ug/L			09/29/19 03:30	40
1,2,4-Trichlorobenzene	2600		40	16	ug/L			09/29/19 03:30	40
1,2,4-Trimethylbenzene	ND		40	30	ug/L			09/29/19 03:30	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			09/29/19 03:30	40
1,2-Dichlorobenzene	3800		40	32	ug/L			09/29/19 03:30	40
1,2-Dichloroethane	ND		40	8.4	ug/L			09/29/19 03:30	40
1,2-Dichloropropane	ND		40	29	ug/L			09/29/19 03:30	40
1,3,5-Trimethylbenzene	ND		40	31	ug/L			09/29/19 03:30	40
1,3-Dichlorobenzene	1100		40	31	ug/L			09/29/19 03:30	40
1,3-Dichloropropane	ND		40	30	ug/L			09/29/19 03:30	40
1,4-Dichlorobenzene	2900		40	34	ug/L			09/29/19 03:30	40
2,2-Dichloropropane	ND		40	16	ug/L			09/29/19 03:30	40

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-29B

Lab Sample ID: 480-159830-15

Date Collected: 09/24/19 15:00

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		400	53	ug/L			09/29/19 03:30	40
2-Chloroethyl vinyl ether	ND		200	38	ug/L			09/29/19 03:30	40
o-Chlorotoluene	ND		40	34	ug/L			09/29/19 03:30	40
2-Hexanone	ND		200	50	ug/L			09/29/19 03:30	40
p-Chlorotoluene	ND		40	34	ug/L			09/29/19 03:30	40
p-Cymene	ND		40	12	ug/L			09/29/19 03:30	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			09/29/19 03:30	40
Acetone	ND		400	120	ug/L			09/29/19 03:30	40
Benzene	430		40	16	ug/L			09/29/19 03:30	40
Bromobenzene	ND		40	32	ug/L			09/29/19 03:30	40
Bromoform	ND		40	10	ug/L			09/29/19 03:30	40
Bromomethane	ND		40	28	ug/L			09/29/19 03:30	40
Carbon disulfide	ND		40	7.6	ug/L			09/29/19 03:30	40
Carbon tetrachloride	ND		40	11	ug/L			09/29/19 03:30	40
Chlorobenzene	3200		40	30	ug/L			09/29/19 03:30	40
Bromochloromethane	ND		40	35	ug/L			09/29/19 03:30	40
Chlorodibromomethane	ND		40	13	ug/L			09/29/19 03:30	40
Chloroethane	ND		40	13	ug/L			09/29/19 03:30	40
Chloroform	36 J		40	14	ug/L			09/29/19 03:30	40
Chloromethane	ND		40	14	ug/L			09/29/19 03:30	40
cis-1,2-Dichloroethene	14000 E		40	32	ug/L			09/29/19 03:30	40
Bromodichloromethane	ND		40	16	ug/L			09/29/19 03:30	40
Dichlorodifluoromethane	ND *		40	27	ug/L			09/29/19 03:30	40
Ethylbenzene	ND		40	30	ug/L			09/29/19 03:30	40
1,2-Dibromoethane	ND		40	29	ug/L			09/29/19 03:30	40
Hexachlorobutadiene	ND		80	11	ug/L			09/29/19 03:30	40
Isopropylbenzene	ND		40	32	ug/L			09/29/19 03:30	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			09/29/19 03:30	40
Methylene Chloride	44		40	18	ug/L			09/29/19 03:30	40
m-Xylene & p-Xylene	ND		80	26	ug/L			09/29/19 03:30	40
Naphthalene	ND		40	17	ug/L			09/29/19 03:30	40
n-Butylbenzene	ND		40	26	ug/L			09/29/19 03:30	40
N-Propylbenzene	ND		40	28	ug/L			09/29/19 03:30	40
o-Xylene	ND		40	30	ug/L			09/29/19 03:30	40
sec-Butylbenzene	ND		40	30	ug/L			09/29/19 03:30	40
Tetrachloroethene	2900		40	14	ug/L			09/29/19 03:30	40
Toluene	ND		40	20	ug/L			09/29/19 03:30	40
trans-1,2-Dichloroethene	290		40	36	ug/L			09/29/19 03:30	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			09/29/19 03:30	40
Trichloroethene	5500 E		40	18	ug/L			09/29/19 03:30	40
Trichlorofluoromethane	ND		40	35	ug/L			09/29/19 03:30	40
Vinyl acetate	ND		200	34	ug/L			09/29/19 03:30	40
Vinyl chloride	1500		40	36	ug/L			09/29/19 03:30	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			09/29/19 03:30	40
Styrene	ND		40	29	ug/L			09/29/19 03:30	40
tert-Butylbenzene	ND		40	32	ug/L			09/29/19 03:30	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		09/29/19 03:30	40
4-Bromofluorobenzene (Surr)	103		73 - 120		09/29/19 03:30	40

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-29B

Lab Sample ID: 480-159830-15

Date Collected: 09/24/19 15:00

Matrix: Water

Date Received: 09/26/19 12:15

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		09/29/19 03:30	40
Dibromofluoromethane (Surr)	100		75 - 123		09/29/19 03:30	40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		400	140	ug/L			10/01/19 01:32	400
1,1,1-Trichloroethane	ND		400	330	ug/L			10/01/19 01:32	400
1,1,2,2-Tetrachloroethane	430		400	84	ug/L			10/01/19 01:32	400
1,1,2-Trichloroethane	ND		400	92	ug/L			10/01/19 01:32	400
1,1-Dichloroethane	ND		400	150	ug/L			10/01/19 01:32	400
1,1-Dichloroethene	ND		400	120	ug/L			10/01/19 01:32	400
1,1-Dichloropropene	ND		400	290	ug/L			10/01/19 01:32	400
1,2,3-Trichlorobenzene	180 J		400	160	ug/L			10/01/19 01:32	400
1,2,3-Trichloropropane	ND		400	360	ug/L			10/01/19 01:32	400
1,2,4-Trichlorobenzene	1900		400	160	ug/L			10/01/19 01:32	400
1,2,4-Trimethylbenzene	ND		400	300	ug/L			10/01/19 01:32	400
1,2-Dibromo-3-Chloropropane	ND		400	160	ug/L			10/01/19 01:32	400
1,2-Dichlorobenzene	3000		400	320	ug/L			10/01/19 01:32	400
1,2-Dichloroethane	ND		400	84	ug/L			10/01/19 01:32	400
1,2-Dichloropropane	ND		400	290	ug/L			10/01/19 01:32	400
1,3,5-Trimethylbenzene	ND		400	310	ug/L			10/01/19 01:32	400
1,3-Dichlorobenzene	880		400	310	ug/L			10/01/19 01:32	400
1,3-Dichloropropane	ND		400	300	ug/L			10/01/19 01:32	400
1,4-Dichlorobenzene	2200		400	340	ug/L			10/01/19 01:32	400
2,2-Dichloropropane	ND		400	160	ug/L			10/01/19 01:32	400
2-Butanone (MEK)	ND		4000	530	ug/L			10/01/19 01:32	400
2-Chloroethyl vinyl ether	ND		2000	380	ug/L			10/01/19 01:32	400
o-Chlorotoluene	ND		400	340	ug/L			10/01/19 01:32	400
2-Hexanone	ND		2000	500	ug/L			10/01/19 01:32	400
p-Chlorotoluene	ND		400	340	ug/L			10/01/19 01:32	400
p-Cymene	ND		400	120	ug/L			10/01/19 01:32	400
4-Methyl-2-pentanone (MIBK)	ND		2000	840	ug/L			10/01/19 01:32	400
Acetone	ND		4000	1200	ug/L			10/01/19 01:32	400
Benzene	360 J		400	160	ug/L			10/01/19 01:32	400
Bromobenzene	ND		400	320	ug/L			10/01/19 01:32	400
Bromoform	ND		400	100	ug/L			10/01/19 01:32	400
Bromomethane	ND		400	280	ug/L			10/01/19 01:32	400
Carbon disulfide	ND		400	76	ug/L			10/01/19 01:32	400
Carbon tetrachloride	ND		400	110	ug/L			10/01/19 01:32	400
Chlorobenzene	2500		400	300	ug/L			10/01/19 01:32	400
Bromochloromethane	ND		400	350	ug/L			10/01/19 01:32	400
Chlorodibromomethane	ND		400	130	ug/L			10/01/19 01:32	400
Chloroethane	ND		400	130	ug/L			10/01/19 01:32	400
Chloroform	ND		400	140	ug/L			10/01/19 01:32	400
Chloromethane	ND		400	140	ug/L			10/01/19 01:32	400
cis-1,2-Dichloroethene	10000		400	320	ug/L			10/01/19 01:32	400
Bromodichloromethane	ND		400	160	ug/L			10/01/19 01:32	400
Dichlorodifluoromethane	ND		400	270	ug/L			10/01/19 01:32	400
Ethylbenzene	ND		400	300	ug/L			10/01/19 01:32	400

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-29B

Lab Sample ID: 480-159830-15

Date Collected: 09/24/19 15:00

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		400	290	ug/L			10/01/19 01:32	400
Hexachlorobutadiene	ND		800	110	ug/L			10/01/19 01:32	400
Isopropylbenzene	ND		400	320	ug/L			10/01/19 01:32	400
Methyl tert-butyl ether	ND		400	64	ug/L			10/01/19 01:32	400
Methylene Chloride	310	J	400	180	ug/L			10/01/19 01:32	400
m-Xylene & p-Xylene	ND		800	260	ug/L			10/01/19 01:32	400
Naphthalene	ND		400	170	ug/L			10/01/19 01:32	400
n-Butylbenzene	ND		400	260	ug/L			10/01/19 01:32	400
N-Propylbenzene	ND		400	280	ug/L			10/01/19 01:32	400
o-Xylene	ND		400	300	ug/L			10/01/19 01:32	400
sec-Butylbenzene	ND		400	300	ug/L			10/01/19 01:32	400
Tetrachloroethene	2200		400	140	ug/L			10/01/19 01:32	400
Toluene	ND		400	200	ug/L			10/01/19 01:32	400
trans-1,2-Dichloroethene	ND		400	360	ug/L			10/01/19 01:32	400
trans-1,3-Dichloropropene	ND		400	150	ug/L			10/01/19 01:32	400
Trichloroethene	4100		400	180	ug/L			10/01/19 01:32	400
Trichlorofluoromethane	ND		400	350	ug/L			10/01/19 01:32	400
Vinyl acetate	ND		2000	340	ug/L			10/01/19 01:32	400
Vinyl chloride	1100		400	360	ug/L			10/01/19 01:32	400
cis-1,3-Dichloropropene	ND		400	140	ug/L			10/01/19 01:32	400
Styrene	ND		400	290	ug/L			10/01/19 01:32	400
tert-Butylbenzene	ND		400	320	ug/L			10/01/19 01:32	400

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		10/01/19 01:32	400
4-Bromofluorobenzene (Surr)	105		73 - 120		10/01/19 01:32	400
Toluene-d8 (Surr)	99		80 - 120		10/01/19 01:32	400
Dibromofluoromethane (Surr)	100		75 - 123		10/01/19 01:32	400

Client Sample ID: OW-15A

Lab Sample ID: 480-159830-16

Date Collected: 09/24/19 14:40

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10	3.5	ug/L			09/29/19 03:54	10
1,1,1-Trichloroethane	ND		10	8.2	ug/L			09/29/19 03:54	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			09/29/19 03:54	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			09/29/19 03:54	10
1,1-Dichloroethane	ND		10	3.8	ug/L			09/29/19 03:54	10
1,1-Dichloroethene	ND		10	2.9	ug/L			09/29/19 03:54	10
1,1-Dichloropropene	ND		10	7.2	ug/L			09/29/19 03:54	10
1,2,3-Trichlorobenzene	ND		10	4.1	ug/L			09/29/19 03:54	10
1,2,3-Trichloropropane	ND		10	8.9	ug/L			09/29/19 03:54	10
1,2,4-Trichlorobenzene	39		10	4.1	ug/L			09/29/19 03:54	10
1,2,4-Trimethylbenzene	ND		10	7.5	ug/L			09/29/19 03:54	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			09/29/19 03:54	10
1,2-Dichlorobenzene	370		10	7.9	ug/L			09/29/19 03:54	10
1,2-Dichloroethane	ND		10	2.1	ug/L			09/29/19 03:54	10
1,2-Dichloropropane	ND		10	7.2	ug/L			09/29/19 03:54	10

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-15A

Lab Sample ID: 480-159830-16

Date Collected: 09/24/19 14:40

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		10	7.7	ug/L			09/29/19 03:54	10
1,3-Dichlorobenzene	200		10	7.8	ug/L			09/29/19 03:54	10
1,3-Dichloropropane	ND		10	7.5	ug/L			09/29/19 03:54	10
1,4-Dichlorobenzene	160		10	8.4	ug/L			09/29/19 03:54	10
2,2-Dichloropropane	ND		10	4.0	ug/L			09/29/19 03:54	10
2-Butanone (MEK)	ND		100	13	ug/L			09/29/19 03:54	10
2-Chloroethyl vinyl ether	ND		50	9.6	ug/L			09/29/19 03:54	10
o-Chlorotoluene	ND		10	8.6	ug/L			09/29/19 03:54	10
2-Hexanone	ND		50	12	ug/L			09/29/19 03:54	10
p-Chlorotoluene	ND		10	8.4	ug/L			09/29/19 03:54	10
p-Cymene	ND		10	3.1	ug/L			09/29/19 03:54	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			09/29/19 03:54	10
Acetone	ND		100	30	ug/L			09/29/19 03:54	10
Benzene	ND		10	4.1	ug/L			09/29/19 03:54	10
Bromobenzene	ND		10	8.0	ug/L			09/29/19 03:54	10
Bromoform	ND		10	2.6	ug/L			09/29/19 03:54	10
Bromomethane	ND		10	6.9	ug/L			09/29/19 03:54	10
Carbon disulfide	ND		10	1.9	ug/L			09/29/19 03:54	10
Carbon tetrachloride	ND		10	2.7	ug/L			09/29/19 03:54	10
Chlorobenzene	260		10	7.5	ug/L			09/29/19 03:54	10
Bromochloromethane	ND		10	8.7	ug/L			09/29/19 03:54	10
Chlorodibromomethane	ND		10	3.2	ug/L			09/29/19 03:54	10
Chloroethane	ND		10	3.2	ug/L			09/29/19 03:54	10
Chloroform	ND		10	3.4	ug/L			09/29/19 03:54	10
Chloromethane	ND		10	3.5	ug/L			09/29/19 03:54	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			09/29/19 03:54	10
Bromodichloromethane	ND		10	3.9	ug/L			09/29/19 03:54	10
Dichlorodifluoromethane	ND *		10	6.8	ug/L			09/29/19 03:54	10
Ethylbenzene	ND		10	7.4	ug/L			09/29/19 03:54	10
1,2-Dibromoethane	ND		10	7.3	ug/L			09/29/19 03:54	10
Hexachlorobutadiene	ND		20	2.8	ug/L			09/29/19 03:54	10
Isopropylbenzene	ND		10	7.9	ug/L			09/29/19 03:54	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			09/29/19 03:54	10
Methylene Chloride	12		10	4.4	ug/L			09/29/19 03:54	10
m-Xylene & p-Xylene	ND		20	6.6	ug/L			09/29/19 03:54	10
Naphthalene	ND		10	4.3	ug/L			09/29/19 03:54	10
n-Butylbenzene	ND		10	6.4	ug/L			09/29/19 03:54	10
N-Propylbenzene	ND		10	6.9	ug/L			09/29/19 03:54	10
o-Xylene	ND		10	7.6	ug/L			09/29/19 03:54	10
sec-Butylbenzene	ND		10	7.5	ug/L			09/29/19 03:54	10
Tetrachloroethene	ND		10	3.6	ug/L			09/29/19 03:54	10
Toluene	ND		10	5.1	ug/L			09/29/19 03:54	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			09/29/19 03:54	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			09/29/19 03:54	10
Trichloroethene	ND		10	4.6	ug/L			09/29/19 03:54	10
Trichlorofluoromethane	ND		10	8.8	ug/L			09/29/19 03:54	10
Vinyl acetate	ND		50	8.5	ug/L			09/29/19 03:54	10
Vinyl chloride	ND		10	9.0	ug/L			09/29/19 03:54	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			09/29/19 03:54	10

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-15A

Lab Sample ID: 480-159830-16

Date Collected: 09/24/19 14:40

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		10	7.3	ug/L			09/29/19 03:54	10
tert-Butylbenzene	ND		10	8.1	ug/L			09/29/19 03:54	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120					09/29/19 03:54	10
4-Bromofluorobenzene (Surr)	103		73 - 120					09/29/19 03:54	10
Toluene-d8 (Surr)	99		80 - 120					09/29/19 03:54	10
Dibromofluoromethane (Surr)	102		75 - 123					09/29/19 03:54	10

Client Sample ID: OW-28B

Lab Sample ID: 480-159830-17

Date Collected: 09/24/19 14:50

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10	3.5	ug/L			09/29/19 04:18	10
1,1,1-Trichloroethane	ND		10	8.2	ug/L			09/29/19 04:18	10
1,1,2,2-Tetrachloroethane	210		10	2.1	ug/L			09/29/19 04:18	10
1,1,2-Trichloroethane	9.2	J	10	2.3	ug/L			09/29/19 04:18	10
1,1-Dichloroethane	3.8	J	10	3.8	ug/L			09/29/19 04:18	10
1,1-Dichloroethene	11		10	2.9	ug/L			09/29/19 04:18	10
1,1-Dichloropropene	ND		10	7.2	ug/L			09/29/19 04:18	10
1,2,3-Trichlorobenzene	11		10	4.1	ug/L			09/29/19 04:18	10
1,2,3-Trichloropropane	ND		10	8.9	ug/L			09/29/19 04:18	10
1,2,4-Trichlorobenzene	54		10	4.1	ug/L			09/29/19 04:18	10
1,2,4-Trimethylbenzene	ND		10	7.5	ug/L			09/29/19 04:18	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			09/29/19 04:18	10
1,2-Dichlorobenzene	64		10	7.9	ug/L			09/29/19 04:18	10
1,2-Dichloroethane	ND		10	2.1	ug/L			09/29/19 04:18	10
1,2-Dichloropropane	ND		10	7.2	ug/L			09/29/19 04:18	10
1,3,5-Trimethylbenzene	ND		10	7.7	ug/L			09/29/19 04:18	10
1,3-Dichlorobenzene	66		10	7.8	ug/L			09/29/19 04:18	10
1,3-Dichloropropane	ND		10	7.5	ug/L			09/29/19 04:18	10
1,4-Dichlorobenzene	96		10	8.4	ug/L			09/29/19 04:18	10
2,2-Dichloropropane	ND		10	4.0	ug/L			09/29/19 04:18	10
2-Butanone (MEK)	ND		100	13	ug/L			09/29/19 04:18	10
2-Chloroethyl vinyl ether	ND		50	9.6	ug/L			09/29/19 04:18	10
o-Chlorotoluene	ND		10	8.6	ug/L			09/29/19 04:18	10
2-Hexanone	ND		50	12	ug/L			09/29/19 04:18	10
p-Chlorotoluene	ND		10	8.4	ug/L			09/29/19 04:18	10
p-Cymene	ND		10	3.1	ug/L			09/29/19 04:18	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			09/29/19 04:18	10
Acetone	ND		100	30	ug/L			09/29/19 04:18	10
Benzene	16		10	4.1	ug/L			09/29/19 04:18	10
Bromobenzene	ND		10	8.0	ug/L			09/29/19 04:18	10
Bromoform	ND		10	2.6	ug/L			09/29/19 04:18	10
Bromomethane	ND		10	6.9	ug/L			09/29/19 04:18	10
Carbon disulfide	ND		10	1.9	ug/L			09/29/19 04:18	10
Carbon tetrachloride	ND		10	2.7	ug/L			09/29/19 04:18	10
Chlorobenzene	100		10	7.5	ug/L			09/29/19 04:18	10

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-28B

Lab Sample ID: 480-159830-17

Date Collected: 09/24/19 14:50

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	ND		10	8.7	ug/L			09/29/19 04:18	10
Chlorodibromomethane	ND		10	3.2	ug/L			09/29/19 04:18	10
Chloroethane	ND		10	3.2	ug/L			09/29/19 04:18	10
Chloroform	4.2	J	10	3.4	ug/L			09/29/19 04:18	10
Chloromethane	ND		10	3.5	ug/L			09/29/19 04:18	10
cis-1,2-Dichloroethene	2500	E	10	8.1	ug/L			09/29/19 04:18	10
Bromodichloromethane	ND		10	3.9	ug/L			09/29/19 04:18	10
Dichlorodifluoromethane	ND	*	10	6.8	ug/L			09/29/19 04:18	10
Ethylbenzene	ND		10	7.4	ug/L			09/29/19 04:18	10
1,2-Dibromoethane	ND		10	7.3	ug/L			09/29/19 04:18	10
Hexachlorobutadiene	ND		20	2.8	ug/L			09/29/19 04:18	10
Isopropylbenzene	ND		10	7.9	ug/L			09/29/19 04:18	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			09/29/19 04:18	10
Methylene Chloride	11		10	4.4	ug/L			09/29/19 04:18	10
m-Xylene & p-Xylene	ND		20	6.6	ug/L			09/29/19 04:18	10
Naphthalene	ND		10	4.3	ug/L			09/29/19 04:18	10
n-Butylbenzene	ND		10	6.4	ug/L			09/29/19 04:18	10
N-Propylbenzene	ND		10	6.9	ug/L			09/29/19 04:18	10
o-Xylene	ND		10	7.6	ug/L			09/29/19 04:18	10
sec-Butylbenzene	ND		10	7.5	ug/L			09/29/19 04:18	10
Tetrachloroethene	1500	E	10	3.6	ug/L			09/29/19 04:18	10
Toluene	ND		10	5.1	ug/L			09/29/19 04:18	10
trans-1,2-Dichloroethene	52		10	9.0	ug/L			09/29/19 04:18	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			09/29/19 04:18	10
Trichloroethene	2500	E	10	4.6	ug/L			09/29/19 04:18	10
Trichlorofluoromethane	ND		10	8.8	ug/L			09/29/19 04:18	10
Vinyl acetate	ND		50	8.5	ug/L			09/29/19 04:18	10
Vinyl chloride	210		10	9.0	ug/L			09/29/19 04:18	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			09/29/19 04:18	10
Styrene	ND		10	7.3	ug/L			09/29/19 04:18	10
tert-Butylbenzene	ND		10	8.1	ug/L			09/29/19 04:18	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		09/29/19 04:18	10
4-Bromofluorobenzene (Surr)	105		73 - 120		09/29/19 04:18	10
Toluene-d8 (Surr)	100		80 - 120		09/29/19 04:18	10
Dibromofluoromethane (Surr)	98		75 - 123		09/29/19 04:18	10

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		50	18	ug/L			10/01/19 01:56	50
1,1,1-Trichloroethane	ND		50	41	ug/L			10/01/19 01:56	50
1,1,2,2-Tetrachloroethane	190		50	11	ug/L			10/01/19 01:56	50
1,1,2-Trichloroethane	ND		50	12	ug/L			10/01/19 01:56	50
1,1-Dichloroethane	ND		50	19	ug/L			10/01/19 01:56	50
1,1-Dichloroethene	ND		50	15	ug/L			10/01/19 01:56	50
1,1-Dichloropropene	ND		50	36	ug/L			10/01/19 01:56	50
1,2,3-Trichlorobenzene	ND		50	21	ug/L			10/01/19 01:56	50
1,2,3-Trichloropropane	ND		50	45	ug/L			10/01/19 01:56	50
1,2,4-Trichlorobenzene	60		50	21	ug/L			10/01/19 01:56	50

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-28B

Lab Sample ID: 480-159830-17

Date Collected: 09/24/19 14:50

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		50	38	ug/L			10/01/19 01:56	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			10/01/19 01:56	50
1,2-Dichlorobenzene	71		50	40	ug/L			10/01/19 01:56	50
1,2-Dichloroethane	ND		50	11	ug/L			10/01/19 01:56	50
1,2-Dichloropropane	ND		50	36	ug/L			10/01/19 01:56	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			10/01/19 01:56	50
1,3-Dichlorobenzene	68		50	39	ug/L			10/01/19 01:56	50
1,3-Dichloropropane	ND		50	38	ug/L			10/01/19 01:56	50
1,4-Dichlorobenzene	100		50	42	ug/L			10/01/19 01:56	50
2,2-Dichloropropane	ND		50	20	ug/L			10/01/19 01:56	50
2-Butanone (MEK)	ND		500	66	ug/L			10/01/19 01:56	50
2-Chloroethyl vinyl ether	ND		250	48	ug/L			10/01/19 01:56	50
o-Chlorotoluene	ND		50	43	ug/L			10/01/19 01:56	50
2-Hexanone	ND		250	62	ug/L			10/01/19 01:56	50
p-Chlorotoluene	ND		50	42	ug/L			10/01/19 01:56	50
p-Cymene	ND		50	16	ug/L			10/01/19 01:56	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			10/01/19 01:56	50
Acetone	ND		500	150	ug/L			10/01/19 01:56	50
Benzene	ND		50	21	ug/L			10/01/19 01:56	50
Bromobenzene	ND		50	40	ug/L			10/01/19 01:56	50
Bromoform	ND		50	13	ug/L			10/01/19 01:56	50
Bromomethane	ND		50	35	ug/L			10/01/19 01:56	50
Carbon disulfide	ND		50	9.5	ug/L			10/01/19 01:56	50
Carbon tetrachloride	ND		50	14	ug/L			10/01/19 01:56	50
Chlorobenzene	110		50	38	ug/L			10/01/19 01:56	50
Bromochloromethane	ND		50	44	ug/L			10/01/19 01:56	50
Chlorodibromomethane	ND		50	16	ug/L			10/01/19 01:56	50
Chloroethane	ND		50	16	ug/L			10/01/19 01:56	50
Chloroform	ND		50	17	ug/L			10/01/19 01:56	50
Chloromethane	ND		50	18	ug/L			10/01/19 01:56	50
cis-1,2-Dichloroethene	2500		50	41	ug/L			10/01/19 01:56	50
Bromodichloromethane	ND		50	20	ug/L			10/01/19 01:56	50
Dichlorodifluoromethane	ND		50	34	ug/L			10/01/19 01:56	50
Ethylbenzene	ND		50	37	ug/L			10/01/19 01:56	50
1,2-Dibromoethane	ND		50	37	ug/L			10/01/19 01:56	50
Hexachlorobutadiene	ND		100	14	ug/L			10/01/19 01:56	50
Isopropylbenzene	ND		50	40	ug/L			10/01/19 01:56	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			10/01/19 01:56	50
Methylene Chloride	31 J		50	22	ug/L			10/01/19 01:56	50
m-Xylene & p-Xylene	ND		100	33	ug/L			10/01/19 01:56	50
Naphthalene	ND		50	22	ug/L			10/01/19 01:56	50
n-Butylbenzene	ND		50	32	ug/L			10/01/19 01:56	50
N-Propylbenzene	ND		50	35	ug/L			10/01/19 01:56	50
o-Xylene	ND		50	38	ug/L			10/01/19 01:56	50
sec-Butylbenzene	ND		50	38	ug/L			10/01/19 01:56	50
Tetrachloroethene	1400		50	18	ug/L			10/01/19 01:56	50
Toluene	ND		50	26	ug/L			10/01/19 01:56	50
trans-1,2-Dichloroethene	51		50	45	ug/L			10/01/19 01:56	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			10/01/19 01:56	50

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-28B

Lab Sample ID: 480-159830-17

Date Collected: 09/24/19 14:50

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	2300		50	23	ug/L			10/01/19 01:56	50
Trichlorofluoromethane	ND		50	44	ug/L			10/01/19 01:56	50
Vinyl acetate	ND		250	43	ug/L			10/01/19 01:56	50
Vinyl chloride	240		50	45	ug/L			10/01/19 01:56	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			10/01/19 01:56	50
Styrene	ND		50	37	ug/L			10/01/19 01:56	50
tert-Butylbenzene	ND		50	41	ug/L			10/01/19 01:56	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		10/01/19 01:56	50
4-Bromofluorobenzene (Surr)	108		73 - 120		10/01/19 01:56	50
Toluene-d8 (Surr)	102		80 - 120		10/01/19 01:56	50
Dibromofluoromethane (Surr)	102		75 - 123		10/01/19 01:56	50

Client Sample ID: MW-4B

Lab Sample ID: 480-159830-18

Date Collected: 09/24/19 15:25

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		20	7.0	ug/L			09/29/19 04:42	20
1,1,1-Trichloroethane	ND		20	16	ug/L			09/29/19 04:42	20
1,1,2,2-Tetrachloroethane	250		20	4.2	ug/L			09/29/19 04:42	20
1,1,2-Trichloroethane	9.1	J	20	4.6	ug/L			09/29/19 04:42	20
1,1-Dichloroethane	ND		20	7.6	ug/L			09/29/19 04:42	20
1,1-Dichloroethene	31		20	5.8	ug/L			09/29/19 04:42	20
1,1-Dichloropropene	ND		20	14	ug/L			09/29/19 04:42	20
1,2,3-Trichlorobenzene	17	J	20	8.2	ug/L			09/29/19 04:42	20
1,2,3-Trichloropropane	ND		20	18	ug/L			09/29/19 04:42	20
1,2,4-Trichlorobenzene	230		20	8.2	ug/L			09/29/19 04:42	20
1,2,4-Trimethylbenzene	ND		20	15	ug/L			09/29/19 04:42	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			09/29/19 04:42	20
1,2-Dichlorobenzene	1700		20	16	ug/L			09/29/19 04:42	20
1,2-Dichloroethane	ND		20	4.2	ug/L			09/29/19 04:42	20
1,2-Dichloropropane	ND		20	14	ug/L			09/29/19 04:42	20
1,3,5-Trimethylbenzene	ND		20	15	ug/L			09/29/19 04:42	20
1,3-Dichlorobenzene	540		20	16	ug/L			09/29/19 04:42	20
1,3-Dichloropropane	ND		20	15	ug/L			09/29/19 04:42	20
1,4-Dichlorobenzene	1100		20	17	ug/L			09/29/19 04:42	20
2,2-Dichloropropane	ND		20	8.0	ug/L			09/29/19 04:42	20
2-Butanone (MEK)	ND		200	26	ug/L			09/29/19 04:42	20
2-Chloroethyl vinyl ether	ND		100	19	ug/L			09/29/19 04:42	20
o-Chlorotoluene	ND		20	17	ug/L			09/29/19 04:42	20
2-Hexanone	ND		100	25	ug/L			09/29/19 04:42	20
p-Chlorotoluene	ND		20	17	ug/L			09/29/19 04:42	20
p-Cymene	ND		20	6.2	ug/L			09/29/19 04:42	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			09/29/19 04:42	20
Acetone	ND		200	60	ug/L			09/29/19 04:42	20
Benzene	210		20	8.2	ug/L			09/29/19 04:42	20
Bromobenzene	ND		20	16	ug/L			09/29/19 04:42	20

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-4B

Lab Sample ID: 480-159830-18

Date Collected: 09/24/19 15:25

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		20	5.2	ug/L			09/29/19 04:42	20
Bromomethane	ND		20	14	ug/L			09/29/19 04:42	20
Carbon disulfide	ND		20	3.8	ug/L			09/29/19 04:42	20
Carbon tetrachloride	ND		20	5.4	ug/L			09/29/19 04:42	20
Chlorobenzene	1300		20	15	ug/L			09/29/19 04:42	20
Bromochloromethane	ND		20	17	ug/L			09/29/19 04:42	20
Chlorodibromomethane	ND		20	6.4	ug/L			09/29/19 04:42	20
Chloroethane	ND		20	6.4	ug/L			09/29/19 04:42	20
Chloroform	20		20	6.8	ug/L			09/29/19 04:42	20
Chloromethane	ND		20	7.0	ug/L			09/29/19 04:42	20
cis-1,2-Dichloroethene	9600	E	20	16	ug/L			09/29/19 04:42	20
Bromodichloromethane	ND		20	7.8	ug/L			09/29/19 04:42	20
Dichlorodifluoromethane	ND	*	20	14	ug/L			09/29/19 04:42	20
Ethylbenzene	ND		20	15	ug/L			09/29/19 04:42	20
1,2-Dibromoethane	ND		20	15	ug/L			09/29/19 04:42	20
Hexachlorobutadiene	ND		40	5.6	ug/L			09/29/19 04:42	20
Isopropylbenzene	ND		20	16	ug/L			09/29/19 04:42	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			09/29/19 04:42	20
Methylene Chloride	10	J	20	8.8	ug/L			09/29/19 04:42	20
m-Xylene & p-Xylene	ND		40	13	ug/L			09/29/19 04:42	20
Naphthalene	ND		20	8.6	ug/L			09/29/19 04:42	20
n-Butylbenzene	ND		20	13	ug/L			09/29/19 04:42	20
N-Propylbenzene	ND		20	14	ug/L			09/29/19 04:42	20
o-Xylene	ND		20	15	ug/L			09/29/19 04:42	20
sec-Butylbenzene	ND		20	15	ug/L			09/29/19 04:42	20
Tetrachloroethene	1500		20	7.2	ug/L			09/29/19 04:42	20
Toluene	ND		20	10	ug/L			09/29/19 04:42	20
trans-1,2-Dichloroethene	240		20	18	ug/L			09/29/19 04:42	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			09/29/19 04:42	20
Trichloroethene	1500		20	9.2	ug/L			09/29/19 04:42	20
Trichlorofluoromethane	ND		20	18	ug/L			09/29/19 04:42	20
Vinyl acetate	ND		100	17	ug/L			09/29/19 04:42	20
Vinyl chloride	1400		20	18	ug/L			09/29/19 04:42	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			09/29/19 04:42	20
Styrene	ND		20	15	ug/L			09/29/19 04:42	20
tert-Butylbenzene	ND		20	16	ug/L			09/29/19 04:42	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		09/29/19 04:42	20
4-Bromofluorobenzene (Surr)	105		73 - 120		09/29/19 04:42	20
Toluene-d8 (Surr)	98		80 - 120		09/29/19 04:42	20
Dibromofluoromethane (Surr)	102		75 - 123		09/29/19 04:42	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200	70	ug/L			10/01/19 02:20	200
1,1,1-Trichloroethane	ND		200	160	ug/L			10/01/19 02:20	200
1,1,2,2-Tetrachloroethane	220		200	42	ug/L			10/01/19 02:20	200
1,1,2-Trichloroethane	ND		200	46	ug/L			10/01/19 02:20	200
1,1-Dichloroethane	ND		200	76	ug/L			10/01/19 02:20	200

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-4B

Lab Sample ID: 480-159830-18

Date Collected: 09/24/19 15:25

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		200	58	ug/L			10/01/19 02:20	200
1,1-Dichloropropene	ND		200	140	ug/L			10/01/19 02:20	200
1,2,3-Trichlorobenzene	ND		200	82	ug/L			10/01/19 02:20	200
1,2,3-Trichloropropane	ND		200	180	ug/L			10/01/19 02:20	200
1,2,4-Trichlorobenzene	200		200	82	ug/L			10/01/19 02:20	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			10/01/19 02:20	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			10/01/19 02:20	200
1,2-Dichlorobenzene	1400		200	160	ug/L			10/01/19 02:20	200
1,2-Dichloroethane	ND		200	42	ug/L			10/01/19 02:20	200
1,2-Dichloropropane	ND		200	140	ug/L			10/01/19 02:20	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			10/01/19 02:20	200
1,3-Dichlorobenzene	460		200	160	ug/L			10/01/19 02:20	200
1,3-Dichloropropane	ND		200	150	ug/L			10/01/19 02:20	200
1,4-Dichlorobenzene	1000		200	170	ug/L			10/01/19 02:20	200
2,2-Dichloropropane	ND		200	80	ug/L			10/01/19 02:20	200
2-Butanone (MEK)	ND		2000	260	ug/L			10/01/19 02:20	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			10/01/19 02:20	200
o-Chlorotoluene	ND		200	170	ug/L			10/01/19 02:20	200
2-Hexanone	ND		1000	250	ug/L			10/01/19 02:20	200
p-Chlorotoluene	ND		200	170	ug/L			10/01/19 02:20	200
p-Cymene	ND		200	62	ug/L			10/01/19 02:20	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			10/01/19 02:20	200
Acetone	ND		2000	600	ug/L			10/01/19 02:20	200
Benzene	200		200	82	ug/L			10/01/19 02:20	200
Bromobenzene	ND		200	160	ug/L			10/01/19 02:20	200
Bromoform	ND		200	52	ug/L			10/01/19 02:20	200
Bromomethane	ND		200	140	ug/L			10/01/19 02:20	200
Carbon disulfide	ND		200	38	ug/L			10/01/19 02:20	200
Carbon tetrachloride	ND		200	54	ug/L			10/01/19 02:20	200
Chlorobenzene	1200		200	150	ug/L			10/01/19 02:20	200
Bromochloromethane	ND		200	170	ug/L			10/01/19 02:20	200
Chlorodibromomethane	ND		200	64	ug/L			10/01/19 02:20	200
Chloroethane	ND		200	64	ug/L			10/01/19 02:20	200
Chloroform	ND		200	68	ug/L			10/01/19 02:20	200
Chloromethane	ND		200	70	ug/L			10/01/19 02:20	200
cis-1,2-Dichloroethene	8100		200	160	ug/L			10/01/19 02:20	200
Bromodichloromethane	ND		200	78	ug/L			10/01/19 02:20	200
Dichlorodifluoromethane	ND		200	140	ug/L			10/01/19 02:20	200
Ethylbenzene	ND		200	150	ug/L			10/01/19 02:20	200
1,2-Dibromoethane	ND		200	150	ug/L			10/01/19 02:20	200
Hexachlorobutadiene	ND		400	56	ug/L			10/01/19 02:20	200
Isopropylbenzene	ND		200	160	ug/L			10/01/19 02:20	200
Methyl tert-butyl ether	ND		200	32	ug/L			10/01/19 02:20	200
Methylene Chloride	110 J		200	88	ug/L			10/01/19 02:20	200
m-Xylene & p-Xylene	ND		400	130	ug/L			10/01/19 02:20	200
Naphthalene	ND		200	86	ug/L			10/01/19 02:20	200
n-Butylbenzene	ND		200	130	ug/L			10/01/19 02:20	200
N-Propylbenzene	ND		200	140	ug/L			10/01/19 02:20	200
o-Xylene	ND		200	150	ug/L			10/01/19 02:20	200

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-4B

Lab Sample ID: 480-159830-18

Date Collected: 09/24/19 15:25

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		200	150	ug/L			10/01/19 02:20	200
Tetrachloroethene	1400		200	72	ug/L			10/01/19 02:20	200
Toluene	ND		200	100	ug/L			10/01/19 02:20	200
trans-1,2-Dichloroethene	210		200	180	ug/L			10/01/19 02:20	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			10/01/19 02:20	200
Trichloroethene	1400		200	92	ug/L			10/01/19 02:20	200
Trichlorofluoromethane	ND		200	180	ug/L			10/01/19 02:20	200
Vinyl acetate	ND		1000	170	ug/L			10/01/19 02:20	200
Vinyl chloride	1200		200	180	ug/L			10/01/19 02:20	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			10/01/19 02:20	200
Styrene	ND		200	150	ug/L			10/01/19 02:20	200
tert-Butylbenzene	ND		200	160	ug/L			10/01/19 02:20	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		10/01/19 02:20	200
4-Bromofluorobenzene (Surr)	104		73 - 120		10/01/19 02:20	200
Toluene-d8 (Surr)	101		80 - 120		10/01/19 02:20	200
Dibromofluoromethane (Surr)	97		75 - 123		10/01/19 02:20	200

Client Sample ID: OW-14B

Lab Sample ID: 480-159830-19

Date Collected: 09/25/19 09:31

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	35	ug/L			09/29/19 00:29	100
1,1,1-Trichloroethane	ND		100	82	ug/L			09/29/19 00:29	100
1,1,2,2-Tetrachloroethane	ND		100	21	ug/L			09/29/19 00:29	100
1,1,2-Trichloroethane	ND		100	23	ug/L			09/29/19 00:29	100
1,1-Dichloroethane	ND		100	38	ug/L			09/29/19 00:29	100
1,1-Dichloroethene	ND		100	29	ug/L			09/29/19 00:29	100
1,1-Dichloropropene	ND		100	72	ug/L			09/29/19 00:29	100
1,2,3-Trichlorobenzene	130		100	41	ug/L			09/29/19 00:29	100
1,2,3-Trichloropropane	ND		100	89	ug/L			09/29/19 00:29	100
1,2,4-Trichlorobenzene	530		100	41	ug/L			09/29/19 00:29	100
1,2,4-Trimethylbenzene	ND		100	75	ug/L			09/29/19 00:29	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			09/29/19 00:29	100
1,2-Dichlorobenzene	3300		100	79	ug/L			09/29/19 00:29	100
1,2-Dichloroethane	ND		100	21	ug/L			09/29/19 00:29	100
1,2-Dichloropropane	ND		100	72	ug/L			09/29/19 00:29	100
1,3,5-Trimethylbenzene	ND		100	77	ug/L			09/29/19 00:29	100
1,3-Dichlorobenzene	1700		100	78	ug/L			09/29/19 00:29	100
1,3-Dichloropropane	ND		100	75	ug/L			09/29/19 00:29	100
1,4-Dichlorobenzene	5900		100	84	ug/L			09/29/19 00:29	100
2,2-Dichloropropane	ND		100	40	ug/L			09/29/19 00:29	100
2-Butanone (MEK)	ND		1000	130	ug/L			09/29/19 00:29	100
2-Chloroethyl vinyl ether	ND		500	96	ug/L			09/29/19 00:29	100
o-Chlorotoluene	ND		100	86	ug/L			09/29/19 00:29	100
2-Hexanone	ND		500	120	ug/L			09/29/19 00:29	100
p-Chlorotoluene	ND		100	84	ug/L			09/29/19 00:29	100

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-14B

Lab Sample ID: 480-159830-19

Date Collected: 09/25/19 09:31

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Cymene	ND		100	31	ug/L			09/29/19 00:29	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			09/29/19 00:29	100
Acetone	ND		1000	300	ug/L			09/29/19 00:29	100
Benzene	ND		100	41	ug/L			09/29/19 00:29	100
Bromobenzene	ND		100	80	ug/L			09/29/19 00:29	100
Bromoform	ND		100	26	ug/L			09/29/19 00:29	100
Bromomethane	ND		100	69	ug/L			09/29/19 00:29	100
Carbon disulfide	ND		100	19	ug/L			09/29/19 00:29	100
Carbon tetrachloride	ND		100	27	ug/L			09/29/19 00:29	100
Chlorobenzene	1900		100	75	ug/L			09/29/19 00:29	100
Bromochloromethane	ND		100	87	ug/L			09/29/19 00:29	100
Chlorodibromomethane	ND		100	32	ug/L			09/29/19 00:29	100
Chloroethane	ND		100	32	ug/L			09/29/19 00:29	100
Chloroform	ND		100	34	ug/L			09/29/19 00:29	100
Chloromethane	ND		100	35	ug/L			09/29/19 00:29	100
cis-1,2-Dichloroethene	ND		100	81	ug/L			09/29/19 00:29	100
Bromodichloromethane	ND		100	39	ug/L			09/29/19 00:29	100
Dichlorodifluoromethane	ND *		100	68	ug/L			09/29/19 00:29	100
Ethylbenzene	ND		100	74	ug/L			09/29/19 00:29	100
1,2-Dibromoethane	ND		100	73	ug/L			09/29/19 00:29	100
Hexachlorobutadiene	ND		200	28	ug/L			09/29/19 00:29	100
Isopropylbenzene	ND		100	79	ug/L			09/29/19 00:29	100
Methyl tert-butyl ether	ND		100	16	ug/L			09/29/19 00:29	100
Methylene Chloride	56 J		100	44	ug/L			09/29/19 00:29	100
m-Xylene & p-Xylene	ND		200	66	ug/L			09/29/19 00:29	100
Naphthalene	ND		100	43	ug/L			09/29/19 00:29	100
n-Butylbenzene	ND		100	64	ug/L			09/29/19 00:29	100
N-Propylbenzene	ND		100	69	ug/L			09/29/19 00:29	100
o-Xylene	ND		100	76	ug/L			09/29/19 00:29	100
sec-Butylbenzene	ND		100	75	ug/L			09/29/19 00:29	100
Tetrachloroethene	ND		100	36	ug/L			09/29/19 00:29	100
Toluene	ND		100	51	ug/L			09/29/19 00:29	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			09/29/19 00:29	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			09/29/19 00:29	100
Trichloroethene	ND		100	46	ug/L			09/29/19 00:29	100
Trichlorofluoromethane	ND		100	88	ug/L			09/29/19 00:29	100
Vinyl acetate	ND		500	85	ug/L			09/29/19 00:29	100
Vinyl chloride	ND		100	90	ug/L			09/29/19 00:29	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			09/29/19 00:29	100
Styrene	ND		100	73	ug/L			09/29/19 00:29	100
tert-Butylbenzene	ND		100	81	ug/L			09/29/19 00:29	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		77 - 120					09/29/19 00:29	100
4-Bromofluorobenzene (Surr)	115		73 - 120					09/29/19 00:29	100
Toluene-d8 (Surr)	113		80 - 120					09/29/19 00:29	100
Dibromofluoromethane (Surr)	114		75 - 123					09/29/19 00:29	100

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-15B

Lab Sample ID: 480-159830-20

Date Collected: 09/25/19 10:15

Matrix: Water

Date Received: 09/26/19 12:15

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		25	8.8	ug/L			09/29/19 00:52	25
1,1,1-Trichloroethane	ND		25	21	ug/L			09/29/19 00:52	25
1,1,2,2-Tetrachloroethane	24	J	25	5.3	ug/L			09/29/19 00:52	25
1,1,2-Trichloroethane	ND		25	5.8	ug/L			09/29/19 00:52	25
1,1-Dichloroethane	ND		25	9.5	ug/L			09/29/19 00:52	25
1,1-Dichloroethene	ND		25	7.3	ug/L			09/29/19 00:52	25
1,1-Dichloropropene	ND		25	18	ug/L			09/29/19 00:52	25
1,2,3-Trichlorobenzene	ND		25	10	ug/L			09/29/19 00:52	25
1,2,3-Trichloropropane	ND		25	22	ug/L			09/29/19 00:52	25
1,2,4-Trichlorobenzene	29		25	10	ug/L			09/29/19 00:52	25
1,2,4-Trimethylbenzene	ND		25	19	ug/L			09/29/19 00:52	25
1,2-Dibromo-3-Chloropropane	ND		25	9.8	ug/L			09/29/19 00:52	25
1,2-Dichlorobenzene	ND		25	20	ug/L			09/29/19 00:52	25
1,2-Dichloroethane	ND		25	5.3	ug/L			09/29/19 00:52	25
1,2-Dichloropropane	ND		25	18	ug/L			09/29/19 00:52	25
1,3,5-Trimethylbenzene	ND		25	19	ug/L			09/29/19 00:52	25
1,3-Dichlorobenzene	ND		25	20	ug/L			09/29/19 00:52	25
1,3-Dichloropropane	ND		25	19	ug/L			09/29/19 00:52	25
1,4-Dichlorobenzene	ND		25	21	ug/L			09/29/19 00:52	25
2,2-Dichloropropane	ND		25	10	ug/L			09/29/19 00:52	25
2-Butanone (MEK)	ND		250	33	ug/L			09/29/19 00:52	25
2-Chloroethyl vinyl ether	ND		130	24	ug/L			09/29/19 00:52	25
o-Chlorotoluene	ND		25	22	ug/L			09/29/19 00:52	25
2-Hexanone	ND		130	31	ug/L			09/29/19 00:52	25
p-Chlorotoluene	ND		25	21	ug/L			09/29/19 00:52	25
p-Cymene	ND		25	7.8	ug/L			09/29/19 00:52	25
4-Methyl-2-pentanone (MIBK)	ND		130	53	ug/L			09/29/19 00:52	25
Acetone	ND		250	75	ug/L			09/29/19 00:52	25
Benzene	ND		25	10	ug/L			09/29/19 00:52	25
Bromobenzene	ND		25	20	ug/L			09/29/19 00:52	25
Bromoform	ND		25	6.5	ug/L			09/29/19 00:52	25
Bromomethane	ND		25	17	ug/L			09/29/19 00:52	25
Carbon disulfide	ND		25	4.8	ug/L			09/29/19 00:52	25
Carbon tetrachloride	ND		25	6.8	ug/L			09/29/19 00:52	25
Chlorobenzene	ND		25	19	ug/L			09/29/19 00:52	25
Bromochloromethane	ND		25	22	ug/L			09/29/19 00:52	25
Chlorodibromomethane	ND		25	8.0	ug/L			09/29/19 00:52	25
Chloroethane	ND		25	8.0	ug/L			09/29/19 00:52	25
Chloroform	15	J	25	8.5	ug/L			09/29/19 00:52	25
Chloromethane	ND		25	8.8	ug/L			09/29/19 00:52	25
cis-1,2-Dichloroethene	350		25	20	ug/L			09/29/19 00:52	25
Bromodichloromethane	ND		25	9.8	ug/L			09/29/19 00:52	25
Dichlorodifluoromethane	ND	*	25	17	ug/L			09/29/19 00:52	25
Ethylbenzene	ND		25	19	ug/L			09/29/19 00:52	25
1,2-Dibromoethane	ND		25	18	ug/L			09/29/19 00:52	25
Hexachlorobutadiene	ND		50	7.0	ug/L			09/29/19 00:52	25
Isopropylbenzene	ND		25	20	ug/L			09/29/19 00:52	25
Methyl tert-butyl ether	ND		25	4.0	ug/L			09/29/19 00:52	25
Methylene Chloride	16	J	25	11	ug/L			09/29/19 00:52	25

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-15B

Lab Sample ID: 480-159830-20

Date Collected: 09/25/19 10:15

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		50	17	ug/L			09/29/19 00:52	25
Naphthalene	ND		25	11	ug/L			09/29/19 00:52	25
n-Butylbenzene	ND		25	16	ug/L			09/29/19 00:52	25
N-Propylbenzene	ND		25	17	ug/L			09/29/19 00:52	25
o-Xylene	ND		25	19	ug/L			09/29/19 00:52	25
sec-Butylbenzene	ND		25	19	ug/L			09/29/19 00:52	25
Tetrachloroethene	350		25	9.0	ug/L			09/29/19 00:52	25
Toluene	ND		25	13	ug/L			09/29/19 00:52	25
trans-1,2-Dichloroethene	ND		25	23	ug/L			09/29/19 00:52	25
trans-1,3-Dichloropropene	ND		25	9.3	ug/L			09/29/19 00:52	25
Trichloroethene	190		25	12	ug/L			09/29/19 00:52	25
Trichlorofluoromethane	ND		25	22	ug/L			09/29/19 00:52	25
Vinyl acetate	ND		130	21	ug/L			09/29/19 00:52	25
Vinyl chloride	ND		25	23	ug/L			09/29/19 00:52	25
cis-1,3-Dichloropropene	ND		25	9.0	ug/L			09/29/19 00:52	25
Styrene	ND		25	18	ug/L			09/29/19 00:52	25
tert-Butylbenzene	ND		25	20	ug/L			09/29/19 00:52	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		77 - 120		09/29/19 00:52	25
4-Bromofluorobenzene (Surr)	110		73 - 120		09/29/19 00:52	25
Toluene-d8 (Surr)	113		80 - 120		09/29/19 00:52	25
Dibromofluoromethane (Surr)	117		75 - 123		09/29/19 00:52	25

Client Sample ID: OW-22A

Lab Sample ID: 480-159830-21

Date Collected: 09/25/19 10:38

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/29/19 01:15	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/29/19 01:15	1
1,1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/29/19 01:15	1
1,1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/29/19 01:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/29/19 01:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/29/19 01:15	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/29/19 01:15	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/29/19 01:15	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/29/19 01:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/29/19 01:15	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/29/19 01:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/29/19 01:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/29/19 01:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/29/19 01:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/29/19 01:15	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/29/19 01:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/29/19 01:15	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/29/19 01:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/29/19 01:15	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/29/19 01:15	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-22A

Lab Sample ID: 480-159830-21

Date Collected: 09/25/19 10:38

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			09/29/19 01:15	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/29/19 01:15	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/29/19 01:15	1
2-Hexanone	ND		5.0	1.2	ug/L			09/29/19 01:15	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/29/19 01:15	1
p-Cymene	ND		1.0	0.31	ug/L			09/29/19 01:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/29/19 01:15	1
Acetone	ND		10	3.0	ug/L			09/29/19 01:15	1
Benzene	ND		1.0	0.41	ug/L			09/29/19 01:15	1
Bromobenzene	ND		1.0	0.80	ug/L			09/29/19 01:15	1
Bromoform	ND		1.0	0.26	ug/L			09/29/19 01:15	1
Bromomethane	ND		1.0	0.69	ug/L			09/29/19 01:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/29/19 01:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/29/19 01:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/29/19 01:15	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/29/19 01:15	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/29/19 01:15	1
Chloroethane	ND		1.0	0.32	ug/L			09/29/19 01:15	1
Chloroform	0.41	J	1.0	0.34	ug/L			09/29/19 01:15	1
Chloromethane	ND		1.0	0.35	ug/L			09/29/19 01:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/29/19 01:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/29/19 01:15	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			09/29/19 01:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/29/19 01:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/29/19 01:15	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			09/29/19 01:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/29/19 01:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/29/19 01:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/29/19 01:15	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/29/19 01:15	1
Naphthalene	ND		1.0	0.43	ug/L			09/29/19 01:15	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/29/19 01:15	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/29/19 01:15	1
o-Xylene	ND		1.0	0.76	ug/L			09/29/19 01:15	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/29/19 01:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/29/19 01:15	1
Toluene	ND		1.0	0.51	ug/L			09/29/19 01:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/29/19 01:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/29/19 01:15	1
Trichloroethene	ND		1.0	0.46	ug/L			09/29/19 01:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/29/19 01:15	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/29/19 01:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/29/19 01:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/29/19 01:15	1
Styrene	ND		1.0	0.73	ug/L			09/29/19 01:15	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/29/19 01:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		09/29/19 01:15	1
4-Bromofluorobenzene (Surr)	110		73 - 120		09/29/19 01:15	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-22A

Lab Sample ID: 480-159830-21

Date Collected: 09/25/19 10:38

Matrix: Water

Date Received: 09/26/19 12:15

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		80 - 120		09/29/19 01:15	1
Dibromofluoromethane (Surr)	111		75 - 123		09/29/19 01:15	1

Client Sample ID: OW-6B

Lab Sample ID: 480-159830-22

Date Collected: 09/25/19 13:00

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		20	7.0	ug/L			09/29/19 01:38	20
1,1,1-Trichloroethane	ND		20	16	ug/L			09/29/19 01:38	20
1,1,2,2-Tetrachloroethane	170		20	4.2	ug/L			09/29/19 01:38	20
1,1,2-Trichloroethane	10	J	20	4.6	ug/L			09/29/19 01:38	20
1,1-Dichloroethane	ND		20	7.6	ug/L			09/29/19 01:38	20
1,1-Dichloroethene	23		20	5.8	ug/L			09/29/19 01:38	20
1,1-Dichloropropene	ND		20	14	ug/L			09/29/19 01:38	20
1,2,3-Trichlorobenzene	45		20	8.2	ug/L			09/29/19 01:38	20
1,2,3-Trichloropropane	ND		20	18	ug/L			09/29/19 01:38	20
1,2,4-Trichlorobenzene	1300		20	8.2	ug/L			09/29/19 01:38	20
1,2,4-Trimethylbenzene	ND		20	15	ug/L			09/29/19 01:38	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			09/29/19 01:38	20
1,2-Dichlorobenzene	850		20	16	ug/L			09/29/19 01:38	20
1,2-Dichloroethane	ND		20	4.2	ug/L			09/29/19 01:38	20
1,2-Dichloropropane	ND		20	14	ug/L			09/29/19 01:38	20
1,3,5-Trimethylbenzene	ND		20	15	ug/L			09/29/19 01:38	20
1,3-Dichlorobenzene	430		20	16	ug/L			09/29/19 01:38	20
1,3-Dichloropropane	ND		20	15	ug/L			09/29/19 01:38	20
1,4-Dichlorobenzene	810		20	17	ug/L			09/29/19 01:38	20
2,2-Dichloropropane	ND		20	8.0	ug/L			09/29/19 01:38	20
2-Butanone (MEK)	ND		200	26	ug/L			09/29/19 01:38	20
2-Chloroethyl vinyl ether	ND		100	19	ug/L			09/29/19 01:38	20
o-Chlorotoluene	ND		20	17	ug/L			09/29/19 01:38	20
2-Hexanone	ND		100	25	ug/L			09/29/19 01:38	20
p-Chlorotoluene	ND		20	17	ug/L			09/29/19 01:38	20
p-Cymene	ND		20	6.2	ug/L			09/29/19 01:38	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			09/29/19 01:38	20
Acetone	ND		200	60	ug/L			09/29/19 01:38	20
Benzene	110		20	8.2	ug/L			09/29/19 01:38	20
Bromobenzene	ND		20	16	ug/L			09/29/19 01:38	20
Bromoform	ND		20	5.2	ug/L			09/29/19 01:38	20
Bromomethane	ND		20	14	ug/L			09/29/19 01:38	20
Carbon disulfide	ND		20	3.8	ug/L			09/29/19 01:38	20
Carbon tetrachloride	ND		20	5.4	ug/L			09/29/19 01:38	20
Chlorobenzene	740		20	15	ug/L			09/29/19 01:38	20
Bromochloromethane	ND		20	17	ug/L			09/29/19 01:38	20
Chlorodibromomethane	ND		20	6.4	ug/L			09/29/19 01:38	20
Chloroethane	ND		20	6.4	ug/L			09/29/19 01:38	20
Chloroform	ND		20	6.8	ug/L			09/29/19 01:38	20
Chloromethane	ND		20	7.0	ug/L			09/29/19 01:38	20

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-6B

Lab Sample ID: 480-159830-22

Date Collected: 09/25/19 13:00

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	5100	E	20	16	ug/L			09/29/19 01:38	20
Bromodichloromethane	ND		20	7.8	ug/L			09/29/19 01:38	20
Dichlorodifluoromethane	ND	*	20	14	ug/L			09/29/19 01:38	20
Ethylbenzene	ND		20	15	ug/L			09/29/19 01:38	20
1,2-Dibromoethane	ND		20	15	ug/L			09/29/19 01:38	20
Hexachlorobutadiene	ND		40	5.6	ug/L			09/29/19 01:38	20
Isopropylbenzene	ND		20	16	ug/L			09/29/19 01:38	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			09/29/19 01:38	20
Methylene Chloride	12	J	20	8.8	ug/L			09/29/19 01:38	20
m-Xylene & p-Xylene	ND		40	13	ug/L			09/29/19 01:38	20
Naphthalene	ND		20	8.6	ug/L			09/29/19 01:38	20
n-Butylbenzene	ND		20	13	ug/L			09/29/19 01:38	20
N-Propylbenzene	ND		20	14	ug/L			09/29/19 01:38	20
o-Xylene	ND		20	15	ug/L			09/29/19 01:38	20
sec-Butylbenzene	ND		20	15	ug/L			09/29/19 01:38	20
Tetrachloroethene	970		20	7.2	ug/L			09/29/19 01:38	20
Toluene	ND		20	10	ug/L			09/29/19 01:38	20
trans-1,2-Dichloroethene	130		20	18	ug/L			09/29/19 01:38	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			09/29/19 01:38	20
Trichloroethene	2400	E	20	9.2	ug/L			09/29/19 01:38	20
Trichlorofluoromethane	ND		20	18	ug/L			09/29/19 01:38	20
Vinyl acetate	ND		100	17	ug/L			09/29/19 01:38	20
Vinyl chloride	680		20	18	ug/L			09/29/19 01:38	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			09/29/19 01:38	20
Styrene	ND		20	15	ug/L			09/29/19 01:38	20
tert-Butylbenzene	ND		20	16	ug/L			09/29/19 01:38	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		09/29/19 01:38	20
4-Bromofluorobenzene (Surr)	115		73 - 120		09/29/19 01:38	20
Toluene-d8 (Surr)	113		80 - 120		09/29/19 01:38	20
Dibromofluoromethane (Surr)	113		75 - 123		09/29/19 01:38	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200	70	ug/L			10/01/19 04:02	200
1,1,1-Trichloroethane	ND		200	160	ug/L			10/01/19 04:02	200
1,1,2,2-Tetrachloroethane	140	J	200	42	ug/L			10/01/19 04:02	200
1,1,2-Trichloroethane	ND		200	46	ug/L			10/01/19 04:02	200
1,1-Dichloroethane	ND		200	76	ug/L			10/01/19 04:02	200
1,1-Dichloroethene	ND		200	58	ug/L			10/01/19 04:02	200
1,1-Dichloropropene	ND		200	140	ug/L			10/01/19 04:02	200
1,2,3-Trichlorobenzene	ND		200	82	ug/L			10/01/19 04:02	200
1,2,3-Trichloropropane	ND		200	180	ug/L			10/01/19 04:02	200
1,2,4-Trichlorobenzene	990		200	82	ug/L			10/01/19 04:02	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			10/01/19 04:02	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			10/01/19 04:02	200
1,2-Dichlorobenzene	660		200	160	ug/L			10/01/19 04:02	200
1,2-Dichloroethane	ND		200	42	ug/L			10/01/19 04:02	200
1,2-Dichloropropane	ND		200	140	ug/L			10/01/19 04:02	200

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-6B

Lab Sample ID: 480-159830-22

Date Collected: 09/25/19 13:00

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		200	150	ug/L			10/01/19 04:02	200
1,3-Dichlorobenzene	330		200	160	ug/L			10/01/19 04:02	200
1,3-Dichloropropane	ND		200	150	ug/L			10/01/19 04:02	200
1,4-Dichlorobenzene	700		200	170	ug/L			10/01/19 04:02	200
2,2-Dichloropropane	ND		200	80	ug/L			10/01/19 04:02	200
2-Butanone (MEK)	ND		2000	260	ug/L			10/01/19 04:02	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			10/01/19 04:02	200
o-Chlorotoluene	ND		200	170	ug/L			10/01/19 04:02	200
2-Hexanone	ND		1000	250	ug/L			10/01/19 04:02	200
p-Chlorotoluene	ND		200	170	ug/L			10/01/19 04:02	200
p-Cymene	ND		200	62	ug/L			10/01/19 04:02	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			10/01/19 04:02	200
Acetone	ND		2000	600	ug/L			10/01/19 04:02	200
Benzene	84 J		200	82	ug/L			10/01/19 04:02	200
Bromobenzene	ND		200	160	ug/L			10/01/19 04:02	200
Bromoform	ND		200	52	ug/L			10/01/19 04:02	200
Bromomethane	ND		200	140	ug/L			10/01/19 04:02	200
Carbon disulfide	ND		200	38	ug/L			10/01/19 04:02	200
Carbon tetrachloride	ND		200	54	ug/L			10/01/19 04:02	200
Chlorobenzene	600		200	150	ug/L			10/01/19 04:02	200
Bromochloromethane	ND		200	170	ug/L			10/01/19 04:02	200
Chlorodibromomethane	ND		200	64	ug/L			10/01/19 04:02	200
Chloroethane	ND		200	64	ug/L			10/01/19 04:02	200
Chloroform	ND		200	68	ug/L			10/01/19 04:02	200
Chloromethane	ND		200	70	ug/L			10/01/19 04:02	200
cis-1,2-Dichloroethene	4400		200	160	ug/L			10/01/19 04:02	200
Bromodichloromethane	ND		200	78	ug/L			10/01/19 04:02	200
Dichlorodifluoromethane	ND		200	140	ug/L			10/01/19 04:02	200
Ethylbenzene	ND		200	150	ug/L			10/01/19 04:02	200
1,2-Dibromoethane	ND		200	150	ug/L			10/01/19 04:02	200
Hexachlorobutadiene	ND		400	56	ug/L			10/01/19 04:02	200
Isopropylbenzene	ND		200	160	ug/L			10/01/19 04:02	200
Methyl tert-butyl ether	ND		200	32	ug/L			10/01/19 04:02	200
Methylene Chloride	370		200	88	ug/L			10/01/19 04:02	200
m-Xylene & p-Xylene	ND		400	130	ug/L			10/01/19 04:02	200
Naphthalene	ND		200	86	ug/L			10/01/19 04:02	200
n-Butylbenzene	ND		200	130	ug/L			10/01/19 04:02	200
N-Propylbenzene	ND		200	140	ug/L			10/01/19 04:02	200
o-Xylene	ND		200	150	ug/L			10/01/19 04:02	200
sec-Butylbenzene	ND		200	150	ug/L			10/01/19 04:02	200
Tetrachloroethene	850		200	72	ug/L			10/01/19 04:02	200
Toluene	ND		200	100	ug/L			10/01/19 04:02	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			10/01/19 04:02	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			10/01/19 04:02	200
Trichloroethene	2100		200	92	ug/L			10/01/19 04:02	200
Trichlorofluoromethane	ND		200	180	ug/L			10/01/19 04:02	200
Vinyl acetate	ND		1000	170	ug/L			10/01/19 04:02	200
Vinyl chloride	570		200	180	ug/L			10/01/19 04:02	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			10/01/19 04:02	200

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-6B

Lab Sample ID: 480-159830-22

Date Collected: 09/25/19 13:00

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		200	150	ug/L			10/01/19 04:02	200
tert-Butylbenzene	ND		200	160	ug/L			10/01/19 04:02	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		10/01/19 04:02	200
4-Bromofluorobenzene (Surr)	105		73 - 120		10/01/19 04:02	200
Toluene-d8 (Surr)	102		80 - 120		10/01/19 04:02	200
Dibromofluoromethane (Surr)	114		75 - 123		10/01/19 04:02	200

Client Sample ID: OW-7B

Lab Sample ID: 480-159830-23

Date Collected: 09/25/19 13:50

Matrix: Water

Date Received: 09/26/19 12:15

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			10/01/19 04:26	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/01/19 04:26	1
1,1,2,2-Tetrachloroethane	17		1.0	0.21	ug/L			10/01/19 04:26	1
1,1,2-Trichloroethane	0.91 J		1.0	0.23	ug/L			10/01/19 04:26	1
1,1-Dichloroethane	1.4		1.0	0.38	ug/L			10/01/19 04:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/01/19 04:26	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			10/01/19 04:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			10/01/19 04:26	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/01/19 04:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/01/19 04:26	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/01/19 04:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/01/19 04:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/01/19 04:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/01/19 04:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/01/19 04:26	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/01/19 04:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/01/19 04:26	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			10/01/19 04:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/01/19 04:26	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			10/01/19 04:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/01/19 04:26	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			10/01/19 04:26	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			10/01/19 04:26	1
2-Hexanone	ND		5.0	1.2	ug/L			10/01/19 04:26	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			10/01/19 04:26	1
p-Cymene	ND		1.0	0.31	ug/L			10/01/19 04:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/01/19 04:26	1
Acetone	ND		10	3.0	ug/L			10/01/19 04:26	1
Benzene	ND		1.0	0.41	ug/L			10/01/19 04:26	1
Bromobenzene	ND		1.0	0.80	ug/L			10/01/19 04:26	1
Bromoform	ND		1.0	0.26	ug/L			10/01/19 04:26	1
Bromomethane	ND		1.0	0.69	ug/L			10/01/19 04:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/01/19 04:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/01/19 04:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/01/19 04:26	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-7B

Lab Sample ID: 480-159830-23

Date Collected: 09/25/19 13:50

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	ND		1.0	0.87	ug/L			10/01/19 04:26	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/01/19 04:26	1
Chloroethane	ND		1.0	0.32	ug/L			10/01/19 04:26	1
Chloroform	1.5		1.0	0.34	ug/L			10/01/19 04:26	1
Chloromethane	ND		1.0	0.35	ug/L			10/01/19 04:26	1
cis-1,2-Dichloroethene	38		1.0	0.81	ug/L			10/01/19 04:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/01/19 04:26	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/01/19 04:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/01/19 04:26	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/01/19 04:26	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			10/01/19 04:26	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/01/19 04:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/01/19 04:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/01/19 04:26	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/01/19 04:26	1
Naphthalene	ND		1.0	0.43	ug/L			10/01/19 04:26	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/01/19 04:26	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/01/19 04:26	1
o-Xylene	ND		1.0	0.76	ug/L			10/01/19 04:26	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/01/19 04:26	1
Tetrachloroethene	13		1.0	0.36	ug/L			10/01/19 04:26	1
Toluene	ND		1.0	0.51	ug/L			10/01/19 04:26	1
trans-1,2-Dichloroethene	9.5		1.0	0.90	ug/L			10/01/19 04:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/01/19 04:26	1
Trichloroethene	74		1.0	0.46	ug/L			10/01/19 04:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/01/19 04:26	1
Vinyl acetate	ND		5.0	0.85	ug/L			10/01/19 04:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/01/19 04:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/01/19 04:26	1
Styrene	ND		1.0	0.73	ug/L			10/01/19 04:26	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/01/19 04:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		10/01/19 04:26	1
4-Bromofluorobenzene (Surr)	107		73 - 120		10/01/19 04:26	1
Toluene-d8 (Surr)	107		80 - 120		10/01/19 04:26	1
Dibromofluoromethane (Surr)	115		75 - 123		10/01/19 04:26	1

Client Sample ID: OW-5B

Lab Sample ID: 480-159830-24

Date Collected: 09/25/19 11:37

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10	3.5	ug/L			09/29/19 02:24	10
1,1,1-Trichloroethane	18		10	8.2	ug/L			09/29/19 02:24	10
1,1,2,2-Tetrachloroethane	470		10	2.1	ug/L			09/29/19 02:24	10
1,1,2-Trichloroethane	14		10	2.3	ug/L			09/29/19 02:24	10
1,1-Dichloroethane	5.4 J		10	3.8	ug/L			09/29/19 02:24	10
1,1-Dichloroethene	25		10	2.9	ug/L			09/29/19 02:24	10

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-5B

Lab Sample ID: 480-159830-24

Date Collected: 09/25/19 11:37

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		10	7.2	ug/L			09/29/19 02:24	10
1,2,3-Trichlorobenzene	60		10	4.1	ug/L			09/29/19 02:24	10
1,2,3-Trichloropropane	ND		10	8.9	ug/L			09/29/19 02:24	10
1,2,4-Trichlorobenzene	160		10	4.1	ug/L			09/29/19 02:24	10
1,2,4-Trimethylbenzene	ND		10	7.5	ug/L			09/29/19 02:24	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			09/29/19 02:24	10
1,2-Dichlorobenzene	150		10	7.9	ug/L			09/29/19 02:24	10
1,2-Dichloroethane	3.0 J		10	2.1	ug/L			09/29/19 02:24	10
1,2-Dichloropropane	ND		10	7.2	ug/L			09/29/19 02:24	10
1,3,5-Trimethylbenzene	ND		10	7.7	ug/L			09/29/19 02:24	10
1,3-Dichlorobenzene	160		10	7.8	ug/L			09/29/19 02:24	10
1,3-Dichloropropane	ND		10	7.5	ug/L			09/29/19 02:24	10
1,4-Dichlorobenzene	190		10	8.4	ug/L			09/29/19 02:24	10
2,2-Dichloropropane	ND		10	4.0	ug/L			09/29/19 02:24	10
2-Butanone (MEK)	ND		100	13	ug/L			09/29/19 02:24	10
2-Chloroethyl vinyl ether	ND		50	9.6	ug/L			09/29/19 02:24	10
o-Chlorotoluene	ND		10	8.6	ug/L			09/29/19 02:24	10
2-Hexanone	ND		50	12	ug/L			09/29/19 02:24	10
p-Chlorotoluene	ND		10	8.4	ug/L			09/29/19 02:24	10
p-Cymene	ND		10	3.1	ug/L			09/29/19 02:24	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			09/29/19 02:24	10
Acetone	ND		100	30	ug/L			09/29/19 02:24	10
Benzene	81		10	4.1	ug/L			09/29/19 02:24	10
Bromobenzene	ND		10	8.0	ug/L			09/29/19 02:24	10
Bromoform	ND		10	2.6	ug/L			09/29/19 02:24	10
Bromomethane	ND		10	6.9	ug/L			09/29/19 02:24	10
Carbon disulfide	ND		10	1.9	ug/L			09/29/19 02:24	10
Carbon tetrachloride	ND		10	2.7	ug/L			09/29/19 02:24	10
Chlorobenzene	230		10	7.5	ug/L			09/29/19 02:24	10
Bromochloromethane	ND		10	8.7	ug/L			09/29/19 02:24	10
Chlorodibromomethane	ND		10	3.2	ug/L			09/29/19 02:24	10
Chloroethane	ND		10	3.2	ug/L			09/29/19 02:24	10
Chloroform	3.4 J		10	3.4	ug/L			09/29/19 02:24	10
Chloromethane	ND		10	3.5	ug/L			09/29/19 02:24	10
cis-1,2-Dichloroethene	2500 E		10	8.1	ug/L			09/29/19 02:24	10
Bromodichloromethane	ND		10	3.9	ug/L			09/29/19 02:24	10
Dichlorodifluoromethane	ND *		10	6.8	ug/L			09/29/19 02:24	10
Ethylbenzene	ND		10	7.4	ug/L			09/29/19 02:24	10
1,2-Dibromoethane	ND		10	7.3	ug/L			09/29/19 02:24	10
Hexachlorobutadiene	ND		20	2.8	ug/L			09/29/19 02:24	10
Isopropylbenzene	ND		10	7.9	ug/L			09/29/19 02:24	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			09/29/19 02:24	10
Methylene Chloride	ND		10	4.4	ug/L			09/29/19 02:24	10
m-Xylene & p-Xylene	ND		20	6.6	ug/L			09/29/19 02:24	10
Naphthalene	ND		10	4.3	ug/L			09/29/19 02:24	10
n-Butylbenzene	ND		10	6.4	ug/L			09/29/19 02:24	10
N-Propylbenzene	ND		10	6.9	ug/L			09/29/19 02:24	10
o-Xylene	ND		10	7.6	ug/L			09/29/19 02:24	10
sec-Butylbenzene	ND		10	7.5	ug/L			09/29/19 02:24	10

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-5B

Lab Sample ID: 480-159830-24

Date Collected: 09/25/19 11:37

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	3500	E	10	3.6	ug/L			09/29/19 02:24	10
Toluene	ND		10	5.1	ug/L			09/29/19 02:24	10
trans-1,2-Dichloroethene	95		10	9.0	ug/L			09/29/19 02:24	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			09/29/19 02:24	10
Trichloroethene	7600	E	10	4.6	ug/L			09/29/19 02:24	10
Trichlorofluoromethane	ND		10	8.8	ug/L			09/29/19 02:24	10
Vinyl acetate	ND		50	8.5	ug/L			09/29/19 02:24	10
Vinyl chloride	230		10	9.0	ug/L			09/29/19 02:24	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			09/29/19 02:24	10
Styrene	ND		10	7.3	ug/L			09/29/19 02:24	10
tert-Butylbenzene	ND		10	8.1	ug/L			09/29/19 02:24	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		09/29/19 02:24	10
4-Bromofluorobenzene (Surr)	111		73 - 120		09/29/19 02:24	10
Toluene-d8 (Surr)	115		80 - 120		09/29/19 02:24	10
Dibromofluoromethane (Surr)	117		75 - 123		09/29/19 02:24	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200	70	ug/L			10/01/19 04:50	200
1,1,1-Trichloroethane	ND		200	160	ug/L			10/01/19 04:50	200
1,1,2,2-Tetrachloroethane	420		200	42	ug/L			10/01/19 04:50	200
1,1,2-Trichloroethane	ND		200	46	ug/L			10/01/19 04:50	200
1,1-Dichloroethane	ND		200	76	ug/L			10/01/19 04:50	200
1,1-Dichloroethene	ND		200	58	ug/L			10/01/19 04:50	200
1,1-Dichloropropene	ND		200	140	ug/L			10/01/19 04:50	200
1,2,3-Trichlorobenzene	ND		200	82	ug/L			10/01/19 04:50	200
1,2,3-Trichloropropane	ND		200	180	ug/L			10/01/19 04:50	200
1,2,4-Trichlorobenzene	110	J	200	82	ug/L			10/01/19 04:50	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			10/01/19 04:50	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			10/01/19 04:50	200
1,2-Dichlorobenzene	ND		200	160	ug/L			10/01/19 04:50	200
1,2-Dichloroethane	ND		200	42	ug/L			10/01/19 04:50	200
1,2-Dichloropropane	ND		200	140	ug/L			10/01/19 04:50	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			10/01/19 04:50	200
1,3-Dichlorobenzene	ND		200	160	ug/L			10/01/19 04:50	200
1,3-Dichloropropane	ND		200	150	ug/L			10/01/19 04:50	200
1,4-Dichlorobenzene	170	J	200	170	ug/L			10/01/19 04:50	200
2,2-Dichloropropane	ND		200	80	ug/L			10/01/19 04:50	200
2-Butanone (MEK)	ND		2000	260	ug/L			10/01/19 04:50	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			10/01/19 04:50	200
o-Chlorotoluene	ND		200	170	ug/L			10/01/19 04:50	200
2-Hexanone	ND		1000	250	ug/L			10/01/19 04:50	200
p-Chlorotoluene	ND		200	170	ug/L			10/01/19 04:50	200
p-Cymene	ND		200	62	ug/L			10/01/19 04:50	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			10/01/19 04:50	200
Acetone	ND		2000	600	ug/L			10/01/19 04:50	200
Benzene	ND		200	82	ug/L			10/01/19 04:50	200
Bromobenzene	ND		200	160	ug/L			10/01/19 04:50	200

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-5B

Lab Sample ID: 480-159830-24

Date Collected: 09/25/19 11:37

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		200	52	ug/L			10/01/19 04:50	200
Bromomethane	ND		200	140	ug/L			10/01/19 04:50	200
Carbon disulfide	ND		200	38	ug/L			10/01/19 04:50	200
Carbon tetrachloride	ND		200	54	ug/L			10/01/19 04:50	200
Chlorobenzene	190	J	200	150	ug/L			10/01/19 04:50	200
Bromochloromethane	ND		200	170	ug/L			10/01/19 04:50	200
Chlorodibromomethane	ND		200	64	ug/L			10/01/19 04:50	200
Chloroethane	ND		200	64	ug/L			10/01/19 04:50	200
Chloroform	ND		200	68	ug/L			10/01/19 04:50	200
Chloromethane	ND		200	70	ug/L			10/01/19 04:50	200
cis-1,2-Dichloroethene	2100		200	160	ug/L			10/01/19 04:50	200
Bromodichloromethane	ND		200	78	ug/L			10/01/19 04:50	200
Dichlorodifluoromethane	ND		200	140	ug/L			10/01/19 04:50	200
Ethylbenzene	ND		200	150	ug/L			10/01/19 04:50	200
1,2-Dibromoethane	ND		200	150	ug/L			10/01/19 04:50	200
Hexachlorobutadiene	ND		400	56	ug/L			10/01/19 04:50	200
Isopropylbenzene	ND		200	160	ug/L			10/01/19 04:50	200
Methyl tert-butyl ether	ND		200	32	ug/L			10/01/19 04:50	200
Methylene Chloride	300		200	88	ug/L			10/01/19 04:50	200
m-Xylene & p-Xylene	ND		400	130	ug/L			10/01/19 04:50	200
Naphthalene	ND		200	86	ug/L			10/01/19 04:50	200
n-Butylbenzene	ND		200	130	ug/L			10/01/19 04:50	200
N-Propylbenzene	ND		200	140	ug/L			10/01/19 04:50	200
o-Xylene	ND		200	150	ug/L			10/01/19 04:50	200
sec-Butylbenzene	ND		200	150	ug/L			10/01/19 04:50	200
Tetrachloroethene	2800		200	72	ug/L			10/01/19 04:50	200
Toluene	ND		200	100	ug/L			10/01/19 04:50	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			10/01/19 04:50	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			10/01/19 04:50	200
Trichloroethene	6300		200	92	ug/L			10/01/19 04:50	200
Trichlorofluoromethane	ND		200	180	ug/L			10/01/19 04:50	200
Vinyl acetate	ND		1000	170	ug/L			10/01/19 04:50	200
Vinyl chloride	ND		200	180	ug/L			10/01/19 04:50	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			10/01/19 04:50	200
Styrene	ND		200	150	ug/L			10/01/19 04:50	200
tert-Butylbenzene	ND		200	160	ug/L			10/01/19 04:50	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		10/01/19 04:50	200
4-Bromofluorobenzene (Surr)	108		73 - 120		10/01/19 04:50	200
Toluene-d8 (Surr)	107		80 - 120		10/01/19 04:50	200
Dibromofluoromethane (Surr)	115		75 - 123		10/01/19 04:50	200

Client Sample ID: OW-105B

Lab Sample ID: 480-159830-25

Date Collected: 09/25/19 12:37

Matrix: Water

Date Received: 09/26/19 12:15

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			10/01/19 05:14	100

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-105B

Lab Sample ID: 480-159830-25

Date Collected: 09/25/19 12:37

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	82	ug/L			10/01/19 05:14	100
1,1,2,2-Tetrachloroethane	380		100	21	ug/L			10/01/19 05:14	100
1,1,2-Trichloroethane	ND		100	23	ug/L			10/01/19 05:14	100
1,1-Dichloroethane	ND		100	38	ug/L			10/01/19 05:14	100
1,1-Dichloroethene	ND		100	29	ug/L			10/01/19 05:14	100
1,1-Dichloropropene	ND		100	72	ug/L			10/01/19 05:14	100
1,2,3-Trichlorobenzene	42 J		100	41	ug/L			10/01/19 05:14	100
1,2,3-Trichloropropane	ND		100	89	ug/L			10/01/19 05:14	100
1,2,4-Trichlorobenzene	140		100	41	ug/L			10/01/19 05:14	100
1,2,4-Trimethylbenzene	ND		100	75	ug/L			10/01/19 05:14	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			10/01/19 05:14	100
1,2-Dichlorobenzene	130		100	79	ug/L			10/01/19 05:14	100
1,2-Dichloroethane	ND		100	21	ug/L			10/01/19 05:14	100
1,2-Dichloropropane	ND		100	72	ug/L			10/01/19 05:14	100
1,3,5-Trimethylbenzene	ND		100	77	ug/L			10/01/19 05:14	100
1,3-Dichlorobenzene	130		100	78	ug/L			10/01/19 05:14	100
1,3-Dichloropropane	ND		100	75	ug/L			10/01/19 05:14	100
1,4-Dichlorobenzene	160		100	84	ug/L			10/01/19 05:14	100
2,2-Dichloropropane	ND		100	40	ug/L			10/01/19 05:14	100
2-Butanone (MEK)	ND		1000	130	ug/L			10/01/19 05:14	100
2-Chloroethyl vinyl ether	ND		500	96	ug/L			10/01/19 05:14	100
o-Chlorotoluene	ND		100	86	ug/L			10/01/19 05:14	100
2-Hexanone	ND		500	120	ug/L			10/01/19 05:14	100
p-Chlorotoluene	ND		100	84	ug/L			10/01/19 05:14	100
p-Cymene	ND		100	31	ug/L			10/01/19 05:14	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			10/01/19 05:14	100
Acetone	ND		1000	300	ug/L			10/01/19 05:14	100
Benzene	70 J		100	41	ug/L			10/01/19 05:14	100
Bromobenzene	ND		100	80	ug/L			10/01/19 05:14	100
Bromoform	ND		100	26	ug/L			10/01/19 05:14	100
Bromomethane	ND		100	69	ug/L			10/01/19 05:14	100
Carbon disulfide	ND		100	19	ug/L			10/01/19 05:14	100
Carbon tetrachloride	ND		100	27	ug/L			10/01/19 05:14	100
Chlorobenzene	190		100	75	ug/L			10/01/19 05:14	100
Bromochloromethane	ND		100	87	ug/L			10/01/19 05:14	100
Chlorodibromomethane	ND		100	32	ug/L			10/01/19 05:14	100
Chloroethane	ND		100	32	ug/L			10/01/19 05:14	100
Chloroform	ND		100	34	ug/L			10/01/19 05:14	100
Chloromethane	ND		100	35	ug/L			10/01/19 05:14	100
cis-1,2-Dichloroethene	2200		100	81	ug/L			10/01/19 05:14	100
Bromodichloromethane	ND		100	39	ug/L			10/01/19 05:14	100
Dichlorodifluoromethane	ND		100	68	ug/L			10/01/19 05:14	100
Ethylbenzene	ND		100	74	ug/L			10/01/19 05:14	100
1,2-Dibromoethane	ND		100	73	ug/L			10/01/19 05:14	100
Hexachlorobutadiene	ND		200	28	ug/L			10/01/19 05:14	100
Isopropylbenzene	ND		100	79	ug/L			10/01/19 05:14	100
Methyl tert-butyl ether	ND		100	16	ug/L			10/01/19 05:14	100
Methylene Chloride	140		100	44	ug/L			10/01/19 05:14	100
m-Xylene & p-Xylene	ND		200	66	ug/L			10/01/19 05:14	100

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-105B

Lab Sample ID: 480-159830-25

Date Collected: 09/25/19 12:37

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		100	43	ug/L			10/01/19 05:14	100
n-Butylbenzene	ND		100	64	ug/L			10/01/19 05:14	100
N-Propylbenzene	ND		100	69	ug/L			10/01/19 05:14	100
o-Xylene	ND		100	76	ug/L			10/01/19 05:14	100
sec-Butylbenzene	ND		100	75	ug/L			10/01/19 05:14	100
Tetrachloroethene	2900		100	36	ug/L			10/01/19 05:14	100
Toluene	ND		100	51	ug/L			10/01/19 05:14	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			10/01/19 05:14	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			10/01/19 05:14	100
Trichloroethene	6700		100	46	ug/L			10/01/19 05:14	100
Trichlorofluoromethane	ND		100	88	ug/L			10/01/19 05:14	100
Vinyl acetate	ND		500	85	ug/L			10/01/19 05:14	100
Vinyl chloride	170		100	90	ug/L			10/01/19 05:14	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			10/01/19 05:14	100
Styrene	ND		100	73	ug/L			10/01/19 05:14	100
tert-Butylbenzene	ND		100	81	ug/L			10/01/19 05:14	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		10/01/19 05:14	100
4-Bromofluorobenzene (Surr)	104		73 - 120		10/01/19 05:14	100
Toluene-d8 (Surr)	103		80 - 120		10/01/19 05:14	100
Dibromofluoromethane (Surr)	111		75 - 123		10/01/19 05:14	100

Client Sample ID: MW-4C

Lab Sample ID: 480-159830-26

Date Collected: 09/25/19 15:10

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		400	140	ug/L			09/29/19 03:10	400
1,1,1-Trichloroethane	ND		400	330	ug/L			09/29/19 03:10	400
1,1,2,2-Tetrachloroethane	ND		400	84	ug/L			09/29/19 03:10	400
1,1,2-Trichloroethane	ND		400	92	ug/L			09/29/19 03:10	400
1,1-Dichloroethane	ND		400	150	ug/L			09/29/19 03:10	400
1,1-Dichloroethene	120 J		400	120	ug/L			09/29/19 03:10	400
1,1-Dichloropropene	ND		400	290	ug/L			09/29/19 03:10	400
1,2,3-Trichlorobenzene	ND		400	160	ug/L			09/29/19 03:10	400
1,2,3-Trichloropropane	ND		400	360	ug/L			09/29/19 03:10	400
1,2,4-Trichlorobenzene	370 J		400	160	ug/L			09/29/19 03:10	400
1,2,4-Trimethylbenzene	ND		400	300	ug/L			09/29/19 03:10	400
1,2-Dibromo-3-Chloropropane	ND		400	160	ug/L			09/29/19 03:10	400
1,2-Dichlorobenzene	990		400	320	ug/L			09/29/19 03:10	400
1,2-Dichloroethane	ND		400	84	ug/L			09/29/19 03:10	400
1,2-Dichloropropane	ND		400	290	ug/L			09/29/19 03:10	400
1,3,5-Trimethylbenzene	ND		400	310	ug/L			09/29/19 03:10	400
1,3-Dichlorobenzene	ND		400	310	ug/L			09/29/19 03:10	400
1,3-Dichloropropane	ND		400	300	ug/L			09/29/19 03:10	400
1,4-Dichlorobenzene	630		400	340	ug/L			09/29/19 03:10	400
2,2-Dichloropropane	ND		400	160	ug/L			09/29/19 03:10	400
2-Butanone (MEK)	ND		4000	530	ug/L			09/29/19 03:10	400

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-4C

Lab Sample ID: 480-159830-26

Date Collected: 09/25/19 15:10

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloroethyl vinyl ether	ND		2000	380	ug/L			09/29/19 03:10	400
o-Chlorotoluene	ND		400	340	ug/L			09/29/19 03:10	400
2-Hexanone	ND		2000	500	ug/L			09/29/19 03:10	400
p-Chlorotoluene	ND		400	340	ug/L			09/29/19 03:10	400
p-Cymene	ND		400	120	ug/L			09/29/19 03:10	400
4-Methyl-2-pentanone (MIBK)	ND		2000	840	ug/L			09/29/19 03:10	400
Acetone	ND		4000	1200	ug/L			09/29/19 03:10	400
Benzene	4400		400	160	ug/L			09/29/19 03:10	400
Bromobenzene	ND		400	320	ug/L			09/29/19 03:10	400
Bromoform	ND		400	100	ug/L			09/29/19 03:10	400
Bromomethane	ND		400	280	ug/L			09/29/19 03:10	400
Carbon disulfide	ND		400	76	ug/L			09/29/19 03:10	400
Carbon tetrachloride	ND		400	110	ug/L			09/29/19 03:10	400
Chlorobenzene	4900		400	300	ug/L			09/29/19 03:10	400
Bromochloromethane	ND		400	350	ug/L			09/29/19 03:10	400
Chlorodibromomethane	ND		400	130	ug/L			09/29/19 03:10	400
Chloroethane	ND		400	130	ug/L			09/29/19 03:10	400
Chloroform	ND		400	140	ug/L			09/29/19 03:10	400
Chloromethane	ND		400	140	ug/L			09/29/19 03:10	400
cis-1,2-Dichloroethene	29000		400	320	ug/L			09/29/19 03:10	400
Bromodichloromethane	ND		400	160	ug/L			09/29/19 03:10	400
Dichlorodifluoromethane	ND	F1 *	400	270	ug/L			09/29/19 03:10	400
Ethylbenzene	ND		400	300	ug/L			09/29/19 03:10	400
1,2-Dibromoethane	ND		400	290	ug/L			09/29/19 03:10	400
Hexachlorobutadiene	ND		800	110	ug/L			09/29/19 03:10	400
Isopropylbenzene	ND		400	320	ug/L			09/29/19 03:10	400
Methyl tert-butyl ether	ND		400	64	ug/L			09/29/19 03:10	400
Methylene Chloride	310 J		400	180	ug/L			09/29/19 03:10	400
m-Xylene & p-Xylene	ND		800	260	ug/L			09/29/19 03:10	400
Naphthalene	ND		400	170	ug/L			09/29/19 03:10	400
n-Butylbenzene	ND		400	260	ug/L			09/29/19 03:10	400
N-Propylbenzene	ND		400	280	ug/L			09/29/19 03:10	400
o-Xylene	ND		400	300	ug/L			09/29/19 03:10	400
sec-Butylbenzene	ND		400	300	ug/L			09/29/19 03:10	400
Tetrachloroethene	400		400	140	ug/L			09/29/19 03:10	400
Toluene	ND		400	200	ug/L			09/29/19 03:10	400
trans-1,2-Dichloroethene	450		400	360	ug/L			09/29/19 03:10	400
trans-1,3-Dichloropropene	ND		400	150	ug/L			09/29/19 03:10	400
Trichloroethene	410		400	180	ug/L			09/29/19 03:10	400
Trichlorofluoromethane	ND		400	350	ug/L			09/29/19 03:10	400
Vinyl acetate	ND		2000	340	ug/L			09/29/19 03:10	400
Vinyl chloride	2200		400	360	ug/L			09/29/19 03:10	400
cis-1,3-Dichloropropene	ND		400	140	ug/L			09/29/19 03:10	400
Styrene	ND		400	290	ug/L			09/29/19 03:10	400
tert-Butylbenzene	ND		400	320	ug/L			09/29/19 03:10	400

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		09/29/19 03:10	400
4-Bromofluorobenzene (Surr)	112		73 - 120		09/29/19 03:10	400
Toluene-d8 (Surr)	112		80 - 120		09/29/19 03:10	400

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-4C

Lab Sample ID: 480-159830-26

Date Collected: 09/25/19 15:10

Matrix: Water

Date Received: 09/26/19 12:15

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	115		75 - 123		09/29/19 03:10	400

Client Sample ID: OW-8B

Lab Sample ID: 480-159830-27

Date Collected: 09/25/19 13:20

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.70	ug/L			09/29/19 03:33	2
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			09/29/19 03:33	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			09/29/19 03:33	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			09/29/19 03:33	2
1,1-Dichloroethane	2.2		2.0	0.76	ug/L			09/29/19 03:33	2
1,1-Dichloroethene	1.5 J		2.0	0.58	ug/L			09/29/19 03:33	2
1,1-Dichloropropene	ND		2.0	1.4	ug/L			09/29/19 03:33	2
1,2,3-Trichlorobenzene	ND		2.0	0.82	ug/L			09/29/19 03:33	2
1,2,3-Trichloropropane	ND		2.0	1.8	ug/L			09/29/19 03:33	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			09/29/19 03:33	2
1,2,4-Trimethylbenzene	ND		2.0	1.5	ug/L			09/29/19 03:33	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			09/29/19 03:33	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			09/29/19 03:33	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			09/29/19 03:33	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			09/29/19 03:33	2
1,3,5-Trimethylbenzene	ND		2.0	1.5	ug/L			09/29/19 03:33	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			09/29/19 03:33	2
1,3-Dichloropropane	ND		2.0	1.5	ug/L			09/29/19 03:33	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			09/29/19 03:33	2
2,2-Dichloropropane	ND		2.0	0.80	ug/L			09/29/19 03:33	2
2-Butanone (MEK)	ND		20	2.6	ug/L			09/29/19 03:33	2
2-Chloroethyl vinyl ether	ND		10	1.9	ug/L			09/29/19 03:33	2
o-Chlorotoluene	ND		2.0	1.7	ug/L			09/29/19 03:33	2
2-Hexanone	ND		10	2.5	ug/L			09/29/19 03:33	2
p-Chlorotoluene	ND		2.0	1.7	ug/L			09/29/19 03:33	2
p-Cymene	ND		2.0	0.62	ug/L			09/29/19 03:33	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			09/29/19 03:33	2
Acetone	ND		20	6.0	ug/L			09/29/19 03:33	2
Benzene	ND		2.0	0.82	ug/L			09/29/19 03:33	2
Bromobenzene	ND		2.0	1.6	ug/L			09/29/19 03:33	2
Bromoform	ND		2.0	0.52	ug/L			09/29/19 03:33	2
Bromomethane	ND		2.0	1.4	ug/L			09/29/19 03:33	2
Carbon disulfide	ND		2.0	0.38	ug/L			09/29/19 03:33	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			09/29/19 03:33	2
Chlorobenzene	ND		2.0	1.5	ug/L			09/29/19 03:33	2
Bromochloromethane	ND		2.0	1.7	ug/L			09/29/19 03:33	2
Chlorodibromomethane	ND		2.0	0.64	ug/L			09/29/19 03:33	2
Chloroethane	ND		2.0	0.64	ug/L			09/29/19 03:33	2
Chloroform	ND		2.0	0.68	ug/L			09/29/19 03:33	2
Chloromethane	ND		2.0	0.70	ug/L			09/29/19 03:33	2
cis-1,2-Dichloroethene	19		2.0	1.6	ug/L			09/29/19 03:33	2

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-8B

Lab Sample ID: 480-159830-27

Date Collected: 09/25/19 13:20

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		2.0	0.78	ug/L			09/29/19 03:33	2
Dichlorodifluoromethane	ND	*	2.0	1.4	ug/L			09/29/19 03:33	2
Ethylbenzene	ND		2.0	1.5	ug/L			09/29/19 03:33	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			09/29/19 03:33	2
Hexachlorobutadiene	ND		4.0	0.56	ug/L			09/29/19 03:33	2
Isopropylbenzene	ND		2.0	1.6	ug/L			09/29/19 03:33	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			09/29/19 03:33	2
Methylene Chloride	3.5		2.0	0.88	ug/L			09/29/19 03:33	2
m-Xylene & p-Xylene	ND		4.0	1.3	ug/L			09/29/19 03:33	2
Naphthalene	ND		2.0	0.86	ug/L			09/29/19 03:33	2
n-Butylbenzene	ND		2.0	1.3	ug/L			09/29/19 03:33	2
N-Propylbenzene	ND		2.0	1.4	ug/L			09/29/19 03:33	2
o-Xylene	ND		2.0	1.5	ug/L			09/29/19 03:33	2
sec-Butylbenzene	ND		2.0	1.5	ug/L			09/29/19 03:33	2
Tetrachloroethene	ND		2.0	0.72	ug/L			09/29/19 03:33	2
Toluene	ND		2.0	1.0	ug/L			09/29/19 03:33	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			09/29/19 03:33	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			09/29/19 03:33	2
Trichloroethene	66		2.0	0.92	ug/L			09/29/19 03:33	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			09/29/19 03:33	2
Vinyl acetate	ND		10	1.7	ug/L			09/29/19 03:33	2
Vinyl chloride	ND		2.0	1.8	ug/L			09/29/19 03:33	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			09/29/19 03:33	2
Styrene	ND		2.0	1.5	ug/L			09/29/19 03:33	2
tert-Butylbenzene	ND		2.0	1.6	ug/L			09/29/19 03:33	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		09/29/19 03:33	2
4-Bromofluorobenzene (Surr)	111		73 - 120		09/29/19 03:33	2
Toluene-d8 (Surr)	112		80 - 120		09/29/19 03:33	2
Dibromofluoromethane (Surr)	114		75 - 123		09/29/19 03:33	2

Client Sample ID: OW-12A

Lab Sample ID: 480-159830-28

Date Collected: 09/25/19 14:10

Matrix: Water

Date Received: 09/26/19 12:15

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		130	44	ug/L			09/29/19 03:56	125
1,1,1-Trichloroethane	ND		130	100	ug/L			09/29/19 03:56	125
1,1,2,2-Tetrachloroethane	ND		130	26	ug/L			09/29/19 03:56	125
1,1,2-Trichloroethane	ND		130	29	ug/L			09/29/19 03:56	125
1,1-Dichloroethane	ND		130	48	ug/L			09/29/19 03:56	125
1,1-Dichloroethene	ND		130	36	ug/L			09/29/19 03:56	125
1,1-Dichloropropene	ND		130	90	ug/L			09/29/19 03:56	125
1,2,3-Trichlorobenzene	ND		130	51	ug/L			09/29/19 03:56	125
1,2,3-Trichloropropane	ND		130	110	ug/L			09/29/19 03:56	125
1,2,4-Trichlorobenzene	150		130	51	ug/L			09/29/19 03:56	125
1,2,4-Trimethylbenzene	ND		130	94	ug/L			09/29/19 03:56	125
1,2-Dibromo-3-Chloropropane	ND		130	49	ug/L			09/29/19 03:56	125

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-12A

Lab Sample ID: 480-159830-28

Date Collected: 09/25/19 14:10

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	7600		130	99	ug/L			09/29/19 03:56	125
1,2-Dichloroethane	ND		130	26	ug/L			09/29/19 03:56	125
1,2-Dichloropropane	ND		130	90	ug/L			09/29/19 03:56	125
1,3,5-Trimethylbenzene	ND		130	96	ug/L			09/29/19 03:56	125
1,3-Dichlorobenzene	1100		130	98	ug/L			09/29/19 03:56	125
1,3-Dichloropropane	ND		130	94	ug/L			09/29/19 03:56	125
1,4-Dichlorobenzene	4400		130	110	ug/L			09/29/19 03:56	125
2,2-Dichloropropane	ND		130	50	ug/L			09/29/19 03:56	125
2-Butanone (MEK)	ND		1300	170	ug/L			09/29/19 03:56	125
2-Chloroethyl vinyl ether	ND		630	120	ug/L			09/29/19 03:56	125
o-Chlorotoluene	ND		130	110	ug/L			09/29/19 03:56	125
2-Hexanone	ND		630	160	ug/L			09/29/19 03:56	125
p-Chlorotoluene	ND		130	110	ug/L			09/29/19 03:56	125
p-Cymene	ND		130	39	ug/L			09/29/19 03:56	125
4-Methyl-2-pentanone (MIBK)	ND		630	260	ug/L			09/29/19 03:56	125
Acetone	ND		1300	380	ug/L			09/29/19 03:56	125
Benzene	86 J		130	51	ug/L			09/29/19 03:56	125
Bromobenzene	ND		130	100	ug/L			09/29/19 03:56	125
Bromoform	ND		130	33	ug/L			09/29/19 03:56	125
Bromomethane	ND		130	86	ug/L			09/29/19 03:56	125
Carbon disulfide	ND		130	24	ug/L			09/29/19 03:56	125
Carbon tetrachloride	ND		130	34	ug/L			09/29/19 03:56	125
Chlorobenzene	4100		130	94	ug/L			09/29/19 03:56	125
Bromochloromethane	ND		130	110	ug/L			09/29/19 03:56	125
Chlorodibromomethane	ND		130	40	ug/L			09/29/19 03:56	125
Chloroethane	ND		130	40	ug/L			09/29/19 03:56	125
Chloroform	ND		130	43	ug/L			09/29/19 03:56	125
Chloromethane	ND		130	44	ug/L			09/29/19 03:56	125
cis-1,2-Dichloroethene	ND		130	100	ug/L			09/29/19 03:56	125
Bromodichloromethane	ND		130	49	ug/L			09/29/19 03:56	125
Dichlorodifluoromethane	ND *		130	85	ug/L			09/29/19 03:56	125
Ethylbenzene	ND		130	93	ug/L			09/29/19 03:56	125
1,2-Dibromoethane	ND		130	91	ug/L			09/29/19 03:56	125
Hexachlorobutadiene	ND		250	35	ug/L			09/29/19 03:56	125
Isopropylbenzene	ND		130	99	ug/L			09/29/19 03:56	125
Methyl tert-butyl ether	ND		130	20	ug/L			09/29/19 03:56	125
Methylene Chloride	89 J		130	55	ug/L			09/29/19 03:56	125
m-Xylene & p-Xylene	ND		250	83	ug/L			09/29/19 03:56	125
Naphthalene	ND		130	54	ug/L			09/29/19 03:56	125
n-Butylbenzene	ND		130	80	ug/L			09/29/19 03:56	125
N-Propylbenzene	ND		130	86	ug/L			09/29/19 03:56	125
o-Xylene	ND		130	95	ug/L			09/29/19 03:56	125
sec-Butylbenzene	ND		130	94	ug/L			09/29/19 03:56	125
Tetrachloroethene	ND		130	45	ug/L			09/29/19 03:56	125
Toluene	ND		130	64	ug/L			09/29/19 03:56	125
trans-1,2-Dichloroethene	ND		130	110	ug/L			09/29/19 03:56	125
trans-1,3-Dichloropropene	ND		130	46	ug/L			09/29/19 03:56	125
Trichloroethene	ND		130	58	ug/L			09/29/19 03:56	125
Trichlorofluoromethane	ND		130	110	ug/L			09/29/19 03:56	125

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-12A

Lab Sample ID: 480-159830-28

Date Collected: 09/25/19 14:10

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	ND		630	110	ug/L			09/29/19 03:56	125
Vinyl chloride	ND		130	110	ug/L			09/29/19 03:56	125
cis-1,3-Dichloropropene	ND		130	45	ug/L			09/29/19 03:56	125
Styrene	ND		130	91	ug/L			09/29/19 03:56	125
tert-Butylbenzene	ND		130	100	ug/L			09/29/19 03:56	125

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		09/29/19 03:56	125
4-Bromofluorobenzene (Surr)	113		73 - 120		09/29/19 03:56	125
Toluene-d8 (Surr)	113		80 - 120		09/29/19 03:56	125
Dibromofluoromethane (Surr)	113		75 - 123		09/29/19 03:56	125

Client Sample ID: MW-1B

Lab Sample ID: 480-159830-29

Date Collected: 09/25/19 14:22

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200	70	ug/L			09/29/19 04:19	200
1,1,1-Trichloroethane	ND		200	160	ug/L			09/29/19 04:19	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			09/29/19 04:19	200
1,1,2-Trichloroethane	ND		200	46	ug/L			09/29/19 04:19	200
1,1-Dichloroethane	ND		200	76	ug/L			09/29/19 04:19	200
1,1-Dichloroethene	ND		200	58	ug/L			09/29/19 04:19	200
1,1-Dichloropropene	ND		200	140	ug/L			09/29/19 04:19	200
1,2,3-Trichlorobenzene	130	J	200	82	ug/L			09/29/19 04:19	200
1,2,3-Trichloropropane	ND		200	180	ug/L			09/29/19 04:19	200
1,2,4-Trichlorobenzene	360		200	82	ug/L			09/29/19 04:19	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			09/29/19 04:19	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			09/29/19 04:19	200
1,2-Dichlorobenzene	2500		200	160	ug/L			09/29/19 04:19	200
1,2-Dichloroethane	ND		200	42	ug/L			09/29/19 04:19	200
1,2-Dichloropropane	ND		200	140	ug/L			09/29/19 04:19	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			09/29/19 04:19	200
1,3-Dichlorobenzene	2100		200	160	ug/L			09/29/19 04:19	200
1,3-Dichloropropane	ND		200	150	ug/L			09/29/19 04:19	200
1,4-Dichlorobenzene	10000		200	170	ug/L			09/29/19 04:19	200
2,2-Dichloropropane	ND		200	80	ug/L			09/29/19 04:19	200
2-Butanone (MEK)	ND		2000	260	ug/L			09/29/19 04:19	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			09/29/19 04:19	200
o-Chlorotoluene	ND		200	170	ug/L			09/29/19 04:19	200
2-Hexanone	ND		1000	250	ug/L			09/29/19 04:19	200
p-Chlorotoluene	ND		200	170	ug/L			09/29/19 04:19	200
p-Cymene	ND		200	62	ug/L			09/29/19 04:19	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			09/29/19 04:19	200
Acetone	ND		2000	600	ug/L			09/29/19 04:19	200
Benzene	340		200	82	ug/L			09/29/19 04:19	200
Bromobenzene	ND		200	160	ug/L			09/29/19 04:19	200
Bromoform	ND		200	52	ug/L			09/29/19 04:19	200
Bromomethane	ND		200	140	ug/L			09/29/19 04:19	200

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-1B

Lab Sample ID: 480-159830-29

Date Collected: 09/25/19 14:22

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		200	38	ug/L			09/29/19 04:19	200
Carbon tetrachloride	ND		200	54	ug/L			09/29/19 04:19	200
Chlorobenzene	36000	E	200	150	ug/L			09/29/19 04:19	200
Bromochloromethane	ND		200	170	ug/L			09/29/19 04:19	200
Chlorodibromomethane	ND		200	64	ug/L			09/29/19 04:19	200
Chloroethane	ND		200	64	ug/L			09/29/19 04:19	200
Chloroform	ND		200	68	ug/L			09/29/19 04:19	200
Chloromethane	ND		200	70	ug/L			09/29/19 04:19	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			09/29/19 04:19	200
Bromodichloromethane	ND		200	78	ug/L			09/29/19 04:19	200
Dichlorodifluoromethane	ND	*	200	140	ug/L			09/29/19 04:19	200
Ethylbenzene	ND		200	150	ug/L			09/29/19 04:19	200
1,2-Dibromoethane	ND		200	150	ug/L			09/29/19 04:19	200
Hexachlorobutadiene	ND		400	56	ug/L			09/29/19 04:19	200
Isopropylbenzene	ND		200	160	ug/L			09/29/19 04:19	200
Methyl tert-butyl ether	ND		200	32	ug/L			09/29/19 04:19	200
Methylene Chloride	150	J	200	88	ug/L			09/29/19 04:19	200
m-Xylene & p-Xylene	ND		400	130	ug/L			09/29/19 04:19	200
Naphthalene	ND		200	86	ug/L			09/29/19 04:19	200
n-Butylbenzene	ND		200	130	ug/L			09/29/19 04:19	200
N-Propylbenzene	ND		200	140	ug/L			09/29/19 04:19	200
o-Xylene	ND		200	150	ug/L			09/29/19 04:19	200
sec-Butylbenzene	ND		200	150	ug/L			09/29/19 04:19	200
Tetrachloroethene	ND		200	72	ug/L			09/29/19 04:19	200
Toluene	ND		200	100	ug/L			09/29/19 04:19	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			09/29/19 04:19	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			09/29/19 04:19	200
Trichloroethene	ND		200	92	ug/L			09/29/19 04:19	200
Trichlorofluoromethane	ND		200	180	ug/L			09/29/19 04:19	200
Vinyl acetate	ND		1000	170	ug/L			09/29/19 04:19	200
Vinyl chloride	ND		200	180	ug/L			09/29/19 04:19	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			09/29/19 04:19	200
Styrene	ND		200	150	ug/L			09/29/19 04:19	200
tert-Butylbenzene	ND		200	160	ug/L			09/29/19 04:19	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		09/29/19 04:19	200
4-Bromofluorobenzene (Surr)	115		73 - 120		09/29/19 04:19	200
Toluene-d8 (Surr)	113		80 - 120		09/29/19 04:19	200
Dibromofluoromethane (Surr)	116		75 - 123		09/29/19 04:19	200

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		500	180	ug/L			10/01/19 05:38	500
1,1,1-Trichloroethane	ND		500	410	ug/L			10/01/19 05:38	500
1,1,2,2-Tetrachloroethane	ND		500	110	ug/L			10/01/19 05:38	500
1,1,2-Trichloroethane	ND		500	120	ug/L			10/01/19 05:38	500
1,1-Dichloroethane	ND		500	190	ug/L			10/01/19 05:38	500
1,1-Dichloroethene	ND		500	150	ug/L			10/01/19 05:38	500
1,1-Dichloropropene	ND		500	360	ug/L			10/01/19 05:38	500

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-1B

Lab Sample ID: 480-159830-29

Date Collected: 09/25/19 14:22

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND		500	210	ug/L			10/01/19 05:38	500
1,2,3-Trichloropropane	ND		500	450	ug/L			10/01/19 05:38	500
1,2,4-Trichlorobenzene	ND		500	210	ug/L			10/01/19 05:38	500
1,2,4-Trimethylbenzene	ND		500	380	ug/L			10/01/19 05:38	500
1,2-Dibromo-3-Chloropropane	ND		500	200	ug/L			10/01/19 05:38	500
1,2-Dichlorobenzene	2200		500	400	ug/L			10/01/19 05:38	500
1,2-Dichloroethane	ND		500	110	ug/L			10/01/19 05:38	500
1,2-Dichloropropane	ND		500	360	ug/L			10/01/19 05:38	500
1,3,5-Trimethylbenzene	ND		500	390	ug/L			10/01/19 05:38	500
1,3-Dichlorobenzene	1900		500	390	ug/L			10/01/19 05:38	500
1,3-Dichloropropane	ND		500	380	ug/L			10/01/19 05:38	500
1,4-Dichlorobenzene	8800		500	420	ug/L			10/01/19 05:38	500
2,2-Dichloropropane	ND		500	200	ug/L			10/01/19 05:38	500
2-Butanone (MEK)	ND		5000	660	ug/L			10/01/19 05:38	500
2-Chloroethyl vinyl ether	ND		2500	480	ug/L			10/01/19 05:38	500
o-Chlorotoluene	ND		500	430	ug/L			10/01/19 05:38	500
2-Hexanone	ND		2500	620	ug/L			10/01/19 05:38	500
p-Chlorotoluene	ND		500	420	ug/L			10/01/19 05:38	500
p-Cymene	ND		500	160	ug/L			10/01/19 05:38	500
4-Methyl-2-pentanone (MIBK)	ND		2500	1100	ug/L			10/01/19 05:38	500
Acetone	ND		5000	1500	ug/L			10/01/19 05:38	500
Benzene	310 J		500	210	ug/L			10/01/19 05:38	500
Bromobenzene	ND		500	400	ug/L			10/01/19 05:38	500
Bromoform	ND		500	130	ug/L			10/01/19 05:38	500
Bromomethane	ND		500	350	ug/L			10/01/19 05:38	500
Carbon disulfide	ND		500	95	ug/L			10/01/19 05:38	500
Carbon tetrachloride	ND		500	140	ug/L			10/01/19 05:38	500
Chlorobenzene	32000		500	380	ug/L			10/01/19 05:38	500
Bromochloromethane	ND		500	440	ug/L			10/01/19 05:38	500
Chlorodibromomethane	ND		500	160	ug/L			10/01/19 05:38	500
Chloroethane	ND		500	160	ug/L			10/01/19 05:38	500
Chloroform	ND		500	170	ug/L			10/01/19 05:38	500
Chloromethane	ND		500	180	ug/L			10/01/19 05:38	500
cis-1,2-Dichloroethene	ND		500	410	ug/L			10/01/19 05:38	500
Bromodichloromethane	ND		500	200	ug/L			10/01/19 05:38	500
Dichlorodifluoromethane	ND		500	340	ug/L			10/01/19 05:38	500
Ethylbenzene	ND		500	370	ug/L			10/01/19 05:38	500
1,2-Dibromoethane	ND		500	370	ug/L			10/01/19 05:38	500
Hexachlorobutadiene	ND		1000	140	ug/L			10/01/19 05:38	500
Isopropylbenzene	ND		500	400	ug/L			10/01/19 05:38	500
Methyl tert-butyl ether	ND		500	80	ug/L			10/01/19 05:38	500
Methylene Chloride	640		500	220	ug/L			10/01/19 05:38	500
m-Xylene & p-Xylene	ND		1000	330	ug/L			10/01/19 05:38	500
Naphthalene	ND		500	220	ug/L			10/01/19 05:38	500
n-Butylbenzene	ND		500	320	ug/L			10/01/19 05:38	500
N-Propylbenzene	ND		500	350	ug/L			10/01/19 05:38	500
o-Xylene	ND		500	380	ug/L			10/01/19 05:38	500
sec-Butylbenzene	ND		500	380	ug/L			10/01/19 05:38	500
Tetrachloroethene	ND		500	180	ug/L			10/01/19 05:38	500

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-1B

Lab Sample ID: 480-159830-29

Date Collected: 09/25/19 14:22

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		500	260	ug/L			10/01/19 05:38	500
trans-1,2-Dichloroethene	ND		500	450	ug/L			10/01/19 05:38	500
trans-1,3-Dichloropropene	ND		500	190	ug/L			10/01/19 05:38	500
Trichloroethene	ND		500	230	ug/L			10/01/19 05:38	500
Trichlorofluoromethane	ND		500	440	ug/L			10/01/19 05:38	500
Vinyl acetate	ND		2500	430	ug/L			10/01/19 05:38	500
Vinyl chloride	ND		500	450	ug/L			10/01/19 05:38	500
cis-1,3-Dichloropropene	ND		500	180	ug/L			10/01/19 05:38	500
Styrene	ND		500	370	ug/L			10/01/19 05:38	500
tert-Butylbenzene	ND		500	410	ug/L			10/01/19 05:38	500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120					10/01/19 05:38	500
4-Bromofluorobenzene (Surr)	107		73 - 120					10/01/19 05:38	500
Toluene-d8 (Surr)	101		80 - 120					10/01/19 05:38	500
Dibromofluoromethane (Surr)	111		75 - 123					10/01/19 05:38	500

Client Sample ID: MW-1C

Lab Sample ID: 480-159830-30

Date Collected: 09/25/19 14:32

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		50	18	ug/L			09/29/19 04:42	50
1,1,1-Trichloroethane	ND		50	41	ug/L			09/29/19 04:42	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			09/29/19 04:42	50
1,1,2-Trichloroethane	ND		50	12	ug/L			09/29/19 04:42	50
1,1-Dichloroethane	ND		50	19	ug/L			09/29/19 04:42	50
1,1-Dichloroethene	ND		50	15	ug/L			09/29/19 04:42	50
1,1-Dichloropropene	ND		50	36	ug/L			09/29/19 04:42	50
1,2,3-Trichlorobenzene	ND		50	21	ug/L			09/29/19 04:42	50
1,2,3-Trichloropropane	ND		50	45	ug/L			09/29/19 04:42	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			09/29/19 04:42	50
1,2,4-Trimethylbenzene	ND		50	38	ug/L			09/29/19 04:42	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			09/29/19 04:42	50
1,2-Dichlorobenzene	ND		50	40	ug/L			09/29/19 04:42	50
1,2-Dichloroethane	ND		50	11	ug/L			09/29/19 04:42	50
1,2-Dichloropropane	ND		50	36	ug/L			09/29/19 04:42	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			09/29/19 04:42	50
1,3-Dichlorobenzene	ND		50	39	ug/L			09/29/19 04:42	50
1,3-Dichloropropane	ND		50	38	ug/L			09/29/19 04:42	50
1,4-Dichlorobenzene	ND		50	42	ug/L			09/29/19 04:42	50
2,2-Dichloropropane	ND		50	20	ug/L			09/29/19 04:42	50
2-Butanone (MEK)	ND		500	66	ug/L			09/29/19 04:42	50
2-Chloroethyl vinyl ether	ND		250	48	ug/L			09/29/19 04:42	50
o-Chlorotoluene	ND		50	43	ug/L			09/29/19 04:42	50
2-Hexanone	ND		250	62	ug/L			09/29/19 04:42	50
p-Chlorotoluene	ND		50	42	ug/L			09/29/19 04:42	50
p-Cymene	ND		50	16	ug/L			09/29/19 04:42	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			09/29/19 04:42	50

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-1C

Lab Sample ID: 480-159830-30

Date Collected: 09/25/19 14:32

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		500	150	ug/L			09/29/19 04:42	50
Benzene	770		50	21	ug/L			09/29/19 04:42	50
Bromobenzene	ND		50	40	ug/L			09/29/19 04:42	50
Bromoform	ND		50	13	ug/L			09/29/19 04:42	50
Bromomethane	ND		50	35	ug/L			09/29/19 04:42	50
Carbon disulfide	ND		50	9.5	ug/L			09/29/19 04:42	50
Carbon tetrachloride	ND		50	14	ug/L			09/29/19 04:42	50
Chlorobenzene	ND		50	38	ug/L			09/29/19 04:42	50
Bromochloromethane	ND		50	44	ug/L			09/29/19 04:42	50
Chlorodibromomethane	ND		50	16	ug/L			09/29/19 04:42	50
Chloroethane	ND		50	16	ug/L			09/29/19 04:42	50
Chloroform	ND		50	17	ug/L			09/29/19 04:42	50
Chloromethane	ND		50	18	ug/L			09/29/19 04:42	50
cis-1,2-Dichloroethene	3600		50	41	ug/L			09/29/19 04:42	50
Bromodichloromethane	ND		50	20	ug/L			09/29/19 04:42	50
Dichlorodifluoromethane	ND	*	50	34	ug/L			09/29/19 04:42	50
Ethylbenzene	ND		50	37	ug/L			09/29/19 04:42	50
1,2-Dibromoethane	ND		50	37	ug/L			09/29/19 04:42	50
Hexachlorobutadiene	ND		100	14	ug/L			09/29/19 04:42	50
Isopropylbenzene	ND		50	40	ug/L			09/29/19 04:42	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			09/29/19 04:42	50
Methylene Chloride	25 J		50	22	ug/L			09/29/19 04:42	50
m-Xylene & p-Xylene	ND		100	33	ug/L			09/29/19 04:42	50
Naphthalene	ND		50	22	ug/L			09/29/19 04:42	50
n-Butylbenzene	ND		50	32	ug/L			09/29/19 04:42	50
N-Propylbenzene	ND		50	35	ug/L			09/29/19 04:42	50
o-Xylene	ND		50	38	ug/L			09/29/19 04:42	50
sec-Butylbenzene	ND		50	38	ug/L			09/29/19 04:42	50
Tetrachloroethene	ND		50	18	ug/L			09/29/19 04:42	50
Toluene	ND		50	26	ug/L			09/29/19 04:42	50
trans-1,2-Dichloroethene	190		50	45	ug/L			09/29/19 04:42	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			09/29/19 04:42	50
Trichloroethene	ND		50	23	ug/L			09/29/19 04:42	50
Trichlorofluoromethane	ND		50	44	ug/L			09/29/19 04:42	50
Vinyl acetate	ND		250	43	ug/L			09/29/19 04:42	50
Vinyl chloride	960		50	45	ug/L			09/29/19 04:42	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			09/29/19 04:42	50
Styrene	ND		50	37	ug/L			09/29/19 04:42	50
tert-Butylbenzene	ND		50	41	ug/L			09/29/19 04:42	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		77 - 120		09/29/19 04:42	50
4-Bromofluorobenzene (Surr)	110		73 - 120		09/29/19 04:42	50
Toluene-d8 (Surr)	112		80 - 120		09/29/19 04:42	50
Dibromofluoromethane (Surr)	116		75 - 123		09/29/19 04:42	50

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-1CD

Lab Sample ID: 480-159830-31

Date Collected: 09/25/19 14:42

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		800	280	ug/L			09/29/19 05:05	800
1,1,1-Trichloroethane	ND		800	660	ug/L			09/29/19 05:05	800
1,1,2,2-Tetrachloroethane	ND		800	170	ug/L			09/29/19 05:05	800
1,1,2-Trichloroethane	ND		800	180	ug/L			09/29/19 05:05	800
1,1-Dichloroethane	ND		800	300	ug/L			09/29/19 05:05	800
1,1-Dichloroethene	ND		800	230	ug/L			09/29/19 05:05	800
1,1-Dichloropropene	ND		800	580	ug/L			09/29/19 05:05	800
1,2,3-Trichlorobenzene	ND		800	330	ug/L			09/29/19 05:05	800
1,2,3-Trichloropropane	ND		800	710	ug/L			09/29/19 05:05	800
1,2,4-Trichlorobenzene	420	J	800	330	ug/L			09/29/19 05:05	800
1,2,4-Trimethylbenzene	ND		800	600	ug/L			09/29/19 05:05	800
1,2-Dibromo-3-Chloropropane	ND		800	310	ug/L			09/29/19 05:05	800
1,2-Dichlorobenzene	18000		800	630	ug/L			09/29/19 05:05	800
1,2-Dichloroethane	ND		800	170	ug/L			09/29/19 05:05	800
1,2-Dichloropropane	ND		800	580	ug/L			09/29/19 05:05	800
1,3,5-Trimethylbenzene	ND		800	620	ug/L			09/29/19 05:05	800
1,3-Dichlorobenzene	2200		800	620	ug/L			09/29/19 05:05	800
1,3-Dichloropropane	ND		800	600	ug/L			09/29/19 05:05	800
1,4-Dichlorobenzene	11000		800	670	ug/L			09/29/19 05:05	800
2,2-Dichloropropane	ND		800	320	ug/L			09/29/19 05:05	800
2-Butanone (MEK)	ND		8000	1100	ug/L			09/29/19 05:05	800
2-Chloroethyl vinyl ether	ND		4000	770	ug/L			09/29/19 05:05	800
o-Chlorotoluene	ND		800	690	ug/L			09/29/19 05:05	800
2-Hexanone	ND		4000	990	ug/L			09/29/19 05:05	800
p-Chlorotoluene	ND		800	670	ug/L			09/29/19 05:05	800
p-Cymene	ND		800	250	ug/L			09/29/19 05:05	800
4-Methyl-2-pentanone (MIBK)	ND		4000	1700	ug/L			09/29/19 05:05	800
Acetone	ND		8000	2400	ug/L			09/29/19 05:05	800
Benzene	5700		800	330	ug/L			09/29/19 05:05	800
Bromobenzene	ND		800	640	ug/L			09/29/19 05:05	800
Bromoform	ND		800	210	ug/L			09/29/19 05:05	800
Bromomethane	ND		800	550	ug/L			09/29/19 05:05	800
Carbon disulfide	ND		800	150	ug/L			09/29/19 05:05	800
Carbon tetrachloride	ND		800	220	ug/L			09/29/19 05:05	800
Chlorobenzene	55000		800	600	ug/L			09/29/19 05:05	800
Bromochloromethane	ND		800	700	ug/L			09/29/19 05:05	800
Chlorodibromomethane	ND		800	260	ug/L			09/29/19 05:05	800
Chloroethane	ND		800	260	ug/L			09/29/19 05:05	800
Chloroform	ND		800	270	ug/L			09/29/19 05:05	800
Chloromethane	ND		800	280	ug/L			09/29/19 05:05	800
cis-1,2-Dichloroethene	9400		800	650	ug/L			09/29/19 05:05	800
Bromodichloromethane	ND		800	310	ug/L			09/29/19 05:05	800
Dichlorodifluoromethane	ND	*	800	540	ug/L			09/29/19 05:05	800
Ethylbenzene	ND		800	590	ug/L			09/29/19 05:05	800
1,2-Dibromoethane	ND		800	580	ug/L			09/29/19 05:05	800
Hexachlorobutadiene	ND		1600	220	ug/L			09/29/19 05:05	800
Isopropylbenzene	ND		800	630	ug/L			09/29/19 05:05	800
Methyl tert-butyl ether	ND		800	130	ug/L			09/29/19 05:05	800
Methylene Chloride	710	J	800	350	ug/L			09/29/19 05:05	800

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-1CD

Lab Sample ID: 480-159830-31

Date Collected: 09/25/19 14:42

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		1600	530	ug/L			09/29/19 05:05	800
Naphthalene	ND		800	340	ug/L			09/29/19 05:05	800
n-Butylbenzene	ND		800	510	ug/L			09/29/19 05:05	800
N-Propylbenzene	ND		800	550	ug/L			09/29/19 05:05	800
o-Xylene	ND		800	610	ug/L			09/29/19 05:05	800
sec-Butylbenzene	ND		800	600	ug/L			09/29/19 05:05	800
Tetrachloroethene	ND		800	290	ug/L			09/29/19 05:05	800
Toluene	ND		800	410	ug/L			09/29/19 05:05	800
trans-1,2-Dichloroethene	ND		800	720	ug/L			09/29/19 05:05	800
trans-1,3-Dichloropropene	ND		800	300	ug/L			09/29/19 05:05	800
Trichloroethene	ND		800	370	ug/L			09/29/19 05:05	800
Trichlorofluoromethane	ND		800	700	ug/L			09/29/19 05:05	800
Vinyl acetate	ND		4000	680	ug/L			09/29/19 05:05	800
Vinyl chloride	1800		800	720	ug/L			09/29/19 05:05	800
cis-1,3-Dichloropropene	ND		800	290	ug/L			09/29/19 05:05	800
Styrene	ND		800	580	ug/L			09/29/19 05:05	800
tert-Butylbenzene	ND		800	650	ug/L			09/29/19 05:05	800

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		09/29/19 05:05	800
4-Bromofluorobenzene (Surr)	114		73 - 120		09/29/19 05:05	800
Toluene-d8 (Surr)	112		80 - 120		09/29/19 05:05	800
Dibromofluoromethane (Surr)	114		75 - 123		09/29/19 05:05	800

Client Sample ID: OW-10B

Lab Sample ID: 480-159830-32

Date Collected: 09/25/19 14:50

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		500	180	ug/L			09/29/19 05:28	500
1,1,1-Trichloroethane	ND		500	410	ug/L			09/29/19 05:28	500
1,1,2,2-Tetrachloroethane	ND		500	110	ug/L			09/29/19 05:28	500
1,1,2-Trichloroethane	ND		500	120	ug/L			09/29/19 05:28	500
1,1-Dichloroethane	ND		500	190	ug/L			09/29/19 05:28	500
1,1-Dichloroethene	ND		500	150	ug/L			09/29/19 05:28	500
1,1-Dichloropropene	ND		500	360	ug/L			09/29/19 05:28	500
1,2,3-Trichlorobenzene	ND		500	210	ug/L			09/29/19 05:28	500
1,2,3-Trichloropropane	ND		500	450	ug/L			09/29/19 05:28	500
1,2,4-Trichlorobenzene	ND		500	210	ug/L			09/29/19 05:28	500
1,2,4-Trimethylbenzene	ND		500	380	ug/L			09/29/19 05:28	500
1,2-Dibromo-3-Chloropropane	ND		500	200	ug/L			09/29/19 05:28	500
1,2-Dichlorobenzene	5700		500	400	ug/L			09/29/19 05:28	500
1,2-Dichloroethane	ND		500	110	ug/L			09/29/19 05:28	500
1,2-Dichloropropane	ND		500	360	ug/L			09/29/19 05:28	500
1,3,5-Trimethylbenzene	ND		500	390	ug/L			09/29/19 05:28	500
1,3-Dichlorobenzene	2400		500	390	ug/L			09/29/19 05:28	500
1,3-Dichloropropane	ND		500	380	ug/L			09/29/19 05:28	500
1,4-Dichlorobenzene	8800		500	420	ug/L			09/29/19 05:28	500
2,2-Dichloropropane	ND		500	200	ug/L			09/29/19 05:28	500

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-10B

Lab Sample ID: 480-159830-32

Date Collected: 09/25/19 14:50

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		5000	660	ug/L			09/29/19 05:28	500
2-Chloroethyl vinyl ether	ND		2500	480	ug/L			09/29/19 05:28	500
o-Chlorotoluene	ND		500	430	ug/L			09/29/19 05:28	500
2-Hexanone	ND		2500	620	ug/L			09/29/19 05:28	500
p-Chlorotoluene	ND		500	420	ug/L			09/29/19 05:28	500
p-Cymene	ND		500	160	ug/L			09/29/19 05:28	500
4-Methyl-2-pentanone (MIBK)	ND		2500	1100	ug/L			09/29/19 05:28	500
Acetone	ND		5000	1500	ug/L			09/29/19 05:28	500
Benzene	1700		500	210	ug/L			09/29/19 05:28	500
Bromobenzene	ND		500	400	ug/L			09/29/19 05:28	500
Bromoform	ND		500	130	ug/L			09/29/19 05:28	500
Bromomethane	ND		500	350	ug/L			09/29/19 05:28	500
Carbon disulfide	ND		500	95	ug/L			09/29/19 05:28	500
Carbon tetrachloride	ND		500	140	ug/L			09/29/19 05:28	500
Chlorobenzene	23000		500	380	ug/L			09/29/19 05:28	500
Bromochloromethane	ND		500	440	ug/L			09/29/19 05:28	500
Chlorodibromomethane	ND		500	160	ug/L			09/29/19 05:28	500
Chloroethane	ND		500	160	ug/L			09/29/19 05:28	500
Chloroform	ND		500	170	ug/L			09/29/19 05:28	500
Chloromethane	ND		500	180	ug/L			09/29/19 05:28	500
cis-1,2-Dichloroethene	ND		500	410	ug/L			09/29/19 05:28	500
Bromodichloromethane	ND		500	200	ug/L			09/29/19 05:28	500
Dichlorodifluoromethane	ND *		500	340	ug/L			09/29/19 05:28	500
Ethylbenzene	ND		500	370	ug/L			09/29/19 05:28	500
1,2-Dibromoethane	ND		500	370	ug/L			09/29/19 05:28	500
Hexachlorobutadiene	ND		1000	140	ug/L			09/29/19 05:28	500
Isopropylbenzene	ND		500	400	ug/L			09/29/19 05:28	500
Methyl tert-butyl ether	ND		500	80	ug/L			09/29/19 05:28	500
Methylene Chloride	340 J		500	220	ug/L			09/29/19 05:28	500
m-Xylene & p-Xylene	ND		1000	330	ug/L			09/29/19 05:28	500
Naphthalene	ND		500	220	ug/L			09/29/19 05:28	500
n-Butylbenzene	ND		500	320	ug/L			09/29/19 05:28	500
N-Propylbenzene	ND		500	350	ug/L			09/29/19 05:28	500
o-Xylene	ND		500	380	ug/L			09/29/19 05:28	500
sec-Butylbenzene	ND		500	380	ug/L			09/29/19 05:28	500
Tetrachloroethene	ND		500	180	ug/L			09/29/19 05:28	500
Toluene	ND		500	260	ug/L			09/29/19 05:28	500
trans-1,2-Dichloroethene	ND		500	450	ug/L			09/29/19 05:28	500
trans-1,3-Dichloropropene	ND		500	190	ug/L			09/29/19 05:28	500
Trichloroethene	ND		500	230	ug/L			09/29/19 05:28	500
Trichlorofluoromethane	ND		500	440	ug/L			09/29/19 05:28	500
Vinyl acetate	ND		2500	430	ug/L			09/29/19 05:28	500
Vinyl chloride	ND		500	450	ug/L			09/29/19 05:28	500
cis-1,3-Dichloropropene	ND		500	180	ug/L			09/29/19 05:28	500
Styrene	ND		500	370	ug/L			09/29/19 05:28	500
tert-Butylbenzene	ND		500	410	ug/L			09/29/19 05:28	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		09/29/19 05:28	500
4-Bromofluorobenzene (Surr)	110		73 - 120		09/29/19 05:28	500

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-10B

Lab Sample ID: 480-159830-32

Date Collected: 09/25/19 14:50

Matrix: Water

Date Received: 09/26/19 12:15

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		80 - 120		09/29/19 05:28	500
Dibromofluoromethane (Surr)	118		75 - 123		09/29/19 05:28	500

Client Sample ID: OW-11B

Lab Sample ID: 480-159830-33

Date Collected: 09/25/19 15:05

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		400	140	ug/L			09/29/19 05:51	400
1,1,1-Trichloroethane	ND		400	330	ug/L			09/29/19 05:51	400
1,1,2,2-Tetrachloroethane	ND		400	84	ug/L			09/29/19 05:51	400
1,1,2-Trichloroethane	ND		400	92	ug/L			09/29/19 05:51	400
1,1-Dichloroethane	ND		400	150	ug/L			09/29/19 05:51	400
1,1-Dichloroethene	ND		400	120	ug/L			09/29/19 05:51	400
1,1-Dichloropropene	ND		400	290	ug/L			09/29/19 05:51	400
1,2,3-Trichlorobenzene	1400		400	160	ug/L			09/29/19 05:51	400
1,2,3-Trichloropropane	ND		400	360	ug/L			09/29/19 05:51	400
1,2,4-Trichlorobenzene	3600		400	160	ug/L			09/29/19 05:51	400
1,2,4-Trimethylbenzene	ND		400	300	ug/L			09/29/19 05:51	400
1,2-Dibromo-3-Chloropropane	ND		400	160	ug/L			09/29/19 05:51	400
1,2-Dichlorobenzene	31000		400	320	ug/L			09/29/19 05:51	400
1,2-Dichloroethane	ND		400	84	ug/L			09/29/19 05:51	400
1,2-Dichloropropane	ND		400	290	ug/L			09/29/19 05:51	400
1,3,5-Trimethylbenzene	ND		400	310	ug/L			09/29/19 05:51	400
1,3-Dichlorobenzene	7400		400	310	ug/L			09/29/19 05:51	400
1,3-Dichloropropane	ND		400	300	ug/L			09/29/19 05:51	400
1,4-Dichlorobenzene	22000		400	340	ug/L			09/29/19 05:51	400
2,2-Dichloropropane	ND		400	160	ug/L			09/29/19 05:51	400
2-Butanone (MEK)	ND		4000	530	ug/L			09/29/19 05:51	400
2-Chloroethyl vinyl ether	ND		2000	380	ug/L			09/29/19 05:51	400
o-Chlorotoluene	ND		400	340	ug/L			09/29/19 05:51	400
2-Hexanone	ND		2000	500	ug/L			09/29/19 05:51	400
p-Chlorotoluene	ND		400	340	ug/L			09/29/19 05:51	400
p-Cymene	ND		400	120	ug/L			09/29/19 05:51	400
4-Methyl-2-pentanone (MIBK)	ND		2000	840	ug/L			09/29/19 05:51	400
Acetone	ND		4000	1200	ug/L			09/29/19 05:51	400
Benzene	9500		400	160	ug/L			09/29/19 05:51	400
Bromobenzene	ND		400	320	ug/L			09/29/19 05:51	400
Bromoform	ND		400	100	ug/L			09/29/19 05:51	400
Bromomethane	ND		400	280	ug/L			09/29/19 05:51	400
Carbon disulfide	ND		400	76	ug/L			09/29/19 05:51	400
Carbon tetrachloride	ND		400	110	ug/L			09/29/19 05:51	400
Chlorobenzene	14000		400	300	ug/L			09/29/19 05:51	400
Bromochloromethane	ND		400	350	ug/L			09/29/19 05:51	400
Chlorodibromomethane	ND		400	130	ug/L			09/29/19 05:51	400
Chloroethane	ND		400	130	ug/L			09/29/19 05:51	400
Chloroform	ND		400	140	ug/L			09/29/19 05:51	400
Chloromethane	ND		400	140	ug/L			09/29/19 05:51	400

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-11B

Lab Sample ID: 480-159830-33

Date Collected: 09/25/19 15:05

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		400	320	ug/L			09/29/19 05:51	400
Bromodichloromethane	ND		400	160	ug/L			09/29/19 05:51	400
Dichlorodifluoromethane	ND	*	400	270	ug/L			09/29/19 05:51	400
Ethylbenzene	ND		400	300	ug/L			09/29/19 05:51	400
1,2-Dibromoethane	ND		400	290	ug/L			09/29/19 05:51	400
Hexachlorobutadiene	ND		800	110	ug/L			09/29/19 05:51	400
Isopropylbenzene	ND		400	320	ug/L			09/29/19 05:51	400
Methyl tert-butyl ether	ND		400	64	ug/L			09/29/19 05:51	400
Methylene Chloride	290	J	400	180	ug/L			09/29/19 05:51	400
m-Xylene & p-Xylene	290	J	800	260	ug/L			09/29/19 05:51	400
Naphthalene	ND		400	170	ug/L			09/29/19 05:51	400
n-Butylbenzene	ND		400	260	ug/L			09/29/19 05:51	400
N-Propylbenzene	ND		400	280	ug/L			09/29/19 05:51	400
o-Xylene	ND		400	300	ug/L			09/29/19 05:51	400
sec-Butylbenzene	ND		400	300	ug/L			09/29/19 05:51	400
Tetrachloroethene	ND		400	140	ug/L			09/29/19 05:51	400
Toluene	ND		400	200	ug/L			09/29/19 05:51	400
trans-1,2-Dichloroethene	ND		400	360	ug/L			09/29/19 05:51	400
trans-1,3-Dichloropropene	ND		400	150	ug/L			09/29/19 05:51	400
Trichloroethene	ND		400	180	ug/L			09/29/19 05:51	400
Trichlorofluoromethane	ND		400	350	ug/L			09/29/19 05:51	400
Vinyl acetate	ND		2000	340	ug/L			09/29/19 05:51	400
Vinyl chloride	ND		400	360	ug/L			09/29/19 05:51	400
cis-1,3-Dichloropropene	ND		400	140	ug/L			09/29/19 05:51	400
Styrene	ND		400	290	ug/L			09/29/19 05:51	400
tert-Butylbenzene	ND		400	320	ug/L			09/29/19 05:51	400
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		77 - 120					09/29/19 05:51	400
4-Bromofluorobenzene (Surr)	113		73 - 120					09/29/19 05:51	400
Toluene-d8 (Surr)	112		80 - 120					09/29/19 05:51	400
Dibromofluoromethane (Surr)	119		75 - 123					09/29/19 05:51	400

Client Sample ID: OW-111B

Lab Sample ID: 480-159830-34

Date Collected: 09/25/19 16:05

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		500	180	ug/L			09/29/19 06:13	500
1,1,1-Trichloroethane	ND		500	410	ug/L			09/29/19 06:13	500
1,1,2,2-Tetrachloroethane	ND		500	110	ug/L			09/29/19 06:13	500
1,1,2-Trichloroethane	ND		500	120	ug/L			09/29/19 06:13	500
1,1-Dichloroethane	ND		500	190	ug/L			09/29/19 06:13	500
1,1-Dichloroethene	ND		500	150	ug/L			09/29/19 06:13	500
1,1-Dichloropropene	ND		500	360	ug/L			09/29/19 06:13	500
1,2,3-Trichlorobenzene	1200		500	210	ug/L			09/29/19 06:13	500
1,2,3-Trichloropropane	ND		500	450	ug/L			09/29/19 06:13	500
1,2,4-Trichlorobenzene	3400		500	210	ug/L			09/29/19 06:13	500
1,2,4-Trimethylbenzene	ND		500	380	ug/L			09/29/19 06:13	500

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-111B

Lab Sample ID: 480-159830-34

Date Collected: 09/25/19 16:05

Matrix: Water

Date Received: 09/26/19 12:15

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		500	200	ug/L			09/29/19 06:13	500
1,2-Dichlorobenzene	28000		500	400	ug/L			09/29/19 06:13	500
1,2-Dichloroethane	ND		500	110	ug/L			09/29/19 06:13	500
1,2-Dichloropropane	ND		500	360	ug/L			09/29/19 06:13	500
1,3,5-Trimethylbenzene	ND		500	390	ug/L			09/29/19 06:13	500
1,3-Dichlorobenzene	6600		500	390	ug/L			09/29/19 06:13	500
1,3-Dichloropropane	ND		500	380	ug/L			09/29/19 06:13	500
1,4-Dichlorobenzene	20000		500	420	ug/L			09/29/19 06:13	500
2,2-Dichloropropane	ND		500	200	ug/L			09/29/19 06:13	500
2-Butanone (MEK)	ND		5000	660	ug/L			09/29/19 06:13	500
2-Chloroethyl vinyl ether	ND		2500	480	ug/L			09/29/19 06:13	500
o-Chlorotoluene	ND		500	430	ug/L			09/29/19 06:13	500
2-Hexanone	ND		2500	620	ug/L			09/29/19 06:13	500
p-Chlorotoluene	ND		500	420	ug/L			09/29/19 06:13	500
p-Cymene	ND		500	160	ug/L			09/29/19 06:13	500
4-Methyl-2-pentanone (MIBK)	ND		2500	1100	ug/L			09/29/19 06:13	500
Acetone	ND		5000	1500	ug/L			09/29/19 06:13	500
Benzene	7900		500	210	ug/L			09/29/19 06:13	500
Bromobenzene	ND		500	400	ug/L			09/29/19 06:13	500
Bromoform	ND		500	130	ug/L			09/29/19 06:13	500
Bromomethane	ND		500	350	ug/L			09/29/19 06:13	500
Carbon disulfide	ND		500	95	ug/L			09/29/19 06:13	500
Carbon tetrachloride	ND		500	140	ug/L			09/29/19 06:13	500
Chlorobenzene	13000		500	380	ug/L			09/29/19 06:13	500
Bromochloromethane	ND		500	440	ug/L			09/29/19 06:13	500
Chlorodibromomethane	ND		500	160	ug/L			09/29/19 06:13	500
Chloroethane	ND		500	160	ug/L			09/29/19 06:13	500
Chloroform	ND		500	170	ug/L			09/29/19 06:13	500
Chloromethane	ND		500	180	ug/L			09/29/19 06:13	500
cis-1,2-Dichloroethene	ND		500	410	ug/L			09/29/19 06:13	500
Bromodichloromethane	ND		500	200	ug/L			09/29/19 06:13	500
Dichlorodifluoromethane	ND *		500	340	ug/L			09/29/19 06:13	500
Ethylbenzene	ND		500	370	ug/L			09/29/19 06:13	500
1,2-Dibromoethane	ND		500	370	ug/L			09/29/19 06:13	500
Hexachlorobutadiene	ND		1000	140	ug/L			09/29/19 06:13	500
Isopropylbenzene	ND		500	400	ug/L			09/29/19 06:13	500
Methyl tert-butyl ether	ND		500	80	ug/L			09/29/19 06:13	500
Methylene Chloride	290 J		500	220	ug/L			09/29/19 06:13	500
m-Xylene & p-Xylene	ND		1000	330	ug/L			09/29/19 06:13	500
Naphthalene	ND		500	220	ug/L			09/29/19 06:13	500
n-Butylbenzene	ND		500	320	ug/L			09/29/19 06:13	500
N-Propylbenzene	ND		500	350	ug/L			09/29/19 06:13	500
o-Xylene	ND		500	380	ug/L			09/29/19 06:13	500
sec-Butylbenzene	ND		500	380	ug/L			09/29/19 06:13	500
Tetrachloroethene	ND		500	180	ug/L			09/29/19 06:13	500
Toluene	ND		500	260	ug/L			09/29/19 06:13	500
trans-1,2-Dichloroethene	ND		500	450	ug/L			09/29/19 06:13	500
trans-1,3-Dichloropropene	ND		500	190	ug/L			09/29/19 06:13	500
Trichloroethene	ND		500	230	ug/L			09/29/19 06:13	500

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-111B

Lab Sample ID: 480-159830-34

Date Collected: 09/25/19 16:05

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		500	440	ug/L			09/29/19 06:13	500
Vinyl acetate	ND		2500	430	ug/L			09/29/19 06:13	500
Vinyl chloride	ND		500	450	ug/L			09/29/19 06:13	500
cis-1,3-Dichloropropene	ND		500	180	ug/L			09/29/19 06:13	500
Styrene	ND		500	370	ug/L			09/29/19 06:13	500
tert-Butylbenzene	ND		500	410	ug/L			09/29/19 06:13	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		09/29/19 06:13	500
4-Bromofluorobenzene (Surr)	114		73 - 120		09/29/19 06:13	500
Toluene-d8 (Surr)	114		80 - 120		09/29/19 06:13	500
Dibromofluoromethane (Surr)	112		75 - 123		09/29/19 06:13	500

Client Sample ID: OW-29A

Lab Sample ID: 480-159830-35

Date Collected: 09/25/19 15:20

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		200	70	ug/L			09/29/19 06:37	200
1,1,1-Trichloroethane	ND		200	160	ug/L			09/29/19 06:37	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			09/29/19 06:37	200
1,1,2-Trichloroethane	ND		200	46	ug/L			09/29/19 06:37	200
1,1-Dichloroethane	ND		200	76	ug/L			09/29/19 06:37	200
1,1-Dichloroethene	ND		200	58	ug/L			09/29/19 06:37	200
1,1-Dichloropropene	ND		200	140	ug/L			09/29/19 06:37	200
1,2,3-Trichlorobenzene	320		200	82	ug/L			09/29/19 06:37	200
1,2,3-Trichloropropane	ND		200	180	ug/L			09/29/19 06:37	200
1,2,4-Trichlorobenzene	1100		200	82	ug/L			09/29/19 06:37	200
1,2,4-Trimethylbenzene	ND		200	150	ug/L			09/29/19 06:37	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			09/29/19 06:37	200
1,2-Dichlorobenzene	10000		200	160	ug/L			09/29/19 06:37	200
1,2-Dichloroethane	ND		200	42	ug/L			09/29/19 06:37	200
1,2-Dichloropropane	ND		200	140	ug/L			09/29/19 06:37	200
1,3,5-Trimethylbenzene	ND		200	150	ug/L			09/29/19 06:37	200
1,3-Dichlorobenzene	2200		200	160	ug/L			09/29/19 06:37	200
1,3-Dichloropropane	ND		200	150	ug/L			09/29/19 06:37	200
1,4-Dichlorobenzene	5700		200	170	ug/L			09/29/19 06:37	200
2,2-Dichloropropane	ND		200	80	ug/L			09/29/19 06:37	200
2-Butanone (MEK)	ND		2000	260	ug/L			09/29/19 06:37	200
2-Chloroethyl vinyl ether	ND		1000	190	ug/L			09/29/19 06:37	200
o-Chlorotoluene	ND		200	170	ug/L			09/29/19 06:37	200
2-Hexanone	ND		1000	250	ug/L			09/29/19 06:37	200
p-Chlorotoluene	ND		200	170	ug/L			09/29/19 06:37	200
p-Cymene	ND		200	62	ug/L			09/29/19 06:37	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			09/29/19 06:37	200
Acetone	ND		2000	600	ug/L			09/29/19 06:37	200
Benzene	ND		200	82	ug/L			09/29/19 06:37	200
Bromobenzene	ND		200	160	ug/L			09/29/19 06:37	200
Bromoform	ND		200	52	ug/L			09/29/19 06:37	200

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-29A

Lab Sample ID: 480-159830-35

Date Collected: 09/25/19 15:20

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		200	140	ug/L			09/29/19 06:37	200
Carbon disulfide	ND		200	38	ug/L			09/29/19 06:37	200
Carbon tetrachloride	ND		200	54	ug/L			09/29/19 06:37	200
Chlorobenzene	8000		200	150	ug/L			09/29/19 06:37	200
Bromochloromethane	ND		200	170	ug/L			09/29/19 06:37	200
Chlorodibromomethane	ND		200	64	ug/L			09/29/19 06:37	200
Chloroethane	ND		200	64	ug/L			09/29/19 06:37	200
Chloroform	ND		200	68	ug/L			09/29/19 06:37	200
Chloromethane	ND		200	70	ug/L			09/29/19 06:37	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			09/29/19 06:37	200
Bromodichloromethane	ND		200	78	ug/L			09/29/19 06:37	200
Dichlorodifluoromethane	ND	*	200	140	ug/L			09/29/19 06:37	200
Ethylbenzene	ND		200	150	ug/L			09/29/19 06:37	200
1,2-Dibromoethane	ND		200	150	ug/L			09/29/19 06:37	200
Hexachlorobutadiene	ND		400	56	ug/L			09/29/19 06:37	200
Isopropylbenzene	ND		200	160	ug/L			09/29/19 06:37	200
Methyl tert-butyl ether	ND		200	32	ug/L			09/29/19 06:37	200
Methylene Chloride	130	J	200	88	ug/L			09/29/19 06:37	200
m-Xylene & p-Xylene	ND		400	130	ug/L			09/29/19 06:37	200
Naphthalene	ND		200	86	ug/L			09/29/19 06:37	200
n-Butylbenzene	ND		200	130	ug/L			09/29/19 06:37	200
N-Propylbenzene	ND		200	140	ug/L			09/29/19 06:37	200
o-Xylene	ND		200	150	ug/L			09/29/19 06:37	200
sec-Butylbenzene	ND		200	150	ug/L			09/29/19 06:37	200
Tetrachloroethene	ND		200	72	ug/L			09/29/19 06:37	200
Toluene	ND		200	100	ug/L			09/29/19 06:37	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			09/29/19 06:37	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			09/29/19 06:37	200
Trichloroethene	ND		200	92	ug/L			09/29/19 06:37	200
Trichlorofluoromethane	ND		200	180	ug/L			09/29/19 06:37	200
Vinyl acetate	ND		1000	170	ug/L			09/29/19 06:37	200
Vinyl chloride	ND		200	180	ug/L			09/29/19 06:37	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			09/29/19 06:37	200
Styrene	ND		200	150	ug/L			09/29/19 06:37	200
tert-Butylbenzene	ND		200	160	ug/L			09/29/19 06:37	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		09/29/19 06:37	200
4-Bromofluorobenzene (Surr)	110		73 - 120		09/29/19 06:37	200
Toluene-d8 (Surr)	113		80 - 120		09/29/19 06:37	200
Dibromofluoromethane (Surr)	113		75 - 123		09/29/19 06:37	200

Client Sample ID: MW-5F

Lab Sample ID: 480-159830-36

Date Collected: 09/25/19 16:00

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	35	ug/L			09/29/19 07:00	100
1,1,1-Trichloroethane	ND		100	82	ug/L			09/29/19 07:00	100

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-5F

Lab Sample ID: 480-159830-36

Date Collected: 09/25/19 16:00

Matrix: Water

Date Received: 09/26/19 12:15

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		100	21	ug/L			09/29/19 07:00	100
1,1,2-Trichloroethane	ND		100	23	ug/L			09/29/19 07:00	100
1,1-Dichloroethane	ND		100	38	ug/L			09/29/19 07:00	100
1,1-Dichloroethene	ND		100	29	ug/L			09/29/19 07:00	100
1,1-Dichloropropene	ND		100	72	ug/L			09/29/19 07:00	100
1,2,3-Trichlorobenzene	ND		100	41	ug/L			09/29/19 07:00	100
1,2,3-Trichloropropane	ND		100	89	ug/L			09/29/19 07:00	100
1,2,4-Trichlorobenzene	ND		100	41	ug/L			09/29/19 07:00	100
1,2,4-Trimethylbenzene	ND		100	75	ug/L			09/29/19 07:00	100
1,2-Dibromo-3-Chloropropane	ND		100	39	ug/L			09/29/19 07:00	100
1,2-Dichlorobenzene	630		100	79	ug/L			09/29/19 07:00	100
1,2-Dichloroethane	ND		100	21	ug/L			09/29/19 07:00	100
1,2-Dichloropropane	ND		100	72	ug/L			09/29/19 07:00	100
1,3,5-Trimethylbenzene	ND		100	77	ug/L			09/29/19 07:00	100
1,3-Dichlorobenzene	ND		100	78	ug/L			09/29/19 07:00	100
1,3-Dichloropropane	ND		100	75	ug/L			09/29/19 07:00	100
1,4-Dichlorobenzene	240		100	84	ug/L			09/29/19 07:00	100
2,2-Dichloropropane	ND		100	40	ug/L			09/29/19 07:00	100
2-Butanone (MEK)	ND		1000	130	ug/L			09/29/19 07:00	100
2-Chloroethyl vinyl ether	ND		500	96	ug/L			09/29/19 07:00	100
o-Chlorotoluene	ND		100	86	ug/L			09/29/19 07:00	100
2-Hexanone	ND		500	120	ug/L			09/29/19 07:00	100
p-Chlorotoluene	ND		100	84	ug/L			09/29/19 07:00	100
p-Cymene	ND		100	31	ug/L			09/29/19 07:00	100
4-Methyl-2-pentanone (MIBK)	ND		500	210	ug/L			09/29/19 07:00	100
Acetone	ND		1000	300	ug/L			09/29/19 07:00	100
Benzene	66 J		100	41	ug/L			09/29/19 07:00	100
Bromobenzene	ND		100	80	ug/L			09/29/19 07:00	100
Bromoform	ND		100	26	ug/L			09/29/19 07:00	100
Bromomethane	ND		100	69	ug/L			09/29/19 07:00	100
Carbon disulfide	ND		100	19	ug/L			09/29/19 07:00	100
Carbon tetrachloride	ND		100	27	ug/L			09/29/19 07:00	100
Chlorobenzene	400		100	75	ug/L			09/29/19 07:00	100
Bromochloromethane	ND		100	87	ug/L			09/29/19 07:00	100
Chlorodibromomethane	ND		100	32	ug/L			09/29/19 07:00	100
Chloroethane	ND		100	32	ug/L			09/29/19 07:00	100
Chloroform	ND		100	34	ug/L			09/29/19 07:00	100
Chloromethane	ND		100	35	ug/L			09/29/19 07:00	100
cis-1,2-Dichloroethene	180		100	81	ug/L			09/29/19 07:00	100
Bromodichloromethane	ND		100	39	ug/L			09/29/19 07:00	100
Dichlorodifluoromethane	ND *		100	68	ug/L			09/29/19 07:00	100
Ethylbenzene	ND		100	74	ug/L			09/29/19 07:00	100
1,2-Dibromoethane	ND		100	73	ug/L			09/29/19 07:00	100
Hexachlorobutadiene	ND		200	28	ug/L			09/29/19 07:00	100
Isopropylbenzene	ND		100	79	ug/L			09/29/19 07:00	100
Methyl tert-butyl ether	ND		100	16	ug/L			09/29/19 07:00	100
Methylene Chloride	59 J		100	44	ug/L			09/29/19 07:00	100
m-Xylene & p-Xylene	ND		200	66	ug/L			09/29/19 07:00	100
Naphthalene	ND		100	43	ug/L			09/29/19 07:00	100

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-5F

Lab Sample ID: 480-159830-36

Date Collected: 09/25/19 16:00

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		100	64	ug/L			09/29/19 07:00	100
N-Propylbenzene	ND		100	69	ug/L			09/29/19 07:00	100
o-Xylene	ND		100	76	ug/L			09/29/19 07:00	100
sec-Butylbenzene	ND		100	75	ug/L			09/29/19 07:00	100
Tetrachloroethene	ND		100	36	ug/L			09/29/19 07:00	100
Toluene	ND		100	51	ug/L			09/29/19 07:00	100
trans-1,2-Dichloroethene	ND		100	90	ug/L			09/29/19 07:00	100
trans-1,3-Dichloropropene	ND		100	37	ug/L			09/29/19 07:00	100
Trichloroethene	ND		100	46	ug/L			09/29/19 07:00	100
Trichlorofluoromethane	ND		100	88	ug/L			09/29/19 07:00	100
Vinyl acetate	ND		500	85	ug/L			09/29/19 07:00	100
Vinyl chloride	2200		100	90	ug/L			09/29/19 07:00	100
cis-1,3-Dichloropropene	ND		100	36	ug/L			09/29/19 07:00	100
Styrene	ND		100	73	ug/L			09/29/19 07:00	100
tert-Butylbenzene	ND		100	81	ug/L			09/29/19 07:00	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120					09/29/19 07:00	100
4-Bromofluorobenzene (Surr)	112		73 - 120					09/29/19 07:00	100
Toluene-d8 (Surr)	112		80 - 120					09/29/19 07:00	100
Dibromofluoromethane (Surr)	113		75 - 123					09/29/19 07:00	100

Client Sample ID: MW-6F

Lab Sample ID: 480-159830-37

Date Collected: 09/25/19 16:15

Matrix: Water

Date Received: 09/26/19 12:15

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			10/04/19 16:54	20
1,1,1-Trichloroethane	ND		20	16	ug/L			10/04/19 16:54	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			10/04/19 16:54	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			10/04/19 16:54	20
1,1-Dichloroethane	ND		20	7.6	ug/L			10/04/19 16:54	20
1,1-Dichloroethene	5.9 J		20	5.8	ug/L			10/04/19 16:54	20
1,1-Dichloropropene	ND		20	14	ug/L			10/04/19 16:54	20
1,2,3-Trichlorobenzene	ND		20	8.2	ug/L			10/04/19 16:54	20
1,2,3-Trichloropropane	ND		20	18	ug/L			10/04/19 16:54	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			10/04/19 16:54	20
1,2,4-Trimethylbenzene	ND		20	15	ug/L			10/04/19 16:54	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			10/04/19 16:54	20
1,2-Dichlorobenzene	ND		20	16	ug/L			10/04/19 16:54	20
1,2-Dichloroethane	ND		20	4.2	ug/L			10/04/19 16:54	20
1,2-Dichloropropane	ND		20	14	ug/L			10/04/19 16:54	20
1,3,5-Trimethylbenzene	ND		20	15	ug/L			10/04/19 16:54	20
1,3-Dichlorobenzene	ND		20	16	ug/L			10/04/19 16:54	20
1,3-Dichloropropane	ND		20	15	ug/L			10/04/19 16:54	20
1,4-Dichlorobenzene	ND		20	17	ug/L			10/04/19 16:54	20
2,2-Dichloropropane	ND		20	8.0	ug/L			10/04/19 16:54	20
2-Butanone (MEK)	ND		200	26	ug/L			10/04/19 16:54	20
2-Chloroethyl vinyl ether	ND		100	19	ug/L			10/04/19 16:54	20

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-6F

Lab Sample ID: 480-159830-37

Date Collected: 09/25/19 16:15

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Chlorotoluene	ND		20	17	ug/L			10/04/19 16:54	20
2-Hexanone	ND		100	25	ug/L			10/04/19 16:54	20
p-Chlorotoluene	ND		20	17	ug/L			10/04/19 16:54	20
p-Cymene	ND		20	6.2	ug/L			10/04/19 16:54	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			10/04/19 16:54	20
Acetone	94	J	200	60	ug/L			10/04/19 16:54	20
Benzene	ND		20	8.2	ug/L			10/04/19 16:54	20
Bromobenzene	ND		20	16	ug/L			10/04/19 16:54	20
Bromoform	ND		20	5.2	ug/L			10/04/19 16:54	20
Bromomethane	ND		20	14	ug/L			10/04/19 16:54	20
Carbon disulfide	ND		20	3.8	ug/L			10/04/19 16:54	20
Carbon tetrachloride	ND		20	5.4	ug/L			10/04/19 16:54	20
Chlorobenzene	ND		20	15	ug/L			10/04/19 16:54	20
Bromochloromethane	ND		20	17	ug/L			10/04/19 16:54	20
Chlorodibromomethane	ND		20	6.4	ug/L			10/04/19 16:54	20
Chloroethane	ND		20	6.4	ug/L			10/04/19 16:54	20
Chloroform	ND		20	6.8	ug/L			10/04/19 16:54	20
Chloromethane	ND		20	7.0	ug/L			10/04/19 16:54	20
cis-1,2-Dichloroethene	1100		20	16	ug/L			10/04/19 16:54	20
Bromodichloromethane	ND		20	7.8	ug/L			10/04/19 16:54	20
Dichlorodifluoromethane	ND		20	14	ug/L			10/04/19 16:54	20
Ethylbenzene	ND		20	15	ug/L			10/04/19 16:54	20
1,2-Dibromoethane	ND		20	15	ug/L			10/04/19 16:54	20
Hexachlorobutadiene	ND		40	5.6	ug/L			10/04/19 16:54	20
Isopropylbenzene	ND		20	16	ug/L			10/04/19 16:54	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			10/04/19 16:54	20
Methylene Chloride	ND		20	8.8	ug/L			10/04/19 16:54	20
m-Xylene & p-Xylene	ND		40	13	ug/L			10/04/19 16:54	20
Naphthalene	ND		20	8.6	ug/L			10/04/19 16:54	20
n-Butylbenzene	ND		20	13	ug/L			10/04/19 16:54	20
N-Propylbenzene	ND		20	14	ug/L			10/04/19 16:54	20
o-Xylene	ND		20	15	ug/L			10/04/19 16:54	20
sec-Butylbenzene	ND		20	15	ug/L			10/04/19 16:54	20
Tetrachloroethene	ND		20	7.2	ug/L			10/04/19 16:54	20
Toluene	ND		20	10	ug/L			10/04/19 16:54	20
trans-1,2-Dichloroethene	43		20	18	ug/L			10/04/19 16:54	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			10/04/19 16:54	20
Trichloroethene	ND		20	9.2	ug/L			10/04/19 16:54	20
Trichlorofluoromethane	ND		20	18	ug/L			10/04/19 16:54	20
Vinyl acetate	ND		100	17	ug/L			10/04/19 16:54	20
Vinyl chloride	1800		20	18	ug/L			10/04/19 16:54	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			10/04/19 16:54	20
Styrene	ND		20	15	ug/L			10/04/19 16:54	20
tert-Butylbenzene	ND		20	16	ug/L			10/04/19 16:54	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		10/04/19 16:54	20
4-Bromofluorobenzene (Surr)	98		73 - 120		10/04/19 16:54	20
Toluene-d8 (Surr)	103		80 - 120		10/04/19 16:54	20
Dibromofluoromethane (Surr)	98		75 - 123		10/04/19 16:54	20

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-1F

Lab Sample ID: 480-159830-38

Date Collected: 09/25/19 16:30

Matrix: Water

Date Received: 09/26/19 12:15

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			10/04/19 17:18	50
1,1,1-Trichloroethane	ND		50	41	ug/L			10/04/19 17:18	50
1,1,2,2-Tetrachloroethane	ND		50	11	ug/L			10/04/19 17:18	50
1,1,2-Trichloroethane	ND		50	12	ug/L			10/04/19 17:18	50
1,1-Dichloroethane	ND		50	19	ug/L			10/04/19 17:18	50
1,1-Dichloroethene	ND		50	15	ug/L			10/04/19 17:18	50
1,1-Dichloropropene	ND		50	36	ug/L			10/04/19 17:18	50
1,2,3-Trichlorobenzene	ND		50	21	ug/L			10/04/19 17:18	50
1,2,3-Trichloropropane	ND		50	45	ug/L			10/04/19 17:18	50
1,2,4-Trichlorobenzene	ND		50	21	ug/L			10/04/19 17:18	50
1,2,4-Trimethylbenzene	ND		50	38	ug/L			10/04/19 17:18	50
1,2-Dibromo-3-Chloropropane	ND		50	20	ug/L			10/04/19 17:18	50
1,2-Dichlorobenzene	ND		50	40	ug/L			10/04/19 17:18	50
1,2-Dichloroethane	ND		50	11	ug/L			10/04/19 17:18	50
1,2-Dichloropropane	ND		50	36	ug/L			10/04/19 17:18	50
1,3,5-Trimethylbenzene	ND		50	39	ug/L			10/04/19 17:18	50
1,3-Dichlorobenzene	ND		50	39	ug/L			10/04/19 17:18	50
1,3-Dichloropropane	ND		50	38	ug/L			10/04/19 17:18	50
1,4-Dichlorobenzene	ND		50	42	ug/L			10/04/19 17:18	50
2,2-Dichloropropane	ND		50	20	ug/L			10/04/19 17:18	50
2-Butanone (MEK)	ND		500	66	ug/L			10/04/19 17:18	50
2-Chloroethyl vinyl ether	ND		250	48	ug/L			10/04/19 17:18	50
o-Chlorotoluene	ND		50	43	ug/L			10/04/19 17:18	50
2-Hexanone	ND		250	62	ug/L			10/04/19 17:18	50
p-Chlorotoluene	ND		50	42	ug/L			10/04/19 17:18	50
p-Cymene	ND		50	16	ug/L			10/04/19 17:18	50
4-Methyl-2-pentanone (MIBK)	ND		250	110	ug/L			10/04/19 17:18	50
Acetone	ND		500	150	ug/L			10/04/19 17:18	50
Benzene	ND		50	21	ug/L			10/04/19 17:18	50
Bromobenzene	ND		50	40	ug/L			10/04/19 17:18	50
Bromoform	ND		50	13	ug/L			10/04/19 17:18	50
Bromomethane	ND		50	35	ug/L			10/04/19 17:18	50
Carbon disulfide	ND		50	9.5	ug/L			10/04/19 17:18	50
Carbon tetrachloride	ND		50	14	ug/L			10/04/19 17:18	50
Chlorobenzene	ND		50	38	ug/L			10/04/19 17:18	50
Bromochloromethane	ND		50	44	ug/L			10/04/19 17:18	50
Chlorodibromomethane	ND		50	16	ug/L			10/04/19 17:18	50
Chloroethane	ND		50	16	ug/L			10/04/19 17:18	50
Chloroform	ND		50	17	ug/L			10/04/19 17:18	50
Chloromethane	ND		50	18	ug/L			10/04/19 17:18	50
cis-1,2-Dichloroethene	41	J	50	41	ug/L			10/04/19 17:18	50
Bromodichloromethane	ND		50	20	ug/L			10/04/19 17:18	50
Dichlorodifluoromethane	ND		50	34	ug/L			10/04/19 17:18	50
Ethylbenzene	ND		50	37	ug/L			10/04/19 17:18	50
1,2-Dibromoethane	ND		50	37	ug/L			10/04/19 17:18	50
Hexachlorobutadiene	ND		100	14	ug/L			10/04/19 17:18	50
Isopropylbenzene	ND		50	40	ug/L			10/04/19 17:18	50
Methyl tert-butyl ether	ND		50	8.0	ug/L			10/04/19 17:18	50
Methylene Chloride	ND		50	22	ug/L			10/04/19 17:18	50

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: MW-1F

Lab Sample ID: 480-159830-38

Date Collected: 09/25/19 16:30

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		100	33	ug/L			10/04/19 17:18	50
Naphthalene	ND		50	22	ug/L			10/04/19 17:18	50
n-Butylbenzene	ND		50	32	ug/L			10/04/19 17:18	50
N-Propylbenzene	ND		50	35	ug/L			10/04/19 17:18	50
o-Xylene	ND		50	38	ug/L			10/04/19 17:18	50
sec-Butylbenzene	ND		50	38	ug/L			10/04/19 17:18	50
Tetrachloroethene	ND		50	18	ug/L			10/04/19 17:18	50
Toluene	ND		50	26	ug/L			10/04/19 17:18	50
trans-1,2-Dichloroethene	ND		50	45	ug/L			10/04/19 17:18	50
trans-1,3-Dichloropropene	ND		50	19	ug/L			10/04/19 17:18	50
Trichloroethene	ND		50	23	ug/L			10/04/19 17:18	50
Trichlorofluoromethane	ND		50	44	ug/L			10/04/19 17:18	50
Vinyl acetate	ND		250	43	ug/L			10/04/19 17:18	50
Vinyl chloride	2600		50	45	ug/L			10/04/19 17:18	50
cis-1,3-Dichloropropene	ND		50	18	ug/L			10/04/19 17:18	50
Styrene	ND		50	37	ug/L			10/04/19 17:18	50
tert-Butylbenzene	ND		50	41	ug/L			10/04/19 17:18	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		10/04/19 17:18	50
4-Bromofluorobenzene (Surr)	107		73 - 120		10/04/19 17:18	50
Toluene-d8 (Surr)	107		80 - 120		10/04/19 17:18	50
Dibromofluoromethane (Surr)	102		75 - 123		10/04/19 17:18	50

Client Sample ID: OW-22B

Lab Sample ID: 480-159830-39

Date Collected: 09/25/19 10:45

Matrix: Water

Date Received: 09/26/19 12:15

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			10/04/19 17:43	20
1,1,1-Trichloroethane	ND		20	16	ug/L			10/04/19 17:43	20
1,1,2,2-Tetrachloroethane	160		20	4.2	ug/L			10/04/19 17:43	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			10/04/19 17:43	20
1,1-Dichloroethane	ND		20	7.6	ug/L			10/04/19 17:43	20
1,1-Dichloroethene	ND		20	5.8	ug/L			10/04/19 17:43	20
1,1-Dichloropropene	ND		20	14	ug/L			10/04/19 17:43	20
1,2,3-Trichlorobenzene	11 J		20	8.2	ug/L			10/04/19 17:43	20
1,2,3-Trichloropropane	ND		20	18	ug/L			10/04/19 17:43	20
1,2,4-Trichlorobenzene	32		20	8.2	ug/L			10/04/19 17:43	20
1,2,4-Trimethylbenzene	ND		20	15	ug/L			10/04/19 17:43	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			10/04/19 17:43	20
1,2-Dichlorobenzene	54		20	16	ug/L			10/04/19 17:43	20
1,2-Dichloroethane	ND		20	4.2	ug/L			10/04/19 17:43	20
1,2-Dichloropropane	ND		20	14	ug/L			10/04/19 17:43	20
1,3,5-Trimethylbenzene	ND		20	15	ug/L			10/04/19 17:43	20
1,3-Dichlorobenzene	40		20	16	ug/L			10/04/19 17:43	20
1,3-Dichloropropane	ND		20	15	ug/L			10/04/19 17:43	20
1,4-Dichlorobenzene	59		20	17	ug/L			10/04/19 17:43	20
2,2-Dichloropropane	ND		20	8.0	ug/L			10/04/19 17:43	20

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-22B

Lab Sample ID: 480-159830-39

Date Collected: 09/25/19 10:45

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		200	26	ug/L			10/04/19 17:43	20
2-Chloroethyl vinyl ether	ND		100	19	ug/L			10/04/19 17:43	20
o-Chlorotoluene	ND		20	17	ug/L			10/04/19 17:43	20
2-Hexanone	ND		100	25	ug/L			10/04/19 17:43	20
p-Chlorotoluene	ND		20	17	ug/L			10/04/19 17:43	20
p-Cymene	ND		20	6.2	ug/L			10/04/19 17:43	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			10/04/19 17:43	20
Acetone	ND		200	60	ug/L			10/04/19 17:43	20
Benzene	14	J	20	8.2	ug/L			10/04/19 17:43	20
Bromobenzene	ND		20	16	ug/L			10/04/19 17:43	20
Bromoform	ND		20	5.2	ug/L			10/04/19 17:43	20
Bromomethane	ND		20	14	ug/L			10/04/19 17:43	20
Carbon disulfide	ND		20	3.8	ug/L			10/04/19 17:43	20
Carbon tetrachloride	ND		20	5.4	ug/L			10/04/19 17:43	20
Chlorobenzene	56		20	15	ug/L			10/04/19 17:43	20
Bromochloromethane	ND		20	17	ug/L			10/04/19 17:43	20
Chlorodibromomethane	ND		20	6.4	ug/L			10/04/19 17:43	20
Chloroethane	ND		20	6.4	ug/L			10/04/19 17:43	20
Chloroform	12	J	20	6.8	ug/L			10/04/19 17:43	20
Chloromethane	ND		20	7.0	ug/L			10/04/19 17:43	20
cis-1,2-Dichloroethene	930		20	16	ug/L			10/04/19 17:43	20
Bromodichloromethane	ND		20	7.8	ug/L			10/04/19 17:43	20
Dichlorodifluoromethane	ND		20	14	ug/L			10/04/19 17:43	20
Ethylbenzene	ND		20	15	ug/L			10/04/19 17:43	20
1,2-Dibromoethane	ND		20	15	ug/L			10/04/19 17:43	20
Hexachlorobutadiene	ND		40	5.6	ug/L			10/04/19 17:43	20
Isopropylbenzene	ND		20	16	ug/L			10/04/19 17:43	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			10/04/19 17:43	20
Methylene Chloride	ND		20	8.8	ug/L			10/04/19 17:43	20
m-Xylene & p-Xylene	ND		40	13	ug/L			10/04/19 17:43	20
Naphthalene	ND		20	8.6	ug/L			10/04/19 17:43	20
n-Butylbenzene	ND		20	13	ug/L			10/04/19 17:43	20
N-Propylbenzene	ND		20	14	ug/L			10/04/19 17:43	20
o-Xylene	ND		20	15	ug/L			10/04/19 17:43	20
sec-Butylbenzene	ND		20	15	ug/L			10/04/19 17:43	20
Tetrachloroethene	610		20	7.2	ug/L			10/04/19 17:43	20
Toluene	ND		20	10	ug/L			10/04/19 17:43	20
trans-1,2-Dichloroethene	24		20	18	ug/L			10/04/19 17:43	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			10/04/19 17:43	20
Trichloroethene	1400	F1	20	9.2	ug/L			10/04/19 17:43	20
Trichlorofluoromethane	ND		20	18	ug/L			10/04/19 17:43	20
Vinyl acetate	ND		100	17	ug/L			10/04/19 17:43	20
Vinyl chloride	71		20	18	ug/L			10/04/19 17:43	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			10/04/19 17:43	20
Styrene	ND		20	15	ug/L			10/04/19 17:43	20
tert-Butylbenzene	ND		20	16	ug/L			10/04/19 17:43	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		10/04/19 17:43	20
4-Bromofluorobenzene (Surr)	102		73 - 120		10/04/19 17:43	20

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: OW-22B

Lab Sample ID: 480-159830-39

Date Collected: 09/25/19 10:45

Matrix: Water

Date Received: 09/26/19 12:15

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		80 - 120		10/04/19 17:43	20
Dibromofluoromethane (Surr)	101		75 - 123		10/04/19 17:43	20

Client Sample ID: TB-01 (TRIP BLANK)

Lab Sample ID: 480-159830-40

Date Collected: 09/24/19 07:30

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/28/19 19:35	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/28/19 19:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/28/19 19:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/28/19 19:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/28/19 19:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/28/19 19:35	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/28/19 19:35	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/28/19 19:35	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/28/19 19:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/28/19 19:35	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/28/19 19:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/28/19 19:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/28/19 19:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/28/19 19:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/28/19 19:35	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/28/19 19:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/28/19 19:35	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/28/19 19:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/28/19 19:35	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/28/19 19:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/28/19 19:35	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/28/19 19:35	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/28/19 19:35	1
2-Hexanone	ND		5.0	1.2	ug/L			09/28/19 19:35	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/28/19 19:35	1
p-Cymene	ND		1.0	0.31	ug/L			09/28/19 19:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/28/19 19:35	1
Acetone	ND		10	3.0	ug/L			09/28/19 19:35	1
Benzene	ND		1.0	0.41	ug/L			09/28/19 19:35	1
Bromobenzene	ND		1.0	0.80	ug/L			09/28/19 19:35	1
Bromoform	ND		1.0	0.26	ug/L			09/28/19 19:35	1
Bromomethane	ND		1.0	0.69	ug/L			09/28/19 19:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/28/19 19:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/28/19 19:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/28/19 19:35	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/28/19 19:35	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/28/19 19:35	1
Chloroethane	ND		1.0	0.32	ug/L			09/28/19 19:35	1
Chloroform	ND		1.0	0.34	ug/L			09/28/19 19:35	1
Chloromethane	ND		1.0	0.35	ug/L			09/28/19 19:35	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159830-1

Client Sample ID: TB-01 (TRIP BLANK)

Lab Sample ID: 480-159830-40

Date Collected: 09/24/19 07:30

Matrix: Water

Date Received: 09/26/19 12:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/28/19 19:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/28/19 19:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/28/19 19:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/28/19 19:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/28/19 19:35	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			09/28/19 19:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/28/19 19:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/28/19 19:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/28/19 19:35	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/28/19 19:35	1
Naphthalene	ND		1.0	0.43	ug/L			09/28/19 19:35	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/28/19 19:35	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/28/19 19:35	1
o-Xylene	ND		1.0	0.76	ug/L			09/28/19 19:35	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/28/19 19:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/28/19 19:35	1
Toluene	ND		1.0	0.51	ug/L			09/28/19 19:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/28/19 19:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/28/19 19:35	1
Trichloroethene	ND		1.0	0.46	ug/L			09/28/19 19:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/28/19 19:35	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/28/19 19:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/28/19 19:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/28/19 19:35	1
Styrene	ND		1.0	0.73	ug/L			09/28/19 19:35	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/28/19 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		09/28/19 19:35	1
4-Bromofluorobenzene (Surr)	117		73 - 120		09/28/19 19:35	1
Toluene-d8 (Surr)	101		80 - 120		09/28/19 19:35	1
Dibromofluoromethane (Surr)	110		75 - 123		09/28/19 19:35	1

Surrogate Summary

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

Job ID: 480-159830-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-159830-1	OW-27B	104	104	99	103
480-159830-1 - DL	OW-27B	104	106	101	99
480-159830-2	MW-2A	105	104	99	109
480-159830-3	MW-6B	105	105	100	103
480-159830-4	OW-26B	103	110	101	102
480-159830-5	OW-30B	103	105	98	102
480-159830-6	OW-12B	101	106	99	101
480-159830-7	MW-5C	103	106	100	102
480-159830-7 - DL	MW-5C	101	107	99	98
480-159830-8	MW-5A	104	103	102	105
480-159830-9	MW-5CD	104	107	102	104
480-159830-10	OW-9A	103	107	101	102
480-159830-10 - DL	OW-9A	102	105	100	103
480-159830-11	OW-16A	101	103	99	100
480-159830-12	OW-13B	103	104	99	103
480-159830-12 - DL	OW-13B	100	105	101	102
480-159830-12 MS	OW-13B	100	108	100	99
480-159830-12 MSD	OW-13B	103	107	98	102
480-159830-13	OW-113B	107	101	98	105
480-159830-13 - DL	OW-113B	102	105	98	101
480-159830-14	OW-18A	101	102	98	99
480-159830-14 MS	OW-18A	104	103	102	104
480-159830-14 MSD	OW-18A	103	102	101	103
480-159830-15	OW-29B	102	103	100	100
480-159830-15 - DL	OW-29B	100	105	99	100
480-159830-16	OW-15A	102	103	99	102
480-159830-17	OW-28B	102	105	100	98
480-159830-17 - DL	OW-28B	102	108	102	102
480-159830-18	MW-4B	104	105	98	102
480-159830-18 - DL	MW-4B	101	104	101	97
480-159830-19	OW-14B	116	115	113	114
480-159830-20	OW-15B	117	110	113	117
480-159830-21	OW-22A	112	110	113	111
480-159830-22	OW-6B	110	115	113	113
480-159830-22 - DL	OW-6B	111	105	102	114
480-159830-23	OW-7B	110	107	107	115
480-159830-24	OW-5B	115	111	115	117
480-159830-24 - DL	OW-5B	114	108	107	115
480-159830-25	OW-105B	108	104	103	111
480-159830-26	MW-4C	115	112	112	115
480-159830-26 MS	MW-4C	108	114	114	111
480-159830-26 MSD	MW-4C	113	112	115	116
480-159830-27	OW-8B	115	111	112	114
480-159830-28	OW-12A	109	113	113	113
480-159830-29	MW-1B	113	115	113	116
480-159830-29 - DL	MW-1B	111	107	101	111
480-159830-30	MW-1C	116	110	112	116
480-159830-31	MW-1CD	112	114	112	114
480-159830-32	OW-10B	114	110	110	118

Surrogate Summary

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

Job ID: 480-159830-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-159830-33	OW-11B	113	113	112	119
480-159830-34	OW-111B	110	114	114	112
480-159830-35	OW-29A	110	110	113	113
480-159830-36	MW-5F	112	112	112	113
480-159830-37	MW-6F	101	98	103	98
480-159830-38	MW-1F	104	107	107	102
480-159830-39	OW-22B	102	102	104	101
480-159830-39 MS	OW-22B	106	104	106	102
480-159830-39 MSD	OW-22B	103	98	104	101
480-159830-40	TB-01 (TRIP BLANK)	105	117	101	110
LCS 480-494658/5	Lab Control Sample	101	115	102	108
LCS 480-494726/6	Lab Control Sample	104	106	101	101
LCS 480-494755/5	Lab Control Sample	107	114	116	109
LCS 480-495002/5	Lab Control Sample	108	113	109	116
LCS 480-495007/6	Lab Control Sample	101	104	99	100
LCS 480-495978/7	Lab Control Sample	102	103	104	100
LCSD 480-494658/6	Lab Control Sample Dup	102	115	103	107
MB 480-494658/8	Method Blank	103	114	100	108
MB 480-494726/8	Method Blank	101	101	99	106
MB 480-494755/7	Method Blank	120	112	113	121
MB 480-495002/8	Method Blank	112	110	109	113
MB 480-495007/8	Method Blank	104	109	103	99
MB 480-495978/9	Method Blank	102	100	102	100

Surrogate Legend

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

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: MB 480-494658/8

Matrix: Water

Analysis Batch: 494658

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/28/19 11:30	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/28/19 11:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/28/19 11:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/28/19 11:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/28/19 11:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/28/19 11:30	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/28/19 11:30	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/28/19 11:30	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/28/19 11:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/28/19 11:30	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/28/19 11:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/28/19 11:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/28/19 11:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/28/19 11:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/28/19 11:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/28/19 11:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/28/19 11:30	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/28/19 11:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/28/19 11:30	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/28/19 11:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/28/19 11:30	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/28/19 11:30	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/28/19 11:30	1
2-Hexanone	ND		5.0	1.2	ug/L			09/28/19 11:30	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/28/19 11:30	1
p-Cymene	ND		1.0	0.31	ug/L			09/28/19 11:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/28/19 11:30	1
Acetone	ND		10	3.0	ug/L			09/28/19 11:30	1
Benzene	ND		1.0	0.41	ug/L			09/28/19 11:30	1
Bromobenzene	ND		1.0	0.80	ug/L			09/28/19 11:30	1
Bromoform	ND		1.0	0.26	ug/L			09/28/19 11:30	1
Bromomethane	ND		1.0	0.69	ug/L			09/28/19 11:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/28/19 11:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/28/19 11:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/28/19 11:30	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/28/19 11:30	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/28/19 11:30	1
Chloroethane	ND		1.0	0.32	ug/L			09/28/19 11:30	1
Chloroform	ND		1.0	0.34	ug/L			09/28/19 11:30	1
Chloromethane	ND		1.0	0.35	ug/L			09/28/19 11:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/28/19 11:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/28/19 11:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/28/19 11:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/28/19 11:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/28/19 11:30	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			09/28/19 11:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/28/19 11:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/28/19 11:30	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: MB 480-494658/8

Matrix: Water

Analysis Batch: 494658

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.44	ug/L			09/28/19 11:30	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/28/19 11:30	1
Naphthalene	ND		1.0	0.43	ug/L			09/28/19 11:30	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/28/19 11:30	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/28/19 11:30	1
o-Xylene	ND		1.0	0.76	ug/L			09/28/19 11:30	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/28/19 11:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/28/19 11:30	1
Toluene	ND		1.0	0.51	ug/L			09/28/19 11:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/28/19 11:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/28/19 11:30	1
Trichloroethene	ND		1.0	0.46	ug/L			09/28/19 11:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/28/19 11:30	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/28/19 11:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/28/19 11:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/28/19 11:30	1
Styrene	ND		1.0	0.73	ug/L			09/28/19 11:30	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/28/19 11:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		09/28/19 11:30	1
4-Bromofluorobenzene (Surr)	114		73 - 120		09/28/19 11:30	1
Toluene-d8 (Surr)	100		80 - 120		09/28/19 11:30	1
Dibromofluoromethane (Surr)	108		75 - 123		09/28/19 11:30	1

Lab Sample ID: LCS 480-494658/5

Matrix: Water

Analysis Batch: 494658

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	27.7		ug/L		111	80 - 120
1,1,1-Trichloroethane	25.0	26.2		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.3		ug/L		85	76 - 120
1,1,2-Trichloroethane	25.0	24.0		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	22.9		ug/L		92	77 - 120
1,1-Dichloroethene	25.0	24.0		ug/L		96	66 - 127
1,1-Dichloropropene	25.0	23.4		ug/L		94	72 - 122
1,2,3-Trichlorobenzene	25.0	26.5		ug/L		106	75 - 123
1,2,3-Trichloropropane	25.0	22.8		ug/L		91	68 - 122
1,2,4-Trichlorobenzene	25.0	26.2		ug/L		105	79 - 122
1,2,4-Trimethylbenzene	25.0	22.4		ug/L		90	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	23.5		ug/L		94	56 - 134
1,2-Dichlorobenzene	25.0	24.1		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	24.0		ug/L		96	75 - 120
1,2-Dichloropropane	25.0	23.3		ug/L		93	76 - 120
1,3,5-Trimethylbenzene	25.0	22.3		ug/L		89	77 - 121
1,3-Dichlorobenzene	25.0	23.5		ug/L		94	77 - 120
1,3-Dichloropropane	25.0	23.5		ug/L		94	75 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: LCS 480-494658/5

Matrix: Water

Analysis Batch: 494658

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	25.0	23.1		ug/L		92	80 - 120
2,2-Dichloropropane	25.0	26.4		ug/L		106	63 - 136
2-Butanone (MEK)	125	119		ug/L		95	57 - 140
2-Chloroethyl vinyl ether	25.0	24.6		ug/L		99	70 - 129
o-Chlorotoluene	25.0	22.7		ug/L		91	76 - 121
2-Hexanone	125	116		ug/L		92	65 - 127
p-Chlorotoluene	25.0	22.5		ug/L		90	77 - 121
p-Cymene	25.0	23.4		ug/L		93	73 - 120
4-Methyl-2-pentanone (MIBK)	125	112		ug/L		90	71 - 125
Acetone	125	131		ug/L		105	56 - 142
Benzene	25.0	23.5		ug/L		94	71 - 124
Bromobenzene	25.0	24.2		ug/L		97	78 - 120
Bromoform	25.0	30.9		ug/L		124	61 - 132
Bromomethane	25.0	22.6		ug/L		90	55 - 144
Carbon disulfide	25.0	22.5		ug/L		90	59 - 134
Carbon tetrachloride	25.0	27.1		ug/L		108	72 - 134
Chlorobenzene	25.0	24.4		ug/L		97	80 - 120
Bromochloromethane	25.0	26.4		ug/L		105	72 - 130
Chlorodibromomethane	25.0	28.2		ug/L		113	75 - 125
Chloroethane	25.0	22.8		ug/L		91	69 - 136
Chloroform	25.0	23.3		ug/L		93	73 - 127
Chloromethane	25.0	21.2		ug/L		85	68 - 124
cis-1,2-Dichloroethene	25.0	24.1		ug/L		96	74 - 124
Bromodichloromethane	25.0	25.5		ug/L		102	80 - 122
Dichlorodifluoromethane	25.0	20.7		ug/L		83	59 - 135
Ethylbenzene	25.0	23.8		ug/L		95	77 - 123
1,2-Dibromoethane	25.0	25.4		ug/L		102	77 - 120
Hexachlorobutadiene	25.0	28.2		ug/L		113	68 - 131
Isopropylbenzene	25.0	22.5		ug/L		90	77 - 122
Methyl tert-butyl ether	25.0	24.9		ug/L		100	77 - 120
Methylene Chloride	25.0	24.1		ug/L		96	75 - 124
m-Xylene & p-Xylene	25.0	24.1		ug/L		97	76 - 122
Naphthalene	25.0	24.8		ug/L		99	66 - 125
n-Butylbenzene	25.0	22.4		ug/L		90	71 - 128
N-Propylbenzene	25.0	21.5		ug/L		86	75 - 127
o-Xylene	25.0	24.6		ug/L		98	76 - 122
sec-Butylbenzene	25.0	22.6		ug/L		90	74 - 127
Tetrachloroethene	25.0	27.5		ug/L		110	74 - 122
Toluene	25.0	24.1		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	25.5		ug/L		102	80 - 120
Trichloroethene	25.0	24.7		ug/L		99	74 - 123
Trichlorofluoromethane	25.0	27.1		ug/L		109	62 - 150
Vinyl acetate	50.0	45.7		ug/L		91	50 - 144
Vinyl chloride	25.0	22.3		ug/L		89	65 - 133
cis-1,3-Dichloropropene	25.0	25.7		ug/L		103	74 - 124
Styrene	25.0	25.1		ug/L		100	80 - 120
tert-Butylbenzene	25.0	23.7		ug/L		95	75 - 123

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: LCS 480-494658/5

Matrix: Water

Analysis Batch: 494658

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	115		73 - 120
Toluene-d8 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	108		75 - 123

Lab Sample ID: LCSD 480-494658/6

Matrix: Water

Analysis Batch: 494658

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	25.0	27.3		ug/L		109	80 - 120	1	20
1,1,1-Trichloroethane	25.0	25.1		ug/L		100	73 - 126	4	15
1,1,2,2-Tetrachloroethane	25.0	21.2		ug/L		85	76 - 120	0	15
1,1,2-Trichloroethane	25.0	23.5		ug/L		94	76 - 122	2	15
1,1-Dichloroethane	25.0	22.4		ug/L		89	77 - 120	2	20
1,1-Dichloroethene	25.0	22.8		ug/L		91	66 - 127	5	16
1,1-Dichloropropene	25.0	22.4		ug/L		90	72 - 122	4	20
1,2,3-Trichlorobenzene	25.0	26.4		ug/L		106	75 - 123	0	20
1,2,3-Trichloropropane	25.0	22.9		ug/L		92	68 - 122	0	14
1,2,4-Trichlorobenzene	25.0	25.7		ug/L		103	79 - 122	2	20
1,2,4-Trimethylbenzene	25.0	22.2		ug/L		89	76 - 121	1	20
1,2-Dibromo-3-Chloropropane	25.0	23.2		ug/L		93	56 - 134	1	15
1,2-Dichlorobenzene	25.0	23.8		ug/L		95	80 - 124	1	20
1,2-Dichloroethane	25.0	23.6		ug/L		94	75 - 120	2	20
1,2-Dichloropropane	25.0	22.7		ug/L		91	76 - 120	3	20
1,3,5-Trimethylbenzene	25.0	22.0		ug/L		88	77 - 121	1	20
1,3-Dichlorobenzene	25.0	23.1		ug/L		92	77 - 120	2	20
1,3-Dichloropropane	25.0	23.2		ug/L		93	75 - 120	2	20
1,4-Dichlorobenzene	25.0	22.8		ug/L		91	80 - 120	1	20
2,2-Dichloropropane	25.0	25.7		ug/L		103	63 - 136	3	20
2-Butanone (MEK)	125	116		ug/L		93	57 - 140	2	20
2-Chloroethyl vinyl ether	25.0	24.1		ug/L		96	70 - 129	2	20
o-Chlorotoluene	25.0	22.5		ug/L		90	76 - 121	1	20
2-Hexanone	125	112		ug/L		90	65 - 127	3	15
p-Chlorotoluene	25.0	22.3		ug/L		89	77 - 121	1	15
p-Cymene	25.0	22.7		ug/L		91	73 - 120	3	20
4-Methyl-2-pentanone (MIBK)	125	112		ug/L		89	71 - 125	0	35
Acetone	125	130		ug/L		104	56 - 142	1	15
Benzene	25.0	22.9		ug/L		91	71 - 124	3	13
Bromobenzene	25.0	24.0		ug/L		96	78 - 120	1	15
Bromoform	25.0	30.6		ug/L		123	61 - 132	1	15
Bromomethane	25.0	21.3		ug/L		85	55 - 144	6	15
Carbon disulfide	25.0	21.7		ug/L		87	59 - 134	4	15
Carbon tetrachloride	25.0	26.1		ug/L		104	72 - 134	4	15
Chlorobenzene	25.0	23.8		ug/L		95	80 - 120	2	25
Bromochloromethane	25.0	25.8		ug/L		103	72 - 130	2	15
Chlorodibromomethane	25.0	27.9		ug/L		112	75 - 125	1	15
Chloroethane	25.0	23.0		ug/L		92	69 - 136	1	15

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: LCSD 480-494658/6

Matrix: Water

Analysis Batch: 494658

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroform	25.0	22.9		ug/L		91	73 - 127	2	20
Chloromethane	25.0	20.3		ug/L		81	68 - 124	4	15
cis-1,2-Dichloroethene	25.0	23.7		ug/L		95	74 - 124	1	15
Bromodichloromethane	25.0	25.1		ug/L		100	80 - 122	2	15
Dichlorodifluoromethane	25.0	19.6		ug/L		78	59 - 135	6	20
Ethylbenzene	25.0	23.1		ug/L		92	77 - 123	3	15
1,2-Dibromoethane	25.0	24.8		ug/L		99	77 - 120	3	15
Hexachlorobutadiene	25.0	26.8		ug/L		107	68 - 131	5	20
Isopropylbenzene	25.0	21.9		ug/L		88	77 - 122	3	20
Methyl tert-butyl ether	25.0	24.9		ug/L		100	77 - 120	0	37
Methylene Chloride	25.0	23.7		ug/L		95	75 - 124	1	15
m-Xylene & p-Xylene	25.0	23.6		ug/L		95	76 - 122	2	16
Naphthalene	25.0	24.8		ug/L		99	66 - 125	0	20
n-Butylbenzene	25.0	21.8		ug/L		87	71 - 128	3	15
N-Propylbenzene	25.0	21.0		ug/L		84	75 - 127	3	15
o-Xylene	25.0	24.1		ug/L		96	76 - 122	2	16
sec-Butylbenzene	25.0	21.9		ug/L		88	74 - 127	3	15
Tetrachloroethene	25.0	26.5		ug/L		106	74 - 122	4	20
Toluene	25.0	23.5		ug/L		94	80 - 122	2	15
trans-1,2-Dichloroethene	25.0	23.2		ug/L		93	73 - 127	3	20
trans-1,3-Dichloropropene	25.0	24.9		ug/L		100	80 - 120	2	15
Trichloroethene	25.0	23.8		ug/L		95	74 - 123	4	16
Trichlorofluoromethane	25.0	25.8		ug/L		103	62 - 150	5	20
Vinyl acetate	50.0	45.2		ug/L		90	50 - 144	1	23
Vinyl chloride	25.0	21.5		ug/L		86	65 - 133	4	15
cis-1,3-Dichloropropene	25.0	25.0		ug/L		100	74 - 124	3	15
Styrene	25.0	24.4		ug/L		98	80 - 120	3	20
tert-Butylbenzene	25.0	23.4		ug/L		94	75 - 123	1	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
4-Bromofluorobenzene (Surr)	115		73 - 120
Toluene-d8 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	107		75 - 123

Lab Sample ID: MB 480-494726/8

Matrix: Water

Analysis Batch: 494726

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/28/19 21:29	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/28/19 21:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/28/19 21:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/28/19 21:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/28/19 21:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/28/19 21:29	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/28/19 21:29	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/28/19 21:29	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: MB 480-494726/8

Matrix: Water

Analysis Batch: 494726

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/28/19 21:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/28/19 21:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/28/19 21:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/28/19 21:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/28/19 21:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/28/19 21:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/28/19 21:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/28/19 21:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/28/19 21:29	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/28/19 21:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/28/19 21:29	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/28/19 21:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/28/19 21:29	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/28/19 21:29	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/28/19 21:29	1
2-Hexanone	ND		5.0	1.2	ug/L			09/28/19 21:29	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/28/19 21:29	1
p-Cymene	ND		1.0	0.31	ug/L			09/28/19 21:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/28/19 21:29	1
Acetone	ND		10	3.0	ug/L			09/28/19 21:29	1
Benzene	ND		1.0	0.41	ug/L			09/28/19 21:29	1
Bromobenzene	ND		1.0	0.80	ug/L			09/28/19 21:29	1
Bromoform	ND		1.0	0.26	ug/L			09/28/19 21:29	1
Bromomethane	ND		1.0	0.69	ug/L			09/28/19 21:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/28/19 21:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/28/19 21:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/28/19 21:29	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/28/19 21:29	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/28/19 21:29	1
Chloroethane	ND		1.0	0.32	ug/L			09/28/19 21:29	1
Chloroform	ND		1.0	0.34	ug/L			09/28/19 21:29	1
Chloromethane	ND		1.0	0.35	ug/L			09/28/19 21:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/28/19 21:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/28/19 21:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/28/19 21:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/28/19 21:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/28/19 21:29	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			09/28/19 21:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/28/19 21:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/28/19 21:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/28/19 21:29	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/28/19 21:29	1
Naphthalene	ND		1.0	0.43	ug/L			09/28/19 21:29	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/28/19 21:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/28/19 21:29	1
o-Xylene	ND		1.0	0.76	ug/L			09/28/19 21:29	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/28/19 21:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/28/19 21:29	1
Toluene	ND		1.0	0.51	ug/L			09/28/19 21:29	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: MB 480-494726/8

Matrix: Water

Analysis Batch: 494726

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/28/19 21:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/28/19 21:29	1
Trichloroethene	ND		1.0	0.46	ug/L			09/28/19 21:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/28/19 21:29	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/28/19 21:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/28/19 21:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/28/19 21:29	1
Styrene	ND		1.0	0.73	ug/L			09/28/19 21:29	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/28/19 21:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		09/28/19 21:29	1
4-Bromofluorobenzene (Surr)	101		73 - 120		09/28/19 21:29	1
Toluene-d8 (Surr)	99		80 - 120		09/28/19 21:29	1
Dibromofluoromethane (Surr)	106		75 - 123		09/28/19 21:29	1

Lab Sample ID: LCS 480-494726/6

Matrix: Water

Analysis Batch: 494726

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	26.3		ug/L		105	80 - 120
1,1,1-Trichloroethane	25.0	21.7		ug/L		87	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.1		ug/L		96	76 - 120
1,1,2-Trichloroethane	25.0	26.0		ug/L		104	76 - 122
1,1-Dichloroethane	25.0	23.4		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	18.8		ug/L		75	66 - 127
1,1-Dichloropropene	25.0	20.3		ug/L		81	72 - 122
1,2,3-Trichlorobenzene	25.0	23.9		ug/L		96	75 - 123
1,2,3-Trichloropropane	25.0	25.0		ug/L		100	68 - 122
1,2,4-Trichlorobenzene	25.0	23.4		ug/L		94	79 - 122
1,2,4-Trimethylbenzene	25.0	23.4		ug/L		94	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	24.5		ug/L		98	56 - 134
1,2-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	25.7		ug/L		103	75 - 120
1,2-Dichloropropane	25.0	26.5		ug/L		106	76 - 120
1,3,5-Trimethylbenzene	25.0	22.5		ug/L		90	77 - 121
1,3-Dichlorobenzene	25.0	24.3		ug/L		97	77 - 120
1,3-Dichloropropane	25.0	27.3		ug/L		109	75 - 120
1,4-Dichlorobenzene	25.0	24.4		ug/L		97	80 - 120
2,2-Dichloropropane	25.0	19.3		ug/L		77	63 - 136
2-Butanone (MEK)	125	160		ug/L		128	57 - 140
2-Chloroethyl vinyl ether	25.0	30.8		ug/L		123	70 - 129
o-Chlorotoluene	25.0	23.6		ug/L		94	76 - 121
2-Hexanone	125	142		ug/L		113	65 - 127
p-Chlorotoluene	25.0	23.8		ug/L		95	77 - 121
p-Cymene	25.0	21.2		ug/L		85	73 - 120
4-Methyl-2-pentanone (MIBK)	125	137		ug/L		110	71 - 125

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: LCS 480-494726/6

Matrix: Water

Analysis Batch: 494726

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	172		ug/L		138	56 - 142
Benzene	25.0	24.6		ug/L		98	71 - 124
Bromobenzene	25.0	25.5		ug/L		102	78 - 120
Bromoform	25.0	25.5		ug/L		102	61 - 132
Bromomethane	25.0	20.6		ug/L		82	55 - 144
Carbon disulfide	25.0	18.8		ug/L		75	59 - 134
Carbon tetrachloride	25.0	19.7		ug/L		79	72 - 134
Chlorobenzene	25.0	25.9		ug/L		104	80 - 120
Bromochloromethane	25.0	25.5		ug/L		102	72 - 130
Chlorodibromomethane	25.0	27.2		ug/L		109	75 - 125
Chloroethane	25.0	18.5		ug/L		74	69 - 136
Chloroform	25.0	22.8		ug/L		91	73 - 127
Chloromethane	25.0	19.1		ug/L		76	68 - 124
cis-1,2-Dichloroethene	25.0	25.1		ug/L		101	74 - 124
Bromodichloromethane	25.0	26.1		ug/L		104	80 - 122
Dichlorodifluoromethane	25.0	12.6 *		ug/L		50	59 - 135
Ethylbenzene	25.0	23.9		ug/L		96	77 - 123
1,2-Dibromoethane	25.0	26.8		ug/L		107	77 - 120
Hexachlorobutadiene	25.0	18.4		ug/L		74	68 - 131
Isopropylbenzene	25.0	21.4		ug/L		86	77 - 122
Methyl tert-butyl ether	25.0	25.6		ug/L		102	77 - 120
Methylene Chloride	25.0	25.7		ug/L		103	75 - 124
m-Xylene & p-Xylene	25.0	24.3		ug/L		97	76 - 122
Naphthalene	25.0	24.0		ug/L		96	66 - 125
n-Butylbenzene	25.0	19.7		ug/L		79	71 - 128
N-Propylbenzene	25.0	21.1		ug/L		84	75 - 127
o-Xylene	25.0	23.6		ug/L		94	76 - 122
sec-Butylbenzene	25.0	19.9		ug/L		79	74 - 127
Tetrachloroethene	25.0	22.0		ug/L		88	74 - 122
Toluene	25.0	24.2		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	22.1		ug/L		88	73 - 127
trans-1,3-Dichloropropene	25.0	25.3		ug/L		101	80 - 120
Trichloroethene	25.0	24.3		ug/L		97	74 - 123
Trichlorofluoromethane	25.0	17.4		ug/L		69	62 - 150
Vinyl acetate	50.0	48.9		ug/L		98	50 - 144
Vinyl chloride	25.0	16.7		ug/L		67	65 - 133
cis-1,3-Dichloropropene	25.0	26.7		ug/L		107	74 - 124
Styrene	25.0	26.1		ug/L		104	80 - 120
tert-Butylbenzene	25.0	21.3		ug/L		85	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	106		73 - 120
Toluene-d8 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	101		75 - 123

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: 480-159830-14 MS

Matrix: Water

Analysis Batch: 494726

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	5370		ug/L		107	80 - 120
1,1,1-Trichloroethane	ND		5000	5230		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	ND		5000	4850		ug/L		97	76 - 120
1,1,2-Trichloroethane	ND		5000	5180		ug/L		104	76 - 122
1,1-Dichloroethane	ND		5000	5160		ug/L		103	77 - 120
1,1-Dichloroethene	ND		5000	5090		ug/L		102	66 - 127
1,1-Dichloropropene	ND		5000	4980		ug/L		100	72 - 122
1,2,3-Trichlorobenzene	110	J	5000	4890		ug/L		96	75 - 123
1,2,3-Trichloropropane	ND		5000	4890		ug/L		98	68 - 122
1,2,4-Trichlorobenzene	340		5000	4970		ug/L		93	79 - 122
1,2,4-Trimethylbenzene	ND		5000	5080		ug/L		102	76 - 121
1,2-Dibromo-3-Chloropropane	ND		5000	4630		ug/L		93	56 - 134
1,2-Dichlorobenzene	9400		5000	14300		ug/L		98	80 - 124
1,2-Dichloroethane	ND		5000	5370		ug/L		107	75 - 120
1,2-Dichloropropane	ND		5000	5470		ug/L		109	76 - 120
1,3,5-Trimethylbenzene	ND		5000	4890		ug/L		98	77 - 121
1,3-Dichlorobenzene	1600		5000	6640		ug/L		101	77 - 120
1,3-Dichloropropane	ND		5000	5210		ug/L		104	75 - 120
1,4-Dichlorobenzene	15000		5000	18800		ug/L		84	78 - 124
2,2-Dichloropropane	ND		5000	3900		ug/L		78	63 - 136
2-Butanone (MEK)	ND		25000	29700		ug/L		119	57 - 140
2-Chloroethyl vinyl ether	ND		5000	6000		ug/L		120	70 - 129
o-Chlorotoluene	ND		5000	5140		ug/L		103	76 - 121
2-Hexanone	ND		25000	26800		ug/L		107	65 - 127
p-Chlorotoluene	ND		5000	4960		ug/L		99	77 - 121
p-Cymene	ND		5000	4860		ug/L		97	73 - 120
4-Methyl-2-pentanone (MIBK)	ND		25000	26200		ug/L		105	71 - 125
Acetone	ND		25000	32700		ug/L		131	56 - 142
Benzene	630		5000	6020		ug/L		108	71 - 124
Bromobenzene	ND		5000	5150		ug/L		103	78 - 120
Bromoform	ND		5000	5180		ug/L		104	61 - 132
Bromomethane	ND		5000	4460		ug/L		89	55 - 144
Carbon disulfide	ND		5000	4840		ug/L		97	59 - 134
Carbon tetrachloride	ND		5000	5200		ug/L		104	72 - 134
Chlorobenzene	12000	F1	5000	16100		ug/L		89	80 - 120
Bromochloromethane	ND		5000	5330		ug/L		107	72 - 130
Chlorodibromomethane	ND		5000	5380		ug/L		108	75 - 125
Chloroethane	ND		5000	4070		ug/L		81	69 - 136
Chloroform	ND		5000	4860		ug/L		97	73 - 127
Chloromethane	ND		5000	4100		ug/L		82	68 - 124
cis-1,2-Dichloroethene	ND		5000	5270		ug/L		105	74 - 124
Bromodichloromethane	ND		5000	5300		ug/L		106	80 - 122
Dichlorodifluoromethane	ND	* F1	5000	2870	F1	ug/L		57	59 - 135
Ethylbenzene	ND		5000	5280		ug/L		106	77 - 123
1,2-Dibromoethane	ND		5000	5410		ug/L		108	77 - 120
Hexachlorobutadiene	ND		5000	4290		ug/L		86	68 - 131
Isopropylbenzene	ND		5000	4900		ug/L		98	77 - 122
Methyl tert-butyl ether	ND		5000	5180		ug/L		104	77 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: 480-159830-14 MS

Matrix: Water

Analysis Batch: 494726

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
Methylene Chloride	190	J	5000	5330		ug/L		103	75 - 124
m-Xylene & p-Xylene	ND		5000	5180		ug/L		104	76 - 122
Naphthalene	ND		5000	4850		ug/L		97	66 - 125
n-Butylbenzene	ND		5000	4560		ug/L		91	71 - 128
N-Propylbenzene	ND		5000	4770		ug/L		95	75 - 127
o-Xylene	ND		5000	5060		ug/L		101	76 - 122
sec-Butylbenzene	ND		5000	4930		ug/L		99	74 - 127
Tetrachloroethene	ND		5000	5170		ug/L		103	74 - 122
Toluene	ND		5000	5130		ug/L		103	80 - 122
trans-1,2-Dichloroethene	ND		5000	5060		ug/L		101	73 - 127
trans-1,3-Dichloropropene	ND		5000	5030		ug/L		101	80 - 120
Trichloroethene	ND		5000	5280		ug/L		106	74 - 123
Trichlorofluoromethane	ND		5000	4100		ug/L		82	62 - 150
Vinyl acetate	ND		10000	9570		ug/L		96	50 - 144
Vinyl chloride	ND		5000	4130		ug/L		83	65 - 133
cis-1,3-Dichloropropene	ND		5000	5400		ug/L		108	74 - 124
Styrene	ND		5000	5300		ug/L		106	80 - 120
tert-Butylbenzene	ND		5000	4920		ug/L		98	75 - 123

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	103		73 - 120
Toluene-d8 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	104		75 - 123

Lab Sample ID: 480-159830-14 MSD

Matrix: Water

Analysis Batch: 494726

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	5250		ug/L		105	80 - 120	2	20
1,1,1-Trichloroethane	ND		5000	5140		ug/L		103	73 - 126	2	15
1,1,2,2-Tetrachloroethane	ND		5000	4800		ug/L		96	76 - 120	1	15
1,1,2-Trichloroethane	ND		5000	4910		ug/L		98	76 - 122	5	15
1,1-Dichloroethane	ND		5000	5160		ug/L		103	77 - 120	0	20
1,1-Dichloroethene	ND		5000	5110		ug/L		102	66 - 127	0	16
1,1-Dichloropropene	ND		5000	4820		ug/L		96	72 - 122	3	20
1,2,3-Trichlorobenzene	110	J	5000	5140		ug/L		101	75 - 123	5	20
1,2,3-Trichloropropane	ND		5000	4990		ug/L		100	68 - 122	2	14
1,2,4-Trichlorobenzene	340		5000	5190		ug/L		97	79 - 122	4	20
1,2,4-Trimethylbenzene	ND		5000	5010		ug/L		100	76 - 121	1	20
1,2-Dibromo-3-Chloropropane	ND		5000	4330		ug/L		87	56 - 134	7	15
1,2-Dichlorobenzene	9400		5000	14600		ug/L		103	80 - 124	2	20
1,2-Dichloroethane	ND		5000	5120		ug/L		102	75 - 120	5	20
1,2-Dichloropropane	ND		5000	5110		ug/L		102	76 - 120	7	20
1,3,5-Trimethylbenzene	ND		5000	4780		ug/L		96	77 - 121	2	20
1,3-Dichlorobenzene	1600		5000	6500		ug/L		98	77 - 120	2	20
1,3-Dichloropropane	ND		5000	5100		ug/L		102	75 - 120	2	20

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: 480-159830-14 MSD

Matrix: Water

Analysis Batch: 494726

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
1,4-Dichlorobenzene	15000		5000	18900		ug/L		86	78 - 124	0	20
2,2-Dichloropropane	ND		5000	3910		ug/L		78	63 - 136	0	20
2-Butanone (MEK)	ND		25000	27400		ug/L		110	57 - 140	8	20
2-Chloroethyl vinyl ether	ND		5000	5380		ug/L		108	70 - 129	11	20
o-Chlorotoluene	ND		5000	5100		ug/L		102	76 - 121	1	20
2-Hexanone	ND		25000	25700		ug/L		103	65 - 127	4	15
p-Chlorotoluene	ND		5000	4810		ug/L		96	77 - 121	3	15
p-Cymene	ND		5000	4930		ug/L		99	73 - 120	1	20
4-Methyl-2-pentanone (MIBK)	ND		25000	25500		ug/L		102	71 - 125	3	35
Acetone	ND		25000	31600		ug/L		126	56 - 142	4	15
Benzene	630		5000	5700		ug/L		101	71 - 124	5	13
Bromobenzene	ND		5000	5030		ug/L		101	78 - 120	2	15
Bromoform	ND		5000	5000		ug/L		100	61 - 132	3	15
Bromomethane	ND		5000	4180		ug/L		84	55 - 144	6	15
Carbon disulfide	ND		5000	4850		ug/L		97	59 - 134	0	15
Carbon tetrachloride	ND		5000	4970		ug/L		99	72 - 134	5	15
Chlorobenzene	12000	F1	5000	15600	F1	ug/L		79	80 - 120	3	25
Bromochloromethane	ND		5000	5160		ug/L		103	72 - 130	3	15
Chlorodibromomethane	ND		5000	5560		ug/L		111	75 - 125	3	15
Chloroethane	ND		5000	4000		ug/L		80	69 - 136	2	15
Chloroform	ND		5000	4710		ug/L		94	73 - 127	3	20
Chloromethane	ND		5000	3900		ug/L		78	68 - 124	5	15
cis-1,2-Dichloroethene	ND		5000	5220		ug/L		104	74 - 124	1	15
Bromodichloromethane	ND		5000	5200		ug/L		104	80 - 122	2	15
Dichlorodifluoromethane	ND	* F1	5000	2940		ug/L		59	59 - 135	2	20
Ethylbenzene	ND		5000	5140		ug/L		103	77 - 123	3	15
1,2-Dibromoethane	ND		5000	5240		ug/L		105	77 - 120	3	15
Hexachlorobutadiene	ND		5000	4420		ug/L		88	68 - 131	3	20
Isopropylbenzene	ND		5000	4910		ug/L		98	77 - 122	0	20
Methyl tert-butyl ether	ND		5000	5220		ug/L		104	77 - 120	1	37
Methylene Chloride	190	J	5000	5410		ug/L		104	75 - 124	1	15
m-Xylene & p-Xylene	ND		5000	4990		ug/L		100	76 - 122	4	16
Naphthalene	ND		5000	4960		ug/L		99	66 - 125	2	20
n-Butylbenzene	ND		5000	4720		ug/L		94	71 - 128	3	15
N-Propylbenzene	ND		5000	4690		ug/L		94	75 - 127	2	15
o-Xylene	ND		5000	5000		ug/L		100	76 - 122	1	16
sec-Butylbenzene	ND		5000	4790		ug/L		96	74 - 127	3	15
Tetrachloroethene	ND		5000	5010		ug/L		100	74 - 122	3	20
Toluene	ND		5000	4950		ug/L		99	80 - 122	4	15
trans-1,2-Dichloroethene	ND		5000	5070		ug/L		101	73 - 127	0	20
trans-1,3-Dichloropropene	ND		5000	4520		ug/L		90	80 - 120	11	15
Trichloroethene	ND		5000	4950		ug/L		99	74 - 123	6	16
Trichlorofluoromethane	ND		5000	4150		ug/L		83	62 - 150	1	20
Vinyl acetate	ND		10000	9120		ug/L		91	50 - 144	5	23
Vinyl chloride	ND		5000	3930		ug/L		79	65 - 133	5	15
cis-1,3-Dichloropropene	ND		5000	4840		ug/L		97	74 - 124	11	15
Styrene	ND		5000	5120		ug/L		102	80 - 120	3	20
tert-Butylbenzene	ND		5000	4740		ug/L		95	75 - 123	4	15

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: 480-159830-14 MSD

Matrix: Water

Analysis Batch: 494726

Client Sample ID: OW-18A

Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	103		75 - 123

Lab Sample ID: MB 480-494755/7

Matrix: Water

Analysis Batch: 494755

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/28/19 23:21	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/28/19 23:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/28/19 23:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/28/19 23:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/28/19 23:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/28/19 23:21	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/28/19 23:21	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/28/19 23:21	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/28/19 23:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/28/19 23:21	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/28/19 23:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/28/19 23:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/28/19 23:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/28/19 23:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/28/19 23:21	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/28/19 23:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/28/19 23:21	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/28/19 23:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/28/19 23:21	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/28/19 23:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/28/19 23:21	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/28/19 23:21	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/28/19 23:21	1
2-Hexanone	ND		5.0	1.2	ug/L			09/28/19 23:21	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/28/19 23:21	1
p-Cymene	ND		1.0	0.31	ug/L			09/28/19 23:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/28/19 23:21	1
Acetone	ND		10	3.0	ug/L			09/28/19 23:21	1
Benzene	ND		1.0	0.41	ug/L			09/28/19 23:21	1
Bromobenzene	ND		1.0	0.80	ug/L			09/28/19 23:21	1
Bromoform	ND		1.0	0.26	ug/L			09/28/19 23:21	1
Bromomethane	ND		1.0	0.69	ug/L			09/28/19 23:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/28/19 23:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/28/19 23:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/28/19 23:21	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/28/19 23:21	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/28/19 23:21	1
Chloroethane	ND		1.0	0.32	ug/L			09/28/19 23:21	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: MB 480-494755/7

Matrix: Water

Analysis Batch: 494755

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			09/28/19 23:21	1
Chloromethane	ND		1.0	0.35	ug/L			09/28/19 23:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/28/19 23:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/28/19 23:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/28/19 23:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/28/19 23:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/28/19 23:21	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			09/28/19 23:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/28/19 23:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/28/19 23:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/28/19 23:21	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/28/19 23:21	1
Naphthalene	ND		1.0	0.43	ug/L			09/28/19 23:21	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/28/19 23:21	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/28/19 23:21	1
o-Xylene	ND		1.0	0.76	ug/L			09/28/19 23:21	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/28/19 23:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/28/19 23:21	1
Toluene	ND		1.0	0.51	ug/L			09/28/19 23:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/28/19 23:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/28/19 23:21	1
Trichloroethene	ND		1.0	0.46	ug/L			09/28/19 23:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/28/19 23:21	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/28/19 23:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/28/19 23:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/28/19 23:21	1
Styrene	ND		1.0	0.73	ug/L			09/28/19 23:21	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/28/19 23:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		77 - 120		09/28/19 23:21	1
4-Bromofluorobenzene (Surr)	112		73 - 120		09/28/19 23:21	1
Toluene-d8 (Surr)	113		80 - 120		09/28/19 23:21	1
Dibromofluoromethane (Surr)	121		75 - 123		09/28/19 23:21	1

Lab Sample ID: LCS 480-494755/5

Matrix: Water

Analysis Batch: 494755

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	27.5		ug/L		110	80 - 120
1,1,1-Trichloroethane	25.0	25.1		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.1		ug/L		97	76 - 120
1,1,2-Trichloroethane	25.0	26.1		ug/L		104	76 - 122
1,1-Dichloroethane	25.0	26.8		ug/L		107	77 - 120
1,1-Dichloroethene	25.0	23.6		ug/L		94	66 - 127
1,1-Dichloropropene	25.0	24.2		ug/L		97	72 - 122
1,2,3-Trichlorobenzene	25.0	22.5		ug/L		90	75 - 123

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: LCS 480-494755/5

Matrix: Water

Analysis Batch: 494755

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	25.0	24.4		ug/L		97	68 - 122
1,2,4-Trichlorobenzene	25.0	22.6		ug/L		90	79 - 122
1,2,4-Trimethylbenzene	25.0	24.8		ug/L		99	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	20.0		ug/L		80	56 - 134
1,2-Dichlorobenzene	25.0	26.3		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	25.0		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	26.6		ug/L		107	76 - 120
1,3,5-Trimethylbenzene	25.0	24.6		ug/L		98	77 - 121
1,3-Dichlorobenzene	25.0	25.9		ug/L		103	77 - 120
1,3-Dichloropropane	25.0	27.3		ug/L		109	75 - 120
1,4-Dichlorobenzene	25.0	25.8		ug/L		103	80 - 120
2,2-Dichloropropane	25.0	25.0		ug/L		100	63 - 136
2-Butanone (MEK)	125	154		ug/L		123	57 - 140
2-Chloroethyl vinyl ether	25.0	26.1		ug/L		104	70 - 129
o-Chlorotoluene	25.0	25.1		ug/L		100	76 - 121
2-Hexanone	125	129		ug/L		103	65 - 127
p-Chlorotoluene	25.0	25.0		ug/L		100	77 - 121
p-Cymene	25.0	23.7		ug/L		95	73 - 120
4-Methyl-2-pentanone (MIBK)	125	134		ug/L		107	71 - 125
Acetone	125	153		ug/L		122	56 - 142
Benzene	25.0	26.1		ug/L		105	71 - 124
Bromobenzene	25.0	28.1		ug/L		112	78 - 120
Bromoform	25.0	25.1		ug/L		100	61 - 132
Bromomethane	25.0	20.3		ug/L		81	55 - 144
Carbon disulfide	25.0	23.5		ug/L		94	59 - 134
Carbon tetrachloride	25.0	24.2		ug/L		97	72 - 134
Chlorobenzene	25.0	26.2		ug/L		105	80 - 120
Bromochloromethane	25.0	27.8		ug/L		111	72 - 130
Chlorodibromomethane	25.0	26.7		ug/L		107	75 - 125
Chloroethane	25.0	20.9		ug/L		84	69 - 136
Chloroform	25.0	24.8		ug/L		99	73 - 127
Chloromethane	25.0	18.5		ug/L		74	68 - 124
cis-1,2-Dichloroethene	25.0	25.5		ug/L		102	74 - 124
Bromodichloromethane	25.0	24.8		ug/L		99	80 - 122
Dichlorodifluoromethane	25.0	9.97	*	ug/L		40	59 - 135
Ethylbenzene	25.0	25.9		ug/L		104	77 - 123
1,2-Dibromoethane	25.0	25.9		ug/L		103	77 - 120
Hexachlorobutadiene	25.0	18.6		ug/L		74	68 - 131
Isopropylbenzene	25.0	24.5		ug/L		98	77 - 122
Methyl tert-butyl ether	25.0	25.8		ug/L		103	77 - 120
Methylene Chloride	25.0	26.3		ug/L		105	75 - 124
m-Xylene & p-Xylene	25.0	24.6		ug/L		98	76 - 122
Naphthalene	25.0	20.6		ug/L		82	66 - 125
n-Butylbenzene	25.0	23.1		ug/L		92	71 - 128
N-Propylbenzene	25.0	24.7		ug/L		99	75 - 127
o-Xylene	25.0	25.1		ug/L		100	76 - 122
sec-Butylbenzene	25.0	23.2		ug/L		93	74 - 127
Tetrachloroethene	25.0	26.0		ug/L		104	74 - 122
Toluene	25.0	26.1		ug/L		104	80 - 122

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: LCS 480-494755/5

Matrix: Water

Analysis Batch: 494755

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	25.0	25.8		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	25.8		ug/L		103	80 - 120
Trichloroethene	25.0	25.7		ug/L		103	74 - 123
Trichlorofluoromethane	25.0	20.8		ug/L		83	62 - 150
Vinyl acetate	50.0	53.2		ug/L		106	50 - 144
Vinyl chloride	25.0	19.0		ug/L		76	65 - 133
cis-1,3-Dichloropropene	25.0	24.4		ug/L		98	74 - 124
Styrene	25.0	26.6		ug/L		106	80 - 120
tert-Butylbenzene	25.0	23.5		ug/L		94	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		77 - 120
4-Bromofluorobenzene (Surr)	114		73 - 120
Toluene-d8 (Surr)	116		80 - 120
Dibromofluoromethane (Surr)	109		75 - 123

Lab Sample ID: 480-159830-26 MS

Matrix: Water

Analysis Batch: 494755

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	10900		ug/L		109	80 - 120
1,1,1-Trichloroethane	ND		10000	9720		ug/L		97	73 - 126
1,1,2,2-Tetrachloroethane	ND		10000	10300		ug/L		103	76 - 120
1,1,2-Trichloroethane	ND		10000	10600		ug/L		106	76 - 122
1,1-Dichloroethane	ND		10000	10600		ug/L		106	77 - 120
1,1-Dichloroethene	120 J		10000	9920		ug/L		98	66 - 127
1,1-Dichloropropene	ND		10000	10000		ug/L		100	72 - 122
1,2,3-Trichlorobenzene	ND		10000	8560		ug/L		86	75 - 123
1,2,3-Trichloropropane	ND		10000	10000		ug/L		100	68 - 122
1,2,4-Trichlorobenzene	370 J		10000	8870		ug/L		85	79 - 122
1,2,4-Trimethylbenzene	ND		10000	10100		ug/L		101	76 - 121
1,2-Dibromo-3-Chloropropane	ND		10000	8130		ug/L		81	56 - 134
1,2-Dichlorobenzene	990		10000	11500		ug/L		105	80 - 124
1,2-Dichloroethane	ND		10000	9990		ug/L		100	75 - 120
1,2-Dichloropropane	ND		10000	10800		ug/L		108	76 - 120
1,3,5-Trimethylbenzene	ND		10000	9980		ug/L		100	77 - 121
1,3-Dichlorobenzene	ND		10000	10700		ug/L		107	77 - 120
1,3-Dichloropropane	ND		10000	11000		ug/L		110	75 - 120
1,4-Dichlorobenzene	630		10000	11100		ug/L		105	78 - 124
2,2-Dichloropropane	ND		10000	8250		ug/L		83	63 - 136
2-Butanone (MEK)	ND		50000	60600		ug/L		121	57 - 140
2-Chloroethyl vinyl ether	ND		10000	10400		ug/L		104	70 - 129
o-Chlorotoluene	ND		10000	10500		ug/L		105	76 - 121
2-Hexanone	ND		50000	52000		ug/L		104	65 - 127
p-Chlorotoluene	ND		10000	10300		ug/L		103	77 - 121
p-Cymene	ND		10000	9600		ug/L		96	73 - 120
4-Methyl-2-pentanone (MIBK)	ND		50000	53600		ug/L		107	71 - 125

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: 480-159830-26 MS

Matrix: Water

Analysis Batch: 494755

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
Acetone	ND		50000	53800		ug/L		108	56 - 142
Benzene	4400		10000	14300		ug/L		99	71 - 124
Bromobenzene	ND		10000	11200		ug/L		112	78 - 120
Bromoform	ND		10000	10600		ug/L		106	61 - 132
Bromomethane	ND		10000	8610		ug/L		86	55 - 144
Carbon disulfide	ND		10000	9930		ug/L		99	59 - 134
Carbon tetrachloride	ND		10000	9770		ug/L		98	72 - 134
Chlorobenzene	4900		10000	15200		ug/L		103	80 - 120
Bromochloromethane	ND		10000	11300		ug/L		113	72 - 130
Chlorodibromomethane	ND		10000	11100		ug/L		111	75 - 125
Chloroethane	ND		10000	9260		ug/L		93	69 - 136
Chloroform	ND		10000	9960		ug/L		100	73 - 127
Chloromethane	ND		10000	8130		ug/L		81	68 - 124
cis-1,2-Dichloroethene	29000		10000	36300		ug/L		78	74 - 124
Bromodichloromethane	ND		10000	10300		ug/L		103	80 - 122
Dichlorodifluoromethane	ND	F1 *	10000	5030	F1	ug/L		50	59 - 135
Ethylbenzene	ND		10000	10500		ug/L		105	77 - 123
1,2-Dibromoethane	ND		10000	10400		ug/L		104	77 - 120
Hexachlorobutadiene	ND		10000	7780		ug/L		78	68 - 131
Isopropylbenzene	ND		10000	10100		ug/L		101	77 - 122
Methyl tert-butyl ether	ND		10000	10300		ug/L		103	77 - 120
Methylene Chloride	310	J	10000	10800		ug/L		105	75 - 124
m-Xylene & p-Xylene	ND		10000	10100		ug/L		101	76 - 122
Naphthalene	ND		10000	7870		ug/L		79	66 - 125
n-Butylbenzene	ND		10000	9310		ug/L		93	71 - 128
N-Propylbenzene	ND		10000	10100		ug/L		101	75 - 127
o-Xylene	ND		10000	10100		ug/L		101	76 - 122
sec-Butylbenzene	ND		10000	9860		ug/L		99	74 - 127
Tetrachloroethene	400		10000	11200		ug/L		108	74 - 122
Toluene	ND		10000	10700		ug/L		107	80 - 122
trans-1,2-Dichloroethene	450		10000	10800		ug/L		104	73 - 127
trans-1,3-Dichloropropene	ND		10000	10500		ug/L		105	80 - 120
Trichloroethene	410		10000	10800		ug/L		104	74 - 123
Trichlorofluoromethane	ND		10000	9070		ug/L		91	62 - 150
Vinyl acetate	ND		20000	19600		ug/L		98	50 - 144
Vinyl chloride	2200		10000	10500		ug/L		83	65 - 133
cis-1,3-Dichloropropene	ND		10000	9620		ug/L		96	74 - 124
Styrene	ND		10000	10600		ug/L		106	80 - 120
tert-Butylbenzene	ND		10000	9470		ug/L		95	75 - 123

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		77 - 120
4-Bromofluorobenzene (Surr)	114		73 - 120
Toluene-d8 (Surr)	114		80 - 120
Dibromofluoromethane (Surr)	111		75 - 123

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: 480-159830-26 MSD

Matrix: Water

Analysis Batch: 494755

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	11000		ug/L		110	80 - 120	1	20
1,1,1-Trichloroethane	ND		10000	10000		ug/L		100	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		10000	10600		ug/L		106	76 - 120	3	15
1,1,2-Trichloroethane	ND		10000	10300		ug/L		103	76 - 122	3	15
1,1-Dichloroethane	ND		10000	11000		ug/L		110	77 - 120	3	20
1,1-Dichloroethene	120	J	10000	9840		ug/L		97	66 - 127	1	16
1,1-Dichloropropene	ND		10000	10300		ug/L		103	72 - 122	3	20
1,2,3-Trichlorobenzene	ND		10000	9010		ug/L		90	75 - 123	5	20
1,2,3-Trichloropropane	ND		10000	10500		ug/L		105	68 - 122	5	14
1,2,4-Trichlorobenzene	370	J	10000	9200		ug/L		88	79 - 122	4	20
1,2,4-Trimethylbenzene	ND		10000	10100		ug/L		101	76 - 121	0	20
1,2-Dibromo-3-Chloropropane	ND		10000	8950		ug/L		89	56 - 134	10	15
1,2-Dichlorobenzene	990		10000	11700		ug/L		107	80 - 124	2	20
1,2-Dichloroethane	ND		10000	10400		ug/L		104	75 - 120	4	20
1,2-Dichloropropane	ND		10000	11000		ug/L		110	76 - 120	2	20
1,3,5-Trimethylbenzene	ND		10000	10300		ug/L		103	77 - 121	3	20
1,3-Dichlorobenzene	ND		10000	10900		ug/L		109	77 - 120	1	20
1,3-Dichloropropane	ND		10000	10900		ug/L		109	75 - 120	1	20
1,4-Dichlorobenzene	630		10000	11100		ug/L		104	78 - 124	0	20
2,2-Dichloropropane	ND		10000	8450		ug/L		85	63 - 136	2	20
2-Butanone (MEK)	ND		50000	65800		ug/L		132	57 - 140	8	20
2-Chloroethyl vinyl ether	ND		10000	10500		ug/L		105	70 - 129	1	20
o-Chlorotoluene	ND		10000	10700		ug/L		107	76 - 121	2	20
2-Hexanone	ND		50000	53800		ug/L		108	65 - 127	3	15
p-Chlorotoluene	ND		10000	10700		ug/L		107	77 - 121	4	15
p-Cymene	ND		10000	9690		ug/L		97	73 - 120	1	20
4-Methyl-2-pentanone (MIBK)	ND		50000	54700		ug/L		109	71 - 125	2	35
Acetone	ND		50000	59100		ug/L		118	56 - 142	9	15
Benzene	4400		10000	14900		ug/L		104	71 - 124	4	13
Bromobenzene	ND		10000	11300		ug/L		113	78 - 120	1	15
Bromoform	ND		10000	10700		ug/L		107	61 - 132	1	15
Bromomethane	ND		10000	8810		ug/L		88	55 - 144	2	15
Carbon disulfide	ND		10000	9930		ug/L		99	59 - 134	0	15
Carbon tetrachloride	ND		10000	10000		ug/L		100	72 - 134	3	15
Chlorobenzene	4900		10000	15000		ug/L		101	80 - 120	1	25
Bromochloromethane	ND		10000	11300		ug/L		113	72 - 130	1	15
Chlorodibromomethane	ND		10000	10900		ug/L		109	75 - 125	2	15
Chloroethane	ND		10000	9510		ug/L		95	69 - 136	3	15
Chloroform	ND		10000	10200		ug/L		102	73 - 127	3	20
Chloromethane	ND		10000	8360		ug/L		84	68 - 124	3	15
cis-1,2-Dichloroethene	29000		10000	37100		ug/L		86	74 - 124	2	15
Bromodichloromethane	ND		10000	10400		ug/L		104	80 - 122	2	15
Dichlorodifluoromethane	ND	F1 *	10000	4810	F1	ug/L		48	59 - 135	4	20
Ethylbenzene	ND		10000	10400		ug/L		104	77 - 123	1	15
1,2-Dibromoethane	ND		10000	10700		ug/L		107	77 - 120	2	15
Hexachlorobutadiene	ND		10000	7890		ug/L		79	68 - 131	1	20
Isopropylbenzene	ND		10000	10200		ug/L		102	77 - 122	2	20
Methyl tert-butyl ether	ND		10000	10700		ug/L		107	77 - 120	4	37

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: 480-159830-26 MSD

Matrix: Water

Analysis Batch: 494755

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
Methylene Chloride	310	J	10000	10800		ug/L		105	75 - 124	0	15
m-Xylene & p-Xylene	ND		10000	9820		ug/L		98	76 - 122	3	16
Naphthalene	ND		10000	8560		ug/L		86	66 - 125	8	20
n-Butylbenzene	ND		10000	9490		ug/L		95	71 - 128	2	15
N-Propylbenzene	ND		10000	10400		ug/L		104	75 - 127	2	15
o-Xylene	ND		10000	9970		ug/L		100	76 - 122	1	16
sec-Butylbenzene	ND		10000	9930		ug/L		99	74 - 127	1	15
Tetrachloroethene	400		10000	10800		ug/L		104	74 - 122	4	20
Toluene	ND		10000	10600		ug/L		106	80 - 122	0	15
trans-1,2-Dichloroethene	450		10000	10600		ug/L		101	73 - 127	2	20
trans-1,3-Dichloropropene	ND		10000	10300		ug/L		103	80 - 120	2	15
Trichloroethene	410		10000	11100		ug/L		107	74 - 123	3	16
Trichlorofluoromethane	ND		10000	9460		ug/L		95	62 - 150	4	20
Vinyl acetate	ND		20000	20500		ug/L		102	50 - 144	4	23
Vinyl chloride	2200		10000	10800		ug/L		86	65 - 133	3	15
cis-1,3-Dichloropropene	ND		10000	9970		ug/L		100	74 - 124	4	15
Styrene	ND		10000	10500		ug/L		105	80 - 120	0	20
tert-Butylbenzene	ND		10000	9940		ug/L		99	75 - 123	5	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	113		77 - 120
4-Bromofluorobenzene (Surr)	112		73 - 120
Toluene-d8 (Surr)	115		80 - 120
Dibromofluoromethane (Surr)	116		75 - 123

Lab Sample ID: MB 480-495002/8

Matrix: Water

Analysis Batch: 495002

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/30/19 22:23	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/30/19 22:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/30/19 22:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/30/19 22:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/30/19 22:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/30/19 22:23	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/30/19 22:23	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/30/19 22:23	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/30/19 22:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/30/19 22:23	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/30/19 22:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/30/19 22:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/30/19 22:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/30/19 22:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/30/19 22:23	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/30/19 22:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/30/19 22:23	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/30/19 22:23	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: MB 480-495002/8

Matrix: Water

Analysis Batch: 495002

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/30/19 22:23	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/30/19 22:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/30/19 22:23	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/30/19 22:23	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/30/19 22:23	1
2-Hexanone	ND		5.0	1.2	ug/L			09/30/19 22:23	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/30/19 22:23	1
p-Cymene	ND		1.0	0.31	ug/L			09/30/19 22:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/30/19 22:23	1
Acetone	ND		10	3.0	ug/L			09/30/19 22:23	1
Benzene	ND		1.0	0.41	ug/L			09/30/19 22:23	1
Bromobenzene	ND		1.0	0.80	ug/L			09/30/19 22:23	1
Bromoform	ND		1.0	0.26	ug/L			09/30/19 22:23	1
Bromomethane	ND		1.0	0.69	ug/L			09/30/19 22:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/30/19 22:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/30/19 22:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/30/19 22:23	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/30/19 22:23	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/30/19 22:23	1
Chloroethane	ND		1.0	0.32	ug/L			09/30/19 22:23	1
Chloroform	ND		1.0	0.34	ug/L			09/30/19 22:23	1
Chloromethane	ND		1.0	0.35	ug/L			09/30/19 22:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/30/19 22:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/30/19 22:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/30/19 22:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/30/19 22:23	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/30/19 22:23	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			09/30/19 22:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/30/19 22:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/30/19 22:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/30/19 22:23	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/30/19 22:23	1
Naphthalene	ND		1.0	0.43	ug/L			09/30/19 22:23	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/30/19 22:23	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/30/19 22:23	1
o-Xylene	ND		1.0	0.76	ug/L			09/30/19 22:23	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/30/19 22:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/30/19 22:23	1
Toluene	ND		1.0	0.51	ug/L			09/30/19 22:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/30/19 22:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/30/19 22:23	1
Trichloroethene	ND		1.0	0.46	ug/L			09/30/19 22:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/30/19 22:23	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/30/19 22:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/30/19 22:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/30/19 22:23	1
Styrene	ND		1.0	0.73	ug/L			09/30/19 22:23	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/30/19 22:23	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: MB 480-495002/8

Matrix: Water

Analysis Batch: 495002

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		09/30/19 22:23	1
4-Bromofluorobenzene (Surr)	110		73 - 120		09/30/19 22:23	1
Toluene-d8 (Surr)	109		80 - 120		09/30/19 22:23	1
Dibromofluoromethane (Surr)	113		75 - 123		09/30/19 22:23	1

Lab Sample ID: LCS 480-495002/5

Matrix: Water

Analysis Batch: 495002

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	27.2		ug/L		109	80 - 120
1,1,1,1-Trichloroethane	25.0	25.4		ug/L		102	73 - 126
1,1,1,2,2-Tetrachloroethane	25.0	22.4		ug/L		90	76 - 120
1,1,1,2-Trichloroethane	25.0	23.7		ug/L		95	76 - 122
1,1-Dichloroethane	25.0	24.2		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	23.2		ug/L		93	66 - 127
1,1-Dichloropropene	25.0	24.5		ug/L		98	72 - 122
1,2,3-Trichlorobenzene	25.0	25.2		ug/L		101	75 - 123
1,2,3-Trichloropropane	25.0	21.2		ug/L		85	68 - 122
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		98	79 - 122
1,2,4-Trimethylbenzene	25.0	25.2		ug/L		101	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	20.4		ug/L		81	56 - 134
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	24.9		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	24.7		ug/L		99	76 - 120
1,3,5-Trimethylbenzene	25.0	25.4		ug/L		102	77 - 121
1,3-Dichlorobenzene	25.0	24.8		ug/L		99	77 - 120
1,3-Dichloropropane	25.0	24.0		ug/L		96	75 - 120
1,4-Dichlorobenzene	25.0	24.6		ug/L		98	80 - 120
2,2-Dichloropropane	25.0	24.9		ug/L		100	63 - 136
2-Butanone (MEK)	125	92.2		ug/L		74	57 - 140
2-Chloroethyl vinyl ether	25.0	21.8		ug/L		87	70 - 129
o-Chlorotoluene	25.0	24.5		ug/L		98	76 - 121
2-Hexanone	125	100		ug/L		80	65 - 127
p-Chlorotoluene	25.0	23.2		ug/L		93	77 - 121
p-Cymene	25.0	25.1		ug/L		101	73 - 120
4-Methyl-2-pentanone (MIBK)	125	101		ug/L		81	71 - 125
Acetone	125	88.2		ug/L		71	56 - 142
Benzene	25.0	24.6		ug/L		98	71 - 124
Bromobenzene	25.0	25.8		ug/L		103	78 - 120
Bromoform	25.0	25.7		ug/L		103	61 - 132
Bromomethane	25.0	22.3		ug/L		89	55 - 144
Carbon disulfide	25.0	24.4		ug/L		98	59 - 134
Carbon tetrachloride	25.0	24.5		ug/L		98	72 - 134
Chlorobenzene	25.0	24.5		ug/L		98	80 - 120
Bromochloromethane	25.0	25.9		ug/L		103	72 - 130
Chlorodibromomethane	25.0	26.3		ug/L		105	75 - 125
Chloroethane	25.0	21.3		ug/L		85	69 - 136

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: LCS 480-495002/5

Matrix: Water

Analysis Batch: 495002

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	25.0	24.1		ug/L		96	73 - 127
Chloromethane	25.0	23.9		ug/L		96	68 - 124
cis-1,2-Dichloroethene	25.0	24.9		ug/L		99	74 - 124
Bromodichloromethane	25.0	27.3		ug/L		109	80 - 122
Dichlorodifluoromethane	25.0	26.0		ug/L		104	59 - 135
Ethylbenzene	25.0	23.9		ug/L		96	77 - 123
1,2-Dibromoethane	25.0	23.6		ug/L		94	77 - 120
Hexachlorobutadiene	25.0	24.0		ug/L		96	68 - 131
Isopropylbenzene	25.0	24.7		ug/L		99	77 - 122
Methyl tert-butyl ether	25.0	24.9		ug/L		99	77 - 120
Methylene Chloride	25.0	25.6		ug/L		103	75 - 124
m-Xylene & p-Xylene	25.0	24.3		ug/L		97	76 - 122
Naphthalene	25.0	23.5		ug/L		94	66 - 125
n-Butylbenzene	25.0	24.2		ug/L		97	71 - 128
N-Propylbenzene	25.0	23.9		ug/L		96	75 - 127
o-Xylene	25.0	25.0		ug/L		100	76 - 122
sec-Butylbenzene	25.0	25.1		ug/L		100	74 - 127
Tetrachloroethene	25.0	24.8		ug/L		99	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	24.9		ug/L		99	73 - 127
trans-1,3-Dichloropropene	25.0	25.5		ug/L		102	80 - 120
Trichloroethene	25.0	25.1		ug/L		100	74 - 123
Trichlorofluoromethane	25.0	23.5		ug/L		94	62 - 150
Vinyl acetate	50.0	45.9		ug/L		92	50 - 144
Vinyl chloride	25.0	24.6		ug/L		98	65 - 133
cis-1,3-Dichloropropene	25.0	25.8		ug/L		103	74 - 124
Styrene	25.0	25.8		ug/L		103	80 - 120
tert-Butylbenzene	25.0	24.9		ug/L		100	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		77 - 120
4-Bromofluorobenzene (Surr)	113		73 - 120
Toluene-d8 (Surr)	109		80 - 120
Dibromofluoromethane (Surr)	116		75 - 123

Lab Sample ID: MB 480-495007/8

Matrix: Water

Analysis Batch: 495007

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/30/19 22:19	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/30/19 22:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/30/19 22:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/30/19 22:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/30/19 22:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/30/19 22:19	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/30/19 22:19	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/30/19 22:19	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: MB 480-495007/8

Matrix: Water

Analysis Batch: 495007

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/30/19 22:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/30/19 22:19	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/30/19 22:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/30/19 22:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/30/19 22:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/30/19 22:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/30/19 22:19	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/30/19 22:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/30/19 22:19	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/30/19 22:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/30/19 22:19	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/30/19 22:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/30/19 22:19	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			09/30/19 22:19	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			09/30/19 22:19	1
2-Hexanone	ND		5.0	1.2	ug/L			09/30/19 22:19	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			09/30/19 22:19	1
p-Cymene	ND		1.0	0.31	ug/L			09/30/19 22:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/30/19 22:19	1
Acetone	ND		10	3.0	ug/L			09/30/19 22:19	1
Benzene	ND		1.0	0.41	ug/L			09/30/19 22:19	1
Bromobenzene	ND		1.0	0.80	ug/L			09/30/19 22:19	1
Bromoform	ND		1.0	0.26	ug/L			09/30/19 22:19	1
Bromomethane	ND		1.0	0.69	ug/L			09/30/19 22:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/30/19 22:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/30/19 22:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/30/19 22:19	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/30/19 22:19	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			09/30/19 22:19	1
Chloroethane	ND		1.0	0.32	ug/L			09/30/19 22:19	1
Chloroform	ND		1.0	0.34	ug/L			09/30/19 22:19	1
Chloromethane	ND		1.0	0.35	ug/L			09/30/19 22:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/30/19 22:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/30/19 22:19	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/30/19 22:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/30/19 22:19	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/30/19 22:19	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			09/30/19 22:19	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/30/19 22:19	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/30/19 22:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/30/19 22:19	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			09/30/19 22:19	1
Naphthalene	ND		1.0	0.43	ug/L			09/30/19 22:19	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/30/19 22:19	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/30/19 22:19	1
o-Xylene	ND		1.0	0.76	ug/L			09/30/19 22:19	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/30/19 22:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/30/19 22:19	1
Toluene	ND		1.0	0.51	ug/L			09/30/19 22:19	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: MB 480-495007/8

Matrix: Water

Analysis Batch: 495007

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/30/19 22:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/30/19 22:19	1
Trichloroethene	ND		1.0	0.46	ug/L			09/30/19 22:19	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/30/19 22:19	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/30/19 22:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/30/19 22:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/30/19 22:19	1
Styrene	ND		1.0	0.73	ug/L			09/30/19 22:19	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/30/19 22:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		09/30/19 22:19	1
4-Bromofluorobenzene (Surr)	109		73 - 120		09/30/19 22:19	1
Toluene-d8 (Surr)	103		80 - 120		09/30/19 22:19	1
Dibromofluoromethane (Surr)	99		75 - 123		09/30/19 22:19	1

Lab Sample ID: LCS 480-495007/6

Matrix: Water

Analysis Batch: 495007

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	25.6		ug/L		102	80 - 120
1,1,1-Trichloroethane	25.0	24.9		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.9		ug/L		95	76 - 120
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	76 - 122
1,1-Dichloroethane	25.0	23.7		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	22.9		ug/L		92	66 - 127
1,1-Dichloropropene	25.0	23.6		ug/L		94	72 - 122
1,2,3-Trichlorobenzene	25.0	23.1		ug/L		92	75 - 123
1,2,3-Trichloropropane	25.0	25.1		ug/L		100	68 - 122
1,2,4-Trichlorobenzene	25.0	23.2		ug/L		93	79 - 122
1,2,4-Trimethylbenzene	25.0	24.0		ug/L		96	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	22.3		ug/L		89	56 - 134
1,2-Dichlorobenzene	25.0	24.1		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	25.3		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	26.2		ug/L		105	76 - 120
1,3,5-Trimethylbenzene	25.0	24.0		ug/L		96	77 - 121
1,3-Dichlorobenzene	25.0	23.8		ug/L		95	77 - 120
1,3-Dichloropropane	25.0	25.8		ug/L		103	75 - 120
1,4-Dichlorobenzene	25.0	24.0		ug/L		96	80 - 120
2,2-Dichloropropane	25.0	23.0		ug/L		92	63 - 136
2-Butanone (MEK)	125	148		ug/L		119	57 - 140
2-Chloroethyl vinyl ether	25.0	28.2		ug/L		113	70 - 129
o-Chlorotoluene	25.0	24.4		ug/L		98	76 - 121
2-Hexanone	125	134		ug/L		107	65 - 127
p-Chlorotoluene	25.0	24.2		ug/L		97	77 - 121
p-Cymene	25.0	24.1		ug/L		96	73 - 120
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	71 - 125

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: LCS 480-495007/6

Matrix: Water

Analysis Batch: 495007

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	157		ug/L		126	56 - 142
Benzene	25.0	24.8		ug/L		99	71 - 124
Bromobenzene	25.0	25.3		ug/L		101	78 - 120
Bromoform	25.0	25.1		ug/L		101	61 - 132
Bromomethane	25.0	23.2		ug/L		93	55 - 144
Carbon disulfide	25.0	22.2		ug/L		89	59 - 134
Carbon tetrachloride	25.0	23.6		ug/L		94	72 - 134
Chlorobenzene	25.0	25.9		ug/L		103	80 - 120
Bromochloromethane	25.0	25.7		ug/L		103	72 - 130
Chlorodibromomethane	25.0	25.9		ug/L		104	75 - 125
Chloroethane	25.0	22.2		ug/L		89	69 - 136
Chloroform	25.0	22.8		ug/L		91	73 - 127
Chloromethane	25.0	23.9		ug/L		96	68 - 124
cis-1,2-Dichloroethene	25.0	24.1		ug/L		96	74 - 124
Bromodichloromethane	25.0	24.7		ug/L		99	80 - 122
Dichlorodifluoromethane	25.0	24.5		ug/L		98	59 - 135
Ethylbenzene	25.0	25.3		ug/L		101	77 - 123
1,2-Dibromoethane	25.0	25.9		ug/L		103	77 - 120
Hexachlorobutadiene	25.0	22.3		ug/L		89	68 - 131
Isopropylbenzene	25.0	24.1		ug/L		96	77 - 122
Methyl tert-butyl ether	25.0	24.8		ug/L		99	77 - 120
Methylene Chloride	25.0	27.2		ug/L		109	75 - 124
m-Xylene & p-Xylene	25.0	24.7		ug/L		99	76 - 122
Naphthalene	25.0	23.6		ug/L		94	66 - 125
n-Butylbenzene	25.0	22.8		ug/L		91	71 - 128
N-Propylbenzene	25.0	23.6		ug/L		95	75 - 127
o-Xylene	25.0	23.8		ug/L		95	76 - 122
sec-Butylbenzene	25.0	23.6		ug/L		94	74 - 127
Tetrachloroethene	25.0	25.1		ug/L		101	74 - 122
Toluene	25.0	24.2		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	23.2		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	25.4		ug/L		101	80 - 120
Trichloroethene	25.0	25.0		ug/L		100	74 - 123
Trichlorofluoromethane	25.0	25.0		ug/L		100	62 - 150
Vinyl acetate	50.0	47.1		ug/L		94	50 - 144
Vinyl chloride	25.0	24.3		ug/L		97	65 - 133
cis-1,3-Dichloropropene	25.0	25.9		ug/L		104	74 - 124
Styrene	25.0	25.0		ug/L		100	80 - 120
tert-Butylbenzene	25.0	25.0		ug/L		100	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	104		73 - 120
Toluene-d8 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	100		75 - 123

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: 480-159830-12 MS

Matrix: Water

Analysis Batch: 495007

Client Sample ID: OW-13B

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	5420		ug/L		108	80 - 120
1,1,1-Trichloroethane	ND		5000	5280		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	390		5000	5090		ug/L		94	76 - 120
1,1,2-Trichloroethane	ND		5000	5080		ug/L		102	76 - 122
1,1-Dichloroethane	ND		5000	4950		ug/L		99	77 - 120
1,1-Dichloroethene	ND		5000	5330		ug/L		107	66 - 127
1,1-Dichloropropene	ND		5000	5000		ug/L		100	72 - 122
1,2,3-Trichlorobenzene	330		5000	5010		ug/L		94	75 - 123
1,2,3-Trichloropropane	ND		5000	4850		ug/L		97	68 - 122
1,2,4-Trichlorobenzene	4700		5000	9010		ug/L		87	79 - 122
1,2,4-Trimethylbenzene	ND		5000	4850		ug/L		97	76 - 121
1,2-Dibromo-3-Chloropropane	ND		5000	4470		ug/L		89	56 - 134
1,2-Dichlorobenzene	6600		5000	10900		ug/L		85	80 - 124
1,2-Dichloroethane	ND		5000	5060		ug/L		101	75 - 120
1,2-Dichloropropane	ND		5000	5300		ug/L		106	76 - 120
1,3,5-Trimethylbenzene	ND		5000	4830		ug/L		97	77 - 121
1,3-Dichlorobenzene	1500		5000	6280		ug/L		96	77 - 120
1,3-Dichloropropane	ND		5000	5290		ug/L		106	75 - 120
1,4-Dichlorobenzene	5200		5000	9420		ug/L		84	78 - 124
2,2-Dichloropropane	ND		5000	4250		ug/L		85	63 - 136
2-Butanone (MEK)	ND		25000	29500		ug/L		118	57 - 140
2-Chloroethyl vinyl ether	ND		5000	5650		ug/L		113	70 - 129
o-Chlorotoluene	ND		5000	5000		ug/L		100	76 - 121
2-Hexanone	ND		25000	26600		ug/L		107	65 - 127
p-Chlorotoluene	ND		5000	4860		ug/L		97	77 - 121
p-Cymene	ND		5000	4930		ug/L		99	73 - 120
4-Methyl-2-pentanone (MIBK)	ND		25000	26900		ug/L		108	71 - 125
Acetone	ND		25000	30600		ug/L		122	56 - 142
Benzene	820		5000	5860		ug/L		101	71 - 124
Bromobenzene	ND		5000	5020		ug/L		100	78 - 120
Bromoform	ND		5000	5110		ug/L		102	61 - 132
Bromomethane	ND		5000	4720		ug/L		94	55 - 144
Carbon disulfide	ND		5000	4850		ug/L		97	59 - 134
Carbon tetrachloride	ND		5000	5120		ug/L		102	72 - 134
Chlorobenzene	6100		5000	10800		ug/L		95	80 - 120
Bromochloromethane	ND		5000	5270		ug/L		105	72 - 130
Chlorodibromomethane	ND		5000	5320		ug/L		106	75 - 125
Chloroethane	ND		5000	4500		ug/L		90	69 - 136
Chloroform	ND		5000	4790		ug/L		96	73 - 127
Chloromethane	ND		5000	4670		ug/L		93	68 - 124
cis-1,2-Dichloroethene	11000		5000	14500		ug/L		79	74 - 124
Bromodichloromethane	ND		5000	5130		ug/L		103	80 - 122
Dichlorodifluoromethane	ND		5000	4730		ug/L		95	59 - 135
Ethylbenzene	ND		5000	5310		ug/L		106	77 - 123
1,2-Dibromoethane	ND		5000	5210		ug/L		104	77 - 120
Hexachlorobutadiene	ND		5000	4550		ug/L		91	68 - 131
Isopropylbenzene	ND		5000	4850		ug/L		97	77 - 122
Methyl tert-butyl ether	ND		5000	5040		ug/L		101	77 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: 480-159830-12 MS

Matrix: Water

Analysis Batch: 495007

Client Sample ID: OW-13B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	110	J	5000	5680		ug/L		111	75 - 124
m-Xylene & p-Xylene	ND		5000	5160		ug/L		103	76 - 122
Naphthalene	ND		5000	4710		ug/L		94	66 - 125
n-Butylbenzene	ND		5000	4610		ug/L		92	71 - 128
N-Propylbenzene	ND		5000	4830		ug/L		97	75 - 127
o-Xylene	ND		5000	5110		ug/L		102	76 - 122
sec-Butylbenzene	ND		5000	4850		ug/L		97	74 - 127
Tetrachloroethene	940		5000	6230		ug/L		106	74 - 122
Toluene	ND		5000	5150		ug/L		103	80 - 122
trans-1,2-Dichloroethene	200		5000	5230		ug/L		100	73 - 127
trans-1,3-Dichloropropene	ND		5000	4920		ug/L		98	80 - 120
Trichloroethene	2200		5000	7030		ug/L		97	74 - 123
Trichlorofluoromethane	ND		5000	5110		ug/L		102	62 - 150
Vinyl acetate	ND		10000	8970		ug/L		90	50 - 144
Vinyl chloride	1100		5000	5990		ug/L		98	65 - 133
cis-1,3-Dichloropropene	ND		5000	5090		ug/L		102	74 - 124
Styrene	ND		5000	5340		ug/L		107	80 - 120
tert-Butylbenzene	ND		5000	4880		ug/L		98	75 - 123

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	99		75 - 123

Lab Sample ID: 480-159830-12 MSD

Matrix: Water

Analysis Batch: 495007

Client Sample ID: OW-13B

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	5280		ug/L		106	80 - 120	3	20
1,1,1-Trichloroethane	ND		5000	5380		ug/L		108	73 - 126	2	15
1,1,1,2,2-Tetrachloroethane	390		5000	4960		ug/L		91	76 - 120	3	15
1,1,2-Trichloroethane	ND		5000	5150		ug/L		103	76 - 122	1	15
1,1-Dichloroethane	ND		5000	5050		ug/L		101	77 - 120	2	20
1,1-Dichloroethene	ND		5000	5320		ug/L		106	66 - 127	0	16
1,1-Dichloropropene	ND		5000	5130		ug/L		103	72 - 122	3	20
1,2,3-Trichlorobenzene	330		5000	4900		ug/L		92	75 - 123	2	20
1,2,3-Trichloropropane	ND		5000	4840		ug/L		97	68 - 122	0	14
1,2,4-Trichlorobenzene	4700		5000	8970		ug/L		86	79 - 122	0	20
1,2,4-Trimethylbenzene	ND		5000	4860		ug/L		97	76 - 121	0	20
1,2-Dibromo-3-Chloropropane	ND		5000	4440		ug/L		89	56 - 134	1	15
1,2-Dichlorobenzene	6600		5000	10800		ug/L		84	80 - 124	1	20
1,2-Dichloroethane	ND		5000	5190		ug/L		104	75 - 120	3	20
1,2-Dichloropropane	ND		5000	5460		ug/L		109	76 - 120	3	20
1,3,5-Trimethylbenzene	ND		5000	4810		ug/L		96	77 - 121	0	20
1,3-Dichlorobenzene	1500		5000	6230		ug/L		95	77 - 120	1	20
1,3-Dichloropropane	ND		5000	5310		ug/L		106	75 - 120	0	20

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: 480-159830-12 MSD

Matrix: Water

Analysis Batch: 495007

Client Sample ID: OW-13B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	5200		5000	9450		ug/L		84	78 - 124	0	20
2,2-Dichloropropane	ND		5000	4170		ug/L		83	63 - 136	2	20
2-Butanone (MEK)	ND		25000	29700		ug/L		119	57 - 140	1	20
2-Chloroethyl vinyl ether	ND		5000	5950		ug/L		119	70 - 129	5	20
o-Chlorotoluene	ND		5000	5100		ug/L		102	76 - 121	2	20
2-Hexanone	ND		25000	27200		ug/L		109	65 - 127	2	15
p-Chlorotoluene	ND		5000	5000		ug/L		100	77 - 121	3	15
p-Cymene	ND		5000	5000		ug/L		100	73 - 120	1	20
4-Methyl-2-pentanone (MIBK)	ND		25000	26100		ug/L		105	71 - 125	3	35
Acetone	ND		25000	30800		ug/L		123	56 - 142	1	15
Benzene	820		5000	6000		ug/L		104	71 - 124	2	13
Bromobenzene	ND		5000	5190		ug/L		104	78 - 120	3	15
Bromoform	ND		5000	5220		ug/L		104	61 - 132	2	15
Bromomethane	ND		5000	4790		ug/L		96	55 - 144	1	15
Carbon disulfide	ND		5000	4840		ug/L		97	59 - 134	0	15
Carbon tetrachloride	ND		5000	5330		ug/L		107	72 - 134	4	15
Chlorobenzene	6100		5000	11200		ug/L		102	80 - 120	3	25
Bromochloromethane	ND		5000	5030		ug/L		101	72 - 130	5	15
Chlorodibromomethane	ND		5000	5440		ug/L		109	75 - 125	2	15
Chloroethane	ND		5000	4700		ug/L		94	69 - 136	4	15
Chloroform	ND		5000	4720		ug/L		94	73 - 127	1	20
Chloromethane	ND		5000	4820		ug/L		96	68 - 124	3	15
cis-1,2-Dichloroethene	11000		5000	14300		ug/L		76	74 - 124	1	15
Bromodichloromethane	ND		5000	5300		ug/L		106	80 - 122	3	15
Dichlorodifluoromethane	ND		5000	4920		ug/L		98	59 - 135	4	20
Ethylbenzene	ND		5000	5410		ug/L		108	77 - 123	2	15
1,2-Dibromoethane	ND		5000	5210		ug/L		104	77 - 120	0	15
Hexachlorobutadiene	ND		5000	4790		ug/L		96	68 - 131	5	20
Isopropylbenzene	ND		5000	4860		ug/L		97	77 - 122	0	20
Methyl tert-butyl ether	ND		5000	4960		ug/L		99	77 - 120	1	37
Methylene Chloride	110	J	5000	5390		ug/L		106	75 - 124	5	15
m-Xylene & p-Xylene	ND		5000	5270		ug/L		105	76 - 122	2	16
Naphthalene	ND		5000	4600		ug/L		92	66 - 125	2	20
n-Butylbenzene	ND		5000	4710		ug/L		94	71 - 128	2	15
N-Propylbenzene	ND		5000	4840		ug/L		97	75 - 127	0	15
o-Xylene	ND		5000	5010		ug/L		100	76 - 122	2	16
sec-Butylbenzene	ND		5000	4910		ug/L		98	74 - 127	1	15
Tetrachloroethene	940		5000	6290		ug/L		107	74 - 122	1	20
Toluene	ND		5000	5140		ug/L		103	80 - 122	0	15
trans-1,2-Dichloroethene	200		5000	5100		ug/L		98	73 - 127	2	20
trans-1,3-Dichloropropene	ND		5000	5100		ug/L		102	80 - 120	4	15
Trichloroethene	2200		5000	7480		ug/L		105	74 - 123	6	16
Trichlorofluoromethane	ND		5000	5110		ug/L		102	62 - 150	0	20
Vinyl acetate	ND		10000	9630		ug/L		96	50 - 144	7	23
Vinyl chloride	1100		5000	6030		ug/L		99	65 - 133	1	15
cis-1,3-Dichloropropene	ND		5000	5340		ug/L		107	74 - 124	5	15
Styrene	ND		5000	5460		ug/L		109	80 - 120	2	20
tert-Butylbenzene	ND		5000	4850		ug/L		97	75 - 123	1	15

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: 480-159830-12 MSD

Matrix: Water

Analysis Batch: 495007

Client Sample ID: OW-13B

Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	107		73 - 120
Toluene-d8 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	102		75 - 123

Lab Sample ID: MB 480-495978/9

Matrix: Water

Analysis Batch: 495978

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			10/04/19 15:49	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/04/19 15:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/04/19 15:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/04/19 15:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/04/19 15:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/04/19 15:49	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			10/04/19 15:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			10/04/19 15:49	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/04/19 15:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/04/19 15:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/04/19 15:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/04/19 15:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/04/19 15:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/04/19 15:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/04/19 15:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/04/19 15:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/04/19 15:49	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			10/04/19 15:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/04/19 15:49	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			10/04/19 15:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/04/19 15:49	1
2-Chloroethyl vinyl ether	ND		5.0	0.96	ug/L			10/04/19 15:49	1
o-Chlorotoluene	ND		1.0	0.86	ug/L			10/04/19 15:49	1
2-Hexanone	ND		5.0	1.2	ug/L			10/04/19 15:49	1
p-Chlorotoluene	ND		1.0	0.84	ug/L			10/04/19 15:49	1
p-Cymene	ND		1.0	0.31	ug/L			10/04/19 15:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/04/19 15:49	1
Acetone	ND		10	3.0	ug/L			10/04/19 15:49	1
Benzene	ND		1.0	0.41	ug/L			10/04/19 15:49	1
Bromobenzene	ND		1.0	0.80	ug/L			10/04/19 15:49	1
Bromoform	ND		1.0	0.26	ug/L			10/04/19 15:49	1
Bromomethane	ND		1.0	0.69	ug/L			10/04/19 15:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/04/19 15:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/04/19 15:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/04/19 15:49	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/04/19 15:49	1
Chlorodibromomethane	ND		1.0	0.32	ug/L			10/04/19 15:49	1
Chloroethane	ND		1.0	0.32	ug/L			10/04/19 15:49	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: MB 480-495978/9

Matrix: Water

Analysis Batch: 495978

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.34	ug/L			10/04/19 15:49	1
Chloromethane	ND		1.0	0.35	ug/L			10/04/19 15:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/04/19 15:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/04/19 15:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/04/19 15:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/04/19 15:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/04/19 15:49	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			10/04/19 15:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/04/19 15:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/04/19 15:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/04/19 15:49	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/04/19 15:49	1
Naphthalene	ND		1.0	0.43	ug/L			10/04/19 15:49	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/04/19 15:49	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/04/19 15:49	1
o-Xylene	ND		1.0	0.76	ug/L			10/04/19 15:49	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/04/19 15:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/04/19 15:49	1
Toluene	ND		1.0	0.51	ug/L			10/04/19 15:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/04/19 15:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/04/19 15:49	1
Trichloroethene	ND		1.0	0.46	ug/L			10/04/19 15:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/04/19 15:49	1
Vinyl acetate	ND		5.0	0.85	ug/L			10/04/19 15:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/04/19 15:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/04/19 15:49	1
Styrene	ND		1.0	0.73	ug/L			10/04/19 15:49	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/04/19 15:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		10/04/19 15:49	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/04/19 15:49	1
Toluene-d8 (Surr)	102		80 - 120		10/04/19 15:49	1
Dibromofluoromethane (Surr)	100		75 - 123		10/04/19 15:49	1

Lab Sample ID: LCS 480-495978/7

Matrix: Water

Analysis Batch: 495978

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	24.5		ug/L		98	80 - 120
1,1,1-Trichloroethane	25.0	24.7		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.6		ug/L		110	76 - 120
1,1,2-Trichloroethane	25.0	25.9		ug/L		104	76 - 122
1,1-Dichloroethane	25.0	24.7		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	24.7		ug/L		99	66 - 127
1,1-Dichloropropene	25.0	25.5		ug/L		102	72 - 122
1,2,3-Trichlorobenzene	25.0	26.7		ug/L		107	75 - 123

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: LCS 480-495978/7

Matrix: Water

Analysis Batch: 495978

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	25.0	26.3		ug/L		105	68 - 122
1,2,4-Trichlorobenzene	25.0	26.8		ug/L		107	79 - 122
1,2,4-Trimethylbenzene	25.0	26.7		ug/L		107	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	25.6		ug/L		103	56 - 134
1,2-Dichlorobenzene	25.0	26.0		ug/L		104	80 - 124
1,2-Dichloroethane	25.0	25.1		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	25.8		ug/L		103	76 - 120
1,3,5-Trimethylbenzene	25.0	26.0		ug/L		104	77 - 121
1,3-Dichlorobenzene	25.0	25.9		ug/L		104	77 - 120
1,3-Dichloropropane	25.0	27.0		ug/L		108	75 - 120
1,4-Dichlorobenzene	25.0	25.1		ug/L		100	80 - 120
2,2-Dichloropropane	25.0	23.2		ug/L		93	63 - 136
2-Butanone (MEK)	125	149		ug/L		119	57 - 140
2-Chloroethyl vinyl ether	25.0	27.8		ug/L		111	70 - 129
o-Chlorotoluene	25.0	26.1		ug/L		104	76 - 121
2-Hexanone	125	143		ug/L		114	65 - 127
p-Chlorotoluene	25.0	26.7		ug/L		107	77 - 121
p-Cymene	25.0	26.5		ug/L		106	73 - 120
4-Methyl-2-pentanone (MIBK)	125	141		ug/L		113	71 - 125
Acetone	125	141		ug/L		113	56 - 142
Benzene	25.0	24.4		ug/L		98	71 - 124
Bromobenzene	25.0	25.5		ug/L		102	78 - 120
Bromoform	25.0	26.1		ug/L		104	61 - 132
Bromomethane	25.0	23.0		ug/L		92	55 - 144
Carbon disulfide	25.0	24.6		ug/L		98	59 - 134
Carbon tetrachloride	25.0	24.8		ug/L		99	72 - 134
Chlorobenzene	25.0	25.5		ug/L		102	80 - 120
Bromochloromethane	25.0	24.6		ug/L		99	72 - 130
Chlorodibromomethane	25.0	26.8		ug/L		107	75 - 125
Chloroethane	25.0	22.2		ug/L		89	69 - 136
Chloroform	25.0	24.5		ug/L		98	73 - 127
Chloromethane	25.0	25.2		ug/L		101	68 - 124
cis-1,2-Dichloroethene	25.0	24.4		ug/L		97	74 - 124
Bromodichloromethane	25.0	25.5		ug/L		102	80 - 122
Dichlorodifluoromethane	25.0	26.2		ug/L		105	59 - 135
Ethylbenzene	25.0	25.6		ug/L		102	77 - 123
1,2-Dibromoethane	25.0	27.2		ug/L		109	77 - 120
Hexachlorobutadiene	25.0	27.1		ug/L		108	68 - 131
Isopropylbenzene	25.0	26.2		ug/L		105	77 - 122
Methyl tert-butyl ether	25.0	25.1		ug/L		100	77 - 120
Methylene Chloride	25.0	24.9		ug/L		99	75 - 124
m-Xylene & p-Xylene	25.0	25.3		ug/L		101	76 - 122
Naphthalene	25.0	27.5		ug/L		110	66 - 125
n-Butylbenzene	25.0	26.2		ug/L		105	71 - 128
N-Propylbenzene	25.0	26.3		ug/L		105	75 - 127
o-Xylene	25.0	25.1		ug/L		100	76 - 122
sec-Butylbenzene	25.0	26.4		ug/L		106	74 - 127
Tetrachloroethene	25.0	25.2		ug/L		101	74 - 122
Toluene	25.0	25.2		ug/L		101	80 - 122

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: LCS 480-495978/7

Matrix: Water

Analysis Batch: 495978

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	27.9		ug/L		112	80 - 120
Trichloroethene	25.0	24.9		ug/L		99	74 - 123
Trichlorofluoromethane	25.0	24.7		ug/L		99	62 - 150
Vinyl acetate	50.0	54.7		ug/L		109	50 - 144
Vinyl chloride	25.0	25.5		ug/L		102	65 - 133
cis-1,3-Dichloropropene	25.0	27.1		ug/L		108	74 - 124
Styrene	25.0	25.7		ug/L		103	80 - 120
tert-Butylbenzene	25.0	26.5		ug/L		106	75 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
4-Bromofluorobenzene (Surr)	103		73 - 120
Toluene-d8 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: 480-159830-39 MS

Matrix: Water

Analysis Batch: 495978

Client Sample ID: OW-22B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		500	493		ug/L		99	80 - 120
1,1,1-Trichloroethane	ND		500	522		ug/L		104	73 - 126
1,1,2,2-Tetrachloroethane	160		500	661		ug/L		101	76 - 120
1,1,2-Trichloroethane	ND		500	502		ug/L		100	76 - 122
1,1-Dichloroethane	ND		500	509		ug/L		102	77 - 120
1,1-Dichloroethene	ND		500	526		ug/L		105	66 - 127
1,1-Dichloropropene	ND		500	534		ug/L		107	72 - 122
1,2,3-Trichlorobenzene	11 J		500	517		ug/L		101	75 - 123
1,2,3-Trichloropropane	ND		500	485		ug/L		97	68 - 122
1,2,4-Trichlorobenzene	32		500	538		ug/L		101	79 - 122
1,2,4-Trimethylbenzene	ND		500	515		ug/L		103	76 - 121
1,2-Dibromo-3-Chloropropane	ND		500	479		ug/L		96	56 - 134
1,2-Dichlorobenzene	54		500	541		ug/L		97	80 - 124
1,2-Dichloroethane	ND		500	501		ug/L		100	75 - 120
1,2-Dichloropropane	ND		500	509		ug/L		102	76 - 120
1,3,5-Trimethylbenzene	ND		500	514		ug/L		103	77 - 121
1,3-Dichlorobenzene	40		500	526		ug/L		97	77 - 120
1,3-Dichloropropane	ND		500	517		ug/L		103	75 - 120
1,4-Dichlorobenzene	59		500	529		ug/L		94	78 - 124
2,2-Dichloropropane	ND		500	431		ug/L		86	63 - 136
2-Butanone (MEK)	ND		2500	2700		ug/L		108	57 - 140
2-Chloroethyl vinyl ether	ND		500	495		ug/L		99	70 - 129
o-Chlorotoluene	ND		500	501		ug/L		100	76 - 121
2-Hexanone	ND		2500	2630		ug/L		105	65 - 127
p-Chlorotoluene	ND		500	503		ug/L		101	77 - 121
p-Cymene	ND		500	517		ug/L		103	73 - 120
4-Methyl-2-pentanone (MIBK)	ND		2500	2700		ug/L		108	71 - 125

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: 480-159830-39 MS

Matrix: Water

Analysis Batch: 495978

Client Sample ID: OW-22B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		2500	2460		ug/L		98	56 - 142
Benzene	14	J	500	515		ug/L		100	71 - 124
Bromobenzene	ND		500	477		ug/L		95	78 - 120
Bromoform	ND		500	482		ug/L		96	61 - 132
Bromomethane	ND		500	464		ug/L		93	55 - 144
Carbon disulfide	ND		500	514		ug/L		103	59 - 134
Carbon tetrachloride	ND		500	517		ug/L		103	72 - 134
Chlorobenzene	56		500	554		ug/L		100	80 - 120
Bromochloromethane	ND		500	495		ug/L		99	72 - 130
Chlorodibromomethane	ND		500	515		ug/L		103	75 - 125
Chloroethane	ND		500	470		ug/L		94	69 - 136
Chloroform	12	J	500	521		ug/L		102	73 - 127
Chloromethane	ND		500	490		ug/L		98	68 - 124
cis-1,2-Dichloroethene	930		500	1340		ug/L		82	74 - 124
Bromodichloromethane	ND		500	507		ug/L		101	80 - 122
Dichlorodifluoromethane	ND		500	536		ug/L		107	59 - 135
Ethylbenzene	ND		500	513		ug/L		103	77 - 123
1,2-Dibromoethane	ND		500	515		ug/L		103	77 - 120
Hexachlorobutadiene	ND		500	529		ug/L		106	68 - 131
Isopropylbenzene	ND		500	512		ug/L		102	77 - 122
Methyl tert-butyl ether	ND		500	494		ug/L		99	77 - 120
Methylene Chloride	ND		500	505		ug/L		101	75 - 124
m-Xylene & p-Xylene	ND		500	502		ug/L		100	76 - 122
Naphthalene	ND		500	524		ug/L		105	66 - 125
n-Butylbenzene	ND		500	515		ug/L		103	71 - 128
N-Propylbenzene	ND		500	513		ug/L		103	75 - 127
o-Xylene	ND		500	500		ug/L		100	76 - 122
sec-Butylbenzene	ND		500	525		ug/L		105	74 - 127
Tetrachloroethene	610		500	1040		ug/L		87	74 - 122
Toluene	ND		500	509		ug/L		102	80 - 122
trans-1,2-Dichloroethene	24		500	525		ug/L		100	73 - 127
trans-1,3-Dichloropropene	ND		500	520		ug/L		104	80 - 120
Trichloroethene	1400	F1	500	1820		ug/L		76	74 - 123
Trichlorofluoromethane	ND		500	521		ug/L		104	62 - 150
Vinyl acetate	ND		1000	1070		ug/L		107	50 - 144
Vinyl chloride	71		500	588		ug/L		103	65 - 133
cis-1,3-Dichloropropene	ND		500	515		ug/L		103	74 - 124
Styrene	ND		500	501		ug/L		100	80 - 120
tert-Butylbenzene	ND		500	524		ug/L		105	75 - 123
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	106		77 - 120						
4-Bromofluorobenzene (Surr)	104		73 - 120						
Toluene-d8 (Surr)	106		80 - 120						
Dibromofluoromethane (Surr)	102		75 - 123						

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: 480-159830-39 MSD

Matrix: Water

Analysis Batch: 495978

Client Sample ID: OW-22B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		500	491		ug/L		98	80 - 120	1	20
1,1,1-Trichloroethane	ND		500	504		ug/L		101	73 - 126	4	15
1,1,2,2-Tetrachloroethane	160		500	667		ug/L		102	76 - 120	1	15
1,1,2-Trichloroethane	ND		500	499		ug/L		100	76 - 122	1	15
1,1-Dichloroethane	ND		500	499		ug/L		100	77 - 120	2	20
1,1-Dichloroethene	ND		500	507		ug/L		101	66 - 127	4	16
1,1-Dichloropropene	ND		500	520		ug/L		104	72 - 122	3	20
1,2,3-Trichlorobenzene	11 J		500	537		ug/L		105	75 - 123	4	20
1,2,3-Trichloropropane	ND		500	496		ug/L		99	68 - 122	2	14
1,2,4-Trichlorobenzene	32		500	558		ug/L		105	79 - 122	4	20
1,2,4-Trimethylbenzene	ND		500	517		ug/L		103	76 - 121	0	20
1,2-Dibromo-3-Chloropropane	ND		500	506		ug/L		101	56 - 134	6	15
1,2-Dichlorobenzene	54		500	553		ug/L		100	80 - 124	2	20
1,2-Dichloroethane	ND		500	502		ug/L		100	75 - 120	0	20
1,2-Dichloropropane	ND		500	501		ug/L		100	76 - 120	2	20
1,3,5-Trimethylbenzene	ND		500	512		ug/L		102	77 - 121	0	20
1,3-Dichlorobenzene	40		500	533		ug/L		99	77 - 120	1	20
1,3-Dichloropropane	ND		500	522		ug/L		104	75 - 120	1	20
1,4-Dichlorobenzene	59		500	530		ug/L		94	78 - 124	0	20
2,2-Dichloropropane	ND		500	410		ug/L		82	63 - 136	5	20
2-Butanone (MEK)	ND		2500	2680		ug/L		107	57 - 140	1	20
2-Chloroethyl vinyl ether	ND		500	495		ug/L		99	70 - 129	0	20
o-Chlorotoluene	ND		500	508		ug/L		102	76 - 121	1	20
2-Hexanone	ND		2500	2640		ug/L		106	65 - 127	0	15
p-Chlorotoluene	ND		500	511		ug/L		102	77 - 121	1	15
p-Cymene	ND		500	518		ug/L		104	73 - 120	0	20
4-Methyl-2-pentanone (MIBK)	ND		2500	2690		ug/L		107	71 - 125	0	35
Acetone	ND		2500	2420		ug/L		97	56 - 142	1	15
Benzene	14 J		500	500		ug/L		97	71 - 124	3	13
Bromobenzene	ND		500	480		ug/L		96	78 - 120	1	15
Bromoform	ND		500	489		ug/L		98	61 - 132	1	15
Bromomethane	ND		500	463		ug/L		93	55 - 144	0	15
Carbon disulfide	ND		500	498		ug/L		100	59 - 134	3	15
Carbon tetrachloride	ND		500	503		ug/L		101	72 - 134	3	15
Chlorobenzene	56		500	546		ug/L		98	80 - 120	1	25
Bromochloromethane	ND		500	493		ug/L		99	72 - 130	0	15
Chlorodibromomethane	ND		500	514		ug/L		103	75 - 125	0	15
Chloroethane	ND		500	458		ug/L		92	69 - 136	2	15
Chloroform	12 J		500	510		ug/L		100	73 - 127	2	20
Chloromethane	ND		500	494		ug/L		99	68 - 124	1	15
cis-1,2-Dichloroethene	930		500	1320		ug/L		78	74 - 124	2	15
Bromodichloromethane	ND		500	504		ug/L		101	80 - 122	1	15
Dichlorodifluoromethane	ND		500	531		ug/L		106	59 - 135	1	20
Ethylbenzene	ND		500	499		ug/L		100	77 - 123	3	15
1,2-Dibromoethane	ND		500	517		ug/L		103	77 - 120	0	15
Hexachlorobutadiene	ND		500	541		ug/L		108	68 - 131	2	20
Isopropylbenzene	ND		500	517		ug/L		103	77 - 122	1	20
Methyl tert-butyl ether	ND		500	496		ug/L		99	77 - 120	0	37

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-159830-1

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

Lab Sample ID: 480-159830-39 MSD

Matrix: Water

Analysis Batch: 495978

Client Sample ID: OW-22B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Chloride	ND		500	499		ug/L		100	75 - 124	1	15
m-Xylene & p-Xylene	ND		500	493		ug/L		99	76 - 122	2	16
Naphthalene	ND		500	547		ug/L		109	66 - 125	4	20
n-Butylbenzene	ND		500	510		ug/L		102	71 - 128	1	15
N-Propylbenzene	ND		500	511		ug/L		102	75 - 127	1	15
o-Xylene	ND		500	498		ug/L		100	76 - 122	0	16
sec-Butylbenzene	ND		500	523		ug/L		105	74 - 127	0	15
Tetrachloroethene	610		500	1030		ug/L		84	74 - 122	1	20
Toluene	ND		500	499		ug/L		100	80 - 122	2	15
trans-1,2-Dichloroethene	24		500	504		ug/L		96	73 - 127	4	20
trans-1,3-Dichloropropene	ND		500	520		ug/L		104	80 - 120	0	15
Trichloroethene	1400	F1	500	1750	F1	ug/L		64	74 - 123	4	16
Trichlorofluoromethane	ND		500	499		ug/L		100	62 - 150	4	20
Vinyl acetate	ND		1000	1070		ug/L		107	50 - 144	0	23
Vinyl chloride	71		500	574		ug/L		101	65 - 133	2	15
cis-1,3-Dichloropropene	ND		500	505		ug/L		101	74 - 124	2	15
Styrene	ND		500	496		ug/L		99	80 - 120	1	20
tert-Butylbenzene	ND		500	529		ug/L		106	75 - 123	1	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	98		73 - 120
Toluene-d8 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	101		75 - 123

QC Association Summary

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

Job ID: 480-159830-1

GC/MS VOA

Analysis Batch: 494658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159830-40	TB-01 (TRIP BLANK)	Total/NA	Water	8260C	
MB 480-494658/8	Method Blank	Total/NA	Water	8260C	
LCS 480-494658/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-494658/6	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 494726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159830-1	OW-27B	Total/NA	Water	8260C	
480-159830-2	MW-2A	Total/NA	Water	8260C	
480-159830-3	MW-6B	Total/NA	Water	8260C	
480-159830-4	OW-26B	Total/NA	Water	8260C	
480-159830-7	MW-5C	Total/NA	Water	8260C	
480-159830-8	MW-5A	Total/NA	Water	8260C	
480-159830-9	MW-5CD	Total/NA	Water	8260C	
480-159830-10	OW-9A	Total/NA	Water	8260C	
480-159830-11	OW-16A	Total/NA	Water	8260C	
480-159830-12	OW-13B	Total/NA	Water	8260C	
480-159830-13	OW-113B	Total/NA	Water	8260C	
480-159830-14	OW-18A	Total/NA	Water	8260C	
480-159830-15	OW-29B	Total/NA	Water	8260C	
480-159830-16	OW-15A	Total/NA	Water	8260C	
480-159830-17	OW-28B	Total/NA	Water	8260C	
480-159830-18	MW-4B	Total/NA	Water	8260C	
MB 480-494726/8	Method Blank	Total/NA	Water	8260C	
LCS 480-494726/6	Lab Control Sample	Total/NA	Water	8260C	
480-159830-14 MS	OW-18A	Total/NA	Water	8260C	
480-159830-14 MSD	OW-18A	Total/NA	Water	8260C	

Analysis Batch: 494755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159830-19	OW-14B	Total/NA	Water	8260C	
480-159830-20	OW-15B	Total/NA	Water	8260C	
480-159830-21	OW-22A	Total/NA	Water	8260C	
480-159830-22	OW-6B	Total/NA	Water	8260C	
480-159830-24	OW-5B	Total/NA	Water	8260C	
480-159830-26	MW-4C	Total/NA	Water	8260C	
480-159830-27	OW-8B	Total/NA	Water	8260C	
480-159830-28	OW-12A	Total/NA	Water	8260C	
480-159830-29	MW-1B	Total/NA	Water	8260C	
480-159830-30	MW-1C	Total/NA	Water	8260C	
480-159830-31	MW-1CD	Total/NA	Water	8260C	
480-159830-32	OW-10B	Total/NA	Water	8260C	
480-159830-33	OW-11B	Total/NA	Water	8260C	
480-159830-34	OW-111B	Total/NA	Water	8260C	
480-159830-35	OW-29A	Total/NA	Water	8260C	
480-159830-36	MW-5F	Total/NA	Water	8260C	
MB 480-494755/7	Method Blank	Total/NA	Water	8260C	
LCS 480-494755/5	Lab Control Sample	Total/NA	Water	8260C	
480-159830-26 MS	MW-4C	Total/NA	Water	8260C	
480-159830-26 MSD	MW-4C	Total/NA	Water	8260C	

Eurofins TestAmerica, Buffalo

QC Association Summary

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

Job ID: 480-159830-1

GC/MS VOA

Analysis Batch: 495002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159830-22 - DL	OW-6B	Total/NA	Water	8260C	
480-159830-23	OW-7B	Total/NA	Water	8260C	
480-159830-24 - DL	OW-5B	Total/NA	Water	8260C	
480-159830-25	OW-105B	Total/NA	Water	8260C	
480-159830-29 - DL	MW-1B	Total/NA	Water	8260C	
MB 480-495002/8	Method Blank	Total/NA	Water	8260C	
LCS 480-495002/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 495007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159830-1 - DL	OW-27B	Total/NA	Water	8260C	
480-159830-5	OW-30B	Total/NA	Water	8260C	
480-159830-6	OW-12B	Total/NA	Water	8260C	
480-159830-7 - DL	MW-5C	Total/NA	Water	8260C	
480-159830-10 - DL	OW-9A	Total/NA	Water	8260C	
480-159830-12 - DL	OW-13B	Total/NA	Water	8260C	
480-159830-13 - DL	OW-113B	Total/NA	Water	8260C	
480-159830-15 - DL	OW-29B	Total/NA	Water	8260C	
480-159830-17 - DL	OW-28B	Total/NA	Water	8260C	
480-159830-18 - DL	MW-4B	Total/NA	Water	8260C	
MB 480-495007/8	Method Blank	Total/NA	Water	8260C	
LCS 480-495007/6	Lab Control Sample	Total/NA	Water	8260C	
480-159830-12 MS	OW-13B	Total/NA	Water	8260C	
480-159830-12 MSD	OW-13B	Total/NA	Water	8260C	

Analysis Batch: 495978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159830-37	MW-6F	Total/NA	Water	8260C	
480-159830-38	MW-1F	Total/NA	Water	8260C	
480-159830-39	OW-22B	Total/NA	Water	8260C	
MB 480-495978/9	Method Blank	Total/NA	Water	8260C	
LCS 480-495978/7	Lab Control Sample	Total/NA	Water	8260C	
480-159830-39 MS	OW-22B	Total/NA	Water	8260C	
480-159830-39 MSD	OW-22B	Total/NA	Water	8260C	

Lab Chronicle

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

Job ID: 480-159830-1

Client Sample ID: OW-27B

Lab Sample ID: 480-159830-1

Date Collected: 09/24/19 08:42

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	494726	09/28/19 21:53	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	200	495007	09/30/19 22:43	BTP	TAL BUF

Client Sample ID: MW-2A

Lab Sample ID: 480-159830-2

Date Collected: 09/24/19 09:45

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	494726	09/28/19 22:17	AMM	TAL BUF

Client Sample ID: MW-6B

Lab Sample ID: 480-159830-3

Date Collected: 09/24/19 10:15

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	494726	09/28/19 22:41	AMM	TAL BUF

Client Sample ID: OW-26B

Lab Sample ID: 480-159830-4

Date Collected: 09/24/19 11:00

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	494726	09/28/19 23:05	AMM	TAL BUF

Client Sample ID: OW-30B

Lab Sample ID: 480-159830-5

Date Collected: 09/24/19 11:15

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495007	09/30/19 23:08	BTP	TAL BUF

Client Sample ID: OW-12B

Lab Sample ID: 480-159830-6

Date Collected: 09/24/19 11:25

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495007	09/30/19 23:32	BTP	TAL BUF

Client Sample ID: MW-5C

Lab Sample ID: 480-159830-7

Date Collected: 09/24/19 11:35

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	494726	09/29/19 00:17	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	40	495007	09/30/19 23:56	BTP	TAL BUF

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Lab Chronicle

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

Job ID: 480-159830-1

Client Sample ID: MW-5A

Lab Sample ID: 480-159830-8

Date Collected: 09/24/19 11:45

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	494726	09/29/19 00:41	AMM	TAL BUF

Client Sample ID: MW-5CD

Lab Sample ID: 480-159830-9

Date Collected: 09/24/19 11:55

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	494726	09/29/19 01:05	AMM	TAL BUF

Client Sample ID: OW-9A

Lab Sample ID: 480-159830-10

Date Collected: 09/24/19 12:05

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	494726	09/29/19 01:29	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	100	495007	10/01/19 00:20	BTP	TAL BUF

Client Sample ID: OW-16A

Lab Sample ID: 480-159830-11

Date Collected: 09/24/19 12:15

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	494726	09/29/19 01:53	AMM	TAL BUF

Client Sample ID: OW-13B

Lab Sample ID: 480-159830-12

Date Collected: 09/24/19 12:25

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		80	494726	09/29/19 02:18	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	200	495007	10/01/19 00:44	BTP	TAL BUF

Client Sample ID: OW-113B

Lab Sample ID: 480-159830-13

Date Collected: 09/24/19 13:25

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		80	494726	09/29/19 02:42	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	200	495007	10/01/19 01:08	BTP	TAL BUF

Client Sample ID: OW-18A

Lab Sample ID: 480-159830-14

Date Collected: 09/24/19 09:15

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	494726	09/29/19 03:06	AMM	TAL BUF

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Lab Chronicle

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

Job ID: 480-159830-1

Client Sample ID: OW-29B

Lab Sample ID: 480-159830-15

Date Collected: 09/24/19 15:00

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	494726	09/29/19 03:30	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	400	495007	10/01/19 01:32	BTP	TAL BUF

Client Sample ID: OW-15A

Lab Sample ID: 480-159830-16

Date Collected: 09/24/19 14:40

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	494726	09/29/19 03:54	AMM	TAL BUF

Client Sample ID: OW-28B

Lab Sample ID: 480-159830-17

Date Collected: 09/24/19 14:50

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	494726	09/29/19 04:18	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	50	495007	10/01/19 01:56	BTP	TAL BUF

Client Sample ID: MW-4B

Lab Sample ID: 480-159830-18

Date Collected: 09/24/19 15:25

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	494726	09/29/19 04:42	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	200	495007	10/01/19 02:20	BTP	TAL BUF

Client Sample ID: OW-14B

Lab Sample ID: 480-159830-19

Date Collected: 09/25/19 09:31

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	494755	09/29/19 00:29	S1V	TAL BUF

Client Sample ID: OW-15B

Lab Sample ID: 480-159830-20

Date Collected: 09/25/19 10:15

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		25	494755	09/29/19 00:52	S1V	TAL BUF

Client Sample ID: OW-22A

Lab Sample ID: 480-159830-21

Date Collected: 09/25/19 10:38

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	494755	09/29/19 01:15	S1V	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

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

Job ID: 480-159830-1

Client Sample ID: OW-6B

Lab Sample ID: 480-159830-22

Date Collected: 09/25/19 13:00

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	494755	09/29/19 01:38	S1V	TAL BUF
Total/NA	Analysis	8260C	DL	200	495002	10/01/19 04:02	RJF	TAL BUF

Client Sample ID: OW-7B

Lab Sample ID: 480-159830-23

Date Collected: 09/25/19 13:50

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495002	10/01/19 04:26	RJF	TAL BUF

Client Sample ID: OW-5B

Lab Sample ID: 480-159830-24

Date Collected: 09/25/19 11:37

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	494755	09/29/19 02:24	S1V	TAL BUF
Total/NA	Analysis	8260C	DL	200	495002	10/01/19 04:50	RJF	TAL BUF

Client Sample ID: OW-105B

Lab Sample ID: 480-159830-25

Date Collected: 09/25/19 12:37

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	495002	10/01/19 05:14	RJF	TAL BUF

Client Sample ID: MW-4C

Lab Sample ID: 480-159830-26

Date Collected: 09/25/19 15:10

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		400	494755	09/29/19 03:10	S1V	TAL BUF

Client Sample ID: OW-8B

Lab Sample ID: 480-159830-27

Date Collected: 09/25/19 13:20

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	494755	09/29/19 03:33	S1V	TAL BUF

Client Sample ID: OW-12A

Lab Sample ID: 480-159830-28

Date Collected: 09/25/19 14:10

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		125	494755	09/29/19 03:56	S1V	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

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

Job ID: 480-159830-1

Client Sample ID: MW-1B

Lab Sample ID: 480-159830-29

Date Collected: 09/25/19 14:22

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	494755	09/29/19 04:19	S1V	TAL BUF
Total/NA	Analysis	8260C	DL	500	495002	10/01/19 05:38	RJF	TAL BUF

Client Sample ID: MW-1C

Lab Sample ID: 480-159830-30

Date Collected: 09/25/19 14:32

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	494755	09/29/19 04:42	S1V	TAL BUF

Client Sample ID: MW-1CD

Lab Sample ID: 480-159830-31

Date Collected: 09/25/19 14:42

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		800	494755	09/29/19 05:05	S1V	TAL BUF

Client Sample ID: OW-10B

Lab Sample ID: 480-159830-32

Date Collected: 09/25/19 14:50

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		500	494755	09/29/19 05:28	S1V	TAL BUF

Client Sample ID: OW-11B

Lab Sample ID: 480-159830-33

Date Collected: 09/25/19 15:05

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		400	494755	09/29/19 05:51	S1V	TAL BUF

Client Sample ID: OW-111B

Lab Sample ID: 480-159830-34

Date Collected: 09/25/19 16:05

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		500	494755	09/29/19 06:13	S1V	TAL BUF

Client Sample ID: OW-29A

Lab Sample ID: 480-159830-35

Date Collected: 09/25/19 15:20

Matrix: Water

Date Received: 09/26/19 12:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	494755	09/29/19 06:37	S1V	TAL BUF

Lab Chronicle

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

Job ID: 480-159830-1

Client Sample ID: MW-5F

Date Collected: 09/25/19 16:00

Date Received: 09/26/19 12:15

Lab Sample ID: 480-159830-36

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		100	494755	09/29/19 07:00	S1V	TAL BUF

Client Sample ID: MW-6F

Date Collected: 09/25/19 16:15

Date Received: 09/26/19 12:15

Lab Sample ID: 480-159830-37

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	495978	10/04/19 16:54	OMI	TAL BUF

Client Sample ID: MW-1F

Date Collected: 09/25/19 16:30

Date Received: 09/26/19 12:15

Lab Sample ID: 480-159830-38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		50	495978	10/04/19 17:18	OMI	TAL BUF

Client Sample ID: OW-22B

Date Collected: 09/25/19 10:45

Date Received: 09/26/19 12:15

Lab Sample ID: 480-159830-39

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	495978	10/04/19 17:43	OMI	TAL BUF

Client Sample ID: TB-01 (TRIP BLANK)

Date Collected: 09/24/19 07:30

Date Received: 09/26/19 12:15

Lab Sample ID: 480-159830-40

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	494658	09/28/19 19:35	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
Project/Site: Solvent Chemical Semi-annual Monitoring

Job ID: 480-159830-1

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

1

2

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Method Summary

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

Job ID: 480-159830-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

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

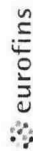
Job ID: 480-159830-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-159830-1	OW-27B	Water	09/24/19 08:42	09/26/19 12:15	
480-159830-2	MW-2A	Water	09/24/19 09:45	09/26/19 12:15	
480-159830-3	MW-6B	Water	09/24/19 10:15	09/26/19 12:15	
480-159830-4	OW-26B	Water	09/24/19 11:00	09/26/19 12:15	
480-159830-5	OW-30B	Water	09/24/19 11:15	09/26/19 12:15	
480-159830-6	OW-12B	Water	09/24/19 11:25	09/26/19 12:15	
480-159830-7	MW-5C	Water	09/24/19 11:35	09/26/19 12:15	
480-159830-8	MW-5A	Water	09/24/19 11:45	09/26/19 12:15	
480-159830-9	MW-5CD	Water	09/24/19 11:55	09/26/19 12:15	
480-159830-10	OW-9A	Water	09/24/19 12:05	09/26/19 12:15	
480-159830-11	OW-16A	Water	09/24/19 12:15	09/26/19 12:15	
480-159830-12	OW-13B	Water	09/24/19 12:25	09/26/19 12:15	
480-159830-13	OW-113B	Water	09/24/19 13:25	09/26/19 12:15	
480-159830-14	OW-18A	Water	09/24/19 09:15	09/26/19 12:15	
480-159830-15	OW-29B	Water	09/24/19 15:00	09/26/19 12:15	
480-159830-16	OW-15A	Water	09/24/19 14:40	09/26/19 12:15	
480-159830-17	OW-28B	Water	09/24/19 14:50	09/26/19 12:15	
480-159830-18	MW-4B	Water	09/24/19 15:25	09/26/19 12:15	
480-159830-19	OW-14B	Water	09/25/19 09:31	09/26/19 12:15	
480-159830-20	OW-15B	Water	09/25/19 10:15	09/26/19 12:15	
480-159830-21	OW-22A	Water	09/25/19 10:38	09/26/19 12:15	
480-159830-22	OW-6B	Water	09/25/19 13:00	09/26/19 12:15	
480-159830-23	OW-7B	Water	09/25/19 13:50	09/26/19 12:15	
480-159830-24	OW-5B	Water	09/25/19 11:37	09/26/19 12:15	
480-159830-25	OW-105B	Water	09/25/19 12:37	09/26/19 12:15	
480-159830-26	MW-4C	Water	09/25/19 15:10	09/26/19 12:15	
480-159830-27	OW-8B	Water	09/25/19 13:20	09/26/19 12:15	
480-159830-28	OW-12A	Water	09/25/19 14:10	09/26/19 12:15	
480-159830-29	MW-1B	Water	09/25/19 14:22	09/26/19 12:15	
480-159830-30	MW-1C	Water	09/25/19 14:32	09/26/19 12:15	
480-159830-31	MW-1CD	Water	09/25/19 14:42	09/26/19 12:15	
480-159830-32	OW-10B	Water	09/25/19 14:50	09/26/19 12:15	
480-159830-33	OW-11B	Water	09/25/19 15:05	09/26/19 12:15	
480-159830-34	OW-111B	Water	09/25/19 16:05	09/26/19 12:15	
480-159830-35	OW-29A	Water	09/25/19 15:20	09/26/19 12:15	
480-159830-36	MW-5F	Water	09/25/19 16:00	09/26/19 12:15	
480-159830-37	MW-6F	Water	09/25/19 16:15	09/26/19 12:15	
480-159830-38	MW-1F	Water	09/25/19 16:30	09/26/19 12:15	
480-159830-39	OW-22B	Water	09/25/19 10:45	09/26/19 12:15	
480-159830-40	TB-01 (TRIP BLANK)	Water	09/24/19 07:30	09/26/19 12:15	

Chain of Custody Record

Client Information		Sampler: <u>C. Rodzinski</u>		Lab PM: <u>Fischer, Brian J</u>		Carrier Tracking No(s): <u>Hand De Liver</u>		COC No: <u>480-135744-25500.1</u>	
Client Contact: <u>Mike Plumb</u>		Phone: <u>978-758-4902</u>		E-Mail: <u>brian.fischer@testamericainc.com</u>				Page: <u>Page 1 of 4</u>	
Company: <u>TRC Solutions, Inc.</u>								Job #:	
Address: <u>Wannalancit Mills 650 Suffolk Street Suite 200</u>									
City: <u>Lowell</u>									
State, Zip: <u>MA, 01854</u>									
Phone: <u>978-656(Tel)</u>									
Email: <u>mplumb@trccompanies.com</u>									
Project Name: <u>HCORbett@trccompanies.com</u>									
Project #:									
Solvent Chemical Semi-annual Monitoring									
Site:									
Due Date Requested:									
TAT Requested (days): <u>Standard TAT</u>									
PO #: <u>143490</u>									
WO #: <u>SEC#1</u>									
Project #:									
SSOW#:									
Preservation Codes:									
A - HCL									
B - NaOH									
M - Hexane									
N - None									
Barcode: 									
480-159830 Chain of Custody									
Other:									
Special Instructions/Note:									
Total Number of con									
Analysis Requested									
8260C - Extended List Volatiles									
Perform MS/MSD (Yes or No)									
Field Filtered Sample (Yes or No)									
Research Code									
Sample Identification									
Sample Date									
Sample Time									
Sample Type (C=Comp, G=grab)									
Matrix (W=water, S=solid, O=oil, BT=Tissue, Ash)									
OW-27B		9/24/19		0842		G		Water	
MW-2A		9/24/19		0945		G		Water	
MW-6B		9/24/19		1015		G		Water	
OW-26B		9/24/19		1100		G		Water	
OW-30B		9/24/19		1115		G		Water	
OW-12B		9/24/19		1125		G		Water	
MW-5C		9/24/19		1135		G		Water	
MW-5A		9/24/19		1145		G		Water	
MW-5CD		9/24/19		1155		G		Water	
OW-9A		9/24/19		1205		G		Water	
OW-16A		9/24/19		1215		G		Water	
Possible Hazard Identification									
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological									
Deliverable Requested: I, II, III, IV, Other (specify)									
Empty Kit Relinquished by:									
Relinquished by:									
Relinquished by:									
Relinquished by:									
Custody Seals Intact: ☐ Yes ☐ No									
Custody Seal No.:									
Date/Time:		9/26/19		1215		Company: <u>TRC</u>		Date/Time:	
Date/Time:						Company:		Date/Time:	
Date/Time:						Company:		Date/Time:	
Date/Time:						Company:		Date/Time:	
Cooler Temperature(s) °C and Other Remarks:									
3.1 #1									

Chain of Custody Record



Client Information Client Contact: <u>Harrison Cobett</u> <u>Mike Plumb</u> Company: <u>TRC Solutions, Inc.</u>		Sampler: <u>C. Rudzinski</u> Phone: <u>978-758-4902</u> Lab PM: <u>Fischer, Brian J</u> E-Mail: <u>brian.fischer@testamericainc.com</u>		Carrier Tracking No(s): <u>Hand Deliver</u> COC No: <u>480-135744-25500.2</u> Page: <u>Page 2 of 4</u> Job #:	
Analysis Requested Due Date Requested: TAT Requested (days): <u>Standard</u> PO #: <u>143490</u> WO #: <u>SEQ#1</u> Project #: <u>48002700</u> SSOW#:					
Address: <u>Wannalancit Mills 650 Suffolk Street Suite 200</u> City: <u>Lowell</u> State, Zip: <u>MA, 01854</u> Phone: <u>978-656(Tel)</u> Email: <u>mplumb@trccompanies.com</u> Project Name: <u>Solvent Chemical Semi-annual Monitoring</u> Site:					
Sample Identification Sample ID <u>OW-13B</u> <u>OW-113B</u> <u>OW-18A</u> <u>OW-29B</u> <u>OW-15A</u> <u>OW-28B</u> <u>MW-4B</u> <u>OW-14B</u> <u>OW-15B</u> <u>OW-22A</u> <u>OW-6B</u>		Sample Date <u>9/24/19</u> <u>9/24/19</u> <u>9/24/19</u> <u>9/24/19</u> <u>9/24/19</u> <u>9/24/19</u> <u>9/24/19</u> <u>9/25/19</u> <u>9/25/19</u> <u>9/25/19</u> <u>9/25/19</u>		Sample Time <u>1225</u> <u>1325</u> <u>0915</u> <u>1500</u> <u>1440</u> <u>1450</u> <u>1525</u> <u>0931</u> <u>1015</u> <u>1038</u> <u>1300</u>	
Sample Type (C=Comp, G=grab) <u>G</u> <u>G</u> <u>G</u> <u>G</u> <u>G</u> <u>G</u> <u>G</u> <u>G</u> <u>G</u> <u>G</u> <u>G</u>		Matrix (W=water, S=solid, O=oil, B=biological, A=air) <u>Water</u> <u>Water</u> <u>Water</u> <u>Water</u> <u>Water</u> <u>Water</u> <u>Water</u> <u>Water</u> <u>Water</u> <u>Water</u> <u>Water</u>		Preservation Code: <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u>	
Field Filtered Sample (Yes or No) <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u>		Perform MS/MSD (Yes or No) <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u>		8260C - Extended List Volatiles <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u> <u>N</u>	
Total Number of containers <u>3</u> <u>3</u> <u>9</u> <u>3</u> <u>3</u> <u>3</u> <u>3</u> <u>3</u> <u>3</u> <u>3</u> <u>3</u>		Special Instructions/Note: <u>ms/msd</u> 		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months					
Special Instructions/QC Requirements:					
Empty Kit Relinquished by:		Date: <u>9/26/19</u> <u>1215</u>		Method of Shipment:	
Relinquished by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:	
Custody Seals Intact: Δ Yes Δ No		Relinquished by:		Date/Time:	
Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		Date/Time:	

Chain of Custody Record

Client Information		Sampler: C. Rudzinski		Lab PM: Fischer, Brian J		Carrier Tracking No(s): Hand Delivered		COC No: 480-135744-25500.3	
Client Contact: Mike Plumb		Phone: 978-758-4902		E-Mail: brian.fischer@testamericainc.com				Page: Page 3 of 4	
Company: TRC Solutions, Inc.								Job #:	
Address: Wannalancit Mills 650 Suffolk Street Suite 200									
City: Lowell									
State, Zip: MA, 01854									
Phone: 978-656(Tel)									
Email: mplumb@trccompanies.com									
Project Name: SEO#1									
Solvent Chemical Semi-annual Monitoring									
Site: 48002700									
SSOW#:									
Due Date Requested:									
TAT Requested (days):									
Standard									
PO #:									
WO #:									
Project #:									
SSOW#:									
Analysis Requested									
Preservation Codes:									
A - HCL									
B - NaOH									
C - Zn Acetate									
D - Nitric Acid									
E - NaHSO4									
F - MeOH									
G - Amchlor									
H - Ascorbic Acid									
I - Ice									
J - DI Water									
K - EDTA									
L - EDA									
M - Hexane									
N - None									
O - AsNaO2									
P - Na2O4S									
Q - Na2SO3									
R - Na2SO4									
S - H2SO4									
T - TSP Dodecahydrate									
U - Acetone									
V - MCAA									
W - pH 4-5									
Z - other (specify)									
Other:									
Sample Identification									
Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=oil, BT=Tissue, AA=Air)		Special Instructions/Note:	
OW-7B		9/25/19 1305		G		Water		3	
OW-5B		9/25/19 1137		G		Water		3	
OW-105B		9/25/19 1237		G		Water		3	
MW-4C		9/24/19 1510		G		Water		9 ms/msd	
OW-8B		9/25/19 1320		G		Water		3	
OW-12A		9/25/19 1410		G		Water		3	
MW-1B		9/25/19 1422		G		Water		3	
MW-1C		9/25/19 1432		G		Water		3	
MW-1CO		9/25/19 1442		G		Water		3	
OW-10B		9/25/19 1450		G		Water		3	
OW-11B		9/25/19 1505		G		Water		3	
Possible Hazard Identification									
☐ Non-Hazard		☐ Flammable		☐ Skin Irritant		☐ Poison B		☒ Unknown	
☐ Deliverable Requested: I, II, III, IV, Other (specify)									
Empty Kit Relinquished by:									
Relinquished by:		Date:		Time:		Method of Shipment:			
Relinquished by:		Date/Time:		Date/Time:		Company:			
Relinquished by:		Date/Time:		Date/Time:		Company:			
Relinquished by:		Date/Time:		Date/Time:		Company:			
Custody Seals Intact:		Custody Seal No.:							
Δ Yes Δ No									
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
☐ Return To Client		☒ Disposal By Lab		☐ Archive For		Months			
Special Instructions/QC Requirements:									
Received by:		Date/Time:		Date/Time:		Company:			
Received by:		Date/Time:		Date/Time:		Company:			
Received by:		Date/Time:		Date/Time:		Company:			
Cooler Temperature(s) °C and Other Remarks:		3.1		#1					

10/10/2019

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 480-159830-1

Login Number: 159830

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Kolb, Chris M

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.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

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

Laboratory Job ID: 480-159923-1

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:

10/25/2019 11:43:10 AM

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

Job ID: 480-159923-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
B	Compound was found in the blank and sample.
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

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

Job ID: 480-159923-1

Job ID: 480-159923-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-159923-1

Comments

No additional comments.

Receipt

The samples were received on 9/27/2019 5:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 1.9° C, 2.6° C, 3.0° C and 3.4° C.

GC/MS Semi VOA

Method(s) 8270D SIM ID: The breakdown of 4,4'-DDT in the tuning evaluation exceeded 20%. Breakdown is not a criteria of the method but rather an internal check performed by the laboratory to evaluate the peak shape of 1,4-Dioxane and 1,4-Dioxane-d8. No adverse performance was observed and QC recoveries were in control. The data have been reported. (DFTPP 480-496015/2).

Method(s) 8270D SIM ID: The 1,4-Dioxane result reported for samples OW-15A (480-159923-6[MS]), OW-15A (480-159923-6[MSD]) and (LCS 480-495272/2-A) have an E flag qualifier indicating the results are over the calibration range on the raw data. The actual amounts are within the calibration range; however, the E flag is generated based upon the bias corrected concentration. The LIMS system calculates a bias correction based on the recovery of the 1,4-Dioxane-d8 isotope.

Method(s) 8270D SIM ID: The following sample was diluted due to the nature of the sample matrix: OW-18A (480-159923-8). Elevated reporting limits (RLs) are provided.

Method(s) 8270D SIM ID: The breakdown of 4,4'-DDT in the tuning evaluation exceeded 20%. Breakdown is not a criteria of the method but rather an internal check performed by the laboratory to evaluate the peak shape of 1,4-Dioxane and 1,4-Dioxane-d8. No adverse performance was observed and QC recoveries were in control. The data have been reported. (DFTPP 480-496250/2).

Method(s) 8270D SIM ID: The following samples were diluted due to the nature of the sample matrix: MW-6B (480-159923-3) and OW-1B (480-159923-9). 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.

LCMS

Method 537 (modified): Due to a shortage in the marketplace for 13C3-PFBS, the target analyte PFBS and/or Perfluoropentanesulfonic acid (PFPeS) could not be quantitated against 13C3-PFBS (its labeled variant) as listed in the SOP. PFBS and Perfluoropentanesulfonic acid (PFPeS) was quantitated versus 18O2-PFHxS instead. (ICV 320-327639/11)

Methods 537 (modified), EPA 537 (Mod), EPA 537(Mod): Due to a shortage in the marketplace for 13C3-PFBS, the target analyte PFBS and/or Perfluoropentanesulfonic acid (PFPeS) could not be quantitated against 13C3-PFBS (its labeled variant) as listed in the SOP. PFBS and Perfluoropentanesulfonic acid (PFPeS) was quantitated versus 18O2-PFHxS instead. (ICV 320-330004/11)

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for M2-6:2 FTS and M2-8:2 FTS in the following samples: MW-6A (480-159923-2), MW-6B (480-159923-3), OW-27A (480-159923-4) and OW-18A (480-159923-8). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. The samples were re-analyzed with concurring results.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for M2-6:2 FTS the following samples: OW-27B (480-159923-5), OW-1B (480-159923-9) and OW-127B (480-159923-10). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Due to a shortage in the marketplace for 13C3-PFBS, the target analyte Perfluorobutanesulfonic acid (PFBS) and/or Perfluoropentanesulfonic acid (PFPeS) could not be quantitated against 13C3-PFBS (its labeled variant) as listed in the SOP. PFBS and PFPeS were quantitated versus 18O2-PFHxS instead. (ICV 320-331743/11).

Method 537 (modified): The following samples exhibited elevated noise or matrix interferences for Perfluorobutanoic acid (PFBA) and

Case Narrative

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

Job ID: 480-159923-1

Job ID: 480-159923-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Perfluoropentanoic acid (PFPeA) causing elevation of the reporting limit (RL): MW-6A (480-159923-2) . The reporting limit (RL) for the affected analytes has been raised to be equal to the matrix, and a "G" qualifier applied.

Method 537 (modified): Results for sample OW-27A (480-159923-4) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

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

Organic Prep

Method(s) 3510C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: OW-2B (480-159923-7). The reporting limits (RLs) have been adjusted proportionately.

Method(s) 3535: The following samples were observed to contain sediment prior to extraction: MW-2B (480-159923-1), MW-6A (480-159923-2), MW-6B (480-159923-3), OW-27A (480-159923-4), OW-27B (480-159923-5), OW-2B (480-159923-7), OW-18A (480-159923-8), OW-1B (480-159923-9) and OW-127B (480-159923-10)

Method(s) 3535: The following samples contain non-settleable particulate matter which clogged the solid-phase extraction column: MW-2B (480-159923-1), OW-2B (480-159923-7) and OW-18A (480-159923-8)

Method(s) 3535: The following sample was observed to be light yellow in color after final voluming: OW-18A (480-159923-8)

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: 480-159923-1

Client Sample ID: MW-2B

Lab Sample ID: 480-159923-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	6.4		1.9	0.33	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	9.6		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	12		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	5.1		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	39		1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	4.4		1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	11		1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	3.2		1.9	1.0	ng/L	1		537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	2.3		1.9	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	0.30	J B	1.9	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.98	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	8.1	B	1.9	0.16	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.37	J	1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	16		1.9	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	0.43	J	1.9	0.33	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-6A

Lab Sample ID: 480-159923-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.16	J	0.20	0.10	ug/L	1		8270D SIM ID	Total/NA
Perfluorohexanoic acid (PFHxA)	19		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	20		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	120		1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	6.5		1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.41	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	7.9		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	28	B	1.9	0.16	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	3.6		1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	110		1.9	0.51	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-6B

Lab Sample ID: 480-159923-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	2.9		2.0	1.0	ug/L	10		8270D SIM ID	Total/NA
Perfluorobutanoic acid (PFBA)	21		1.9	0.33	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	60		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	29		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	19		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	13		1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.2		1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.99	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	0.29	J B	1.9	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.0		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	8.9	B	1.9	0.16	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.57	J	1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	28		1.9	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	0.33	J	1.9	0.33	ng/L	1		537 (modified)	Total/NA
6:2 FTS	8.7	J	19	1.9	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-159923-1

Client Sample ID: OW-27A

Lab Sample ID: 480-159923-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.30		0.20	0.10	ug/L	1		8270D SIM ID	Total/NA
Perfluorobutanoic acid (PFBA)	20		1.8	0.32	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	19		1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	54		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	22		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	140		1.8	0.78	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	3.2		1.8	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.82	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	24		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	190	B	1.8	0.16	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	14		1.8	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.2	J	1.8	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - DL	700		9.2	2.5	ng/L	5		537 (modified)	Total/NA

Client Sample ID: OW-27B

Lab Sample ID: 480-159923-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.24		0.20	0.10	ug/L	1		8270D SIM ID	Total/NA
Perfluorobutanoic acid (PFBA)	10		1.8	0.32	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	17		1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	23		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	9.2		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	53		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	3.0		1.8	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	5.5		1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.3	J	1.8	1.0	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	6.4		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	57	B	1.8	0.15	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	3.7		1.8	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	200		1.8	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.0	J	1.8	0.32	ng/L	1		537 (modified)	Total/NA
6:2 FTS	4.0	J	18	1.8	ng/L	1		537 (modified)	Total/NA

Client Sample ID: OW-15A

Lab Sample ID: 480-159923-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.6		1.9	0.33	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	5.4		1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	12		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	6.7		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	22		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.98	J	1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	2.0		1.9	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	5.4		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.4	B	1.9	0.16	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.7		1.9	0.52	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-159923-1

Client Sample ID: OW-2B

Lab Sample ID: 480-159923-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	28		1.9	0.34	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	85		1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	45		1.9	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	27		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	14		1.9	0.82	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	3.1		1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.4	J	1.9	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	0.43	J B	1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	4.4		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	22	B	1.9	0.16	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	1.1	J	1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	57		1.9	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	0.36	J	1.9	0.34	ng/L	1		537 (modified)	Total/NA
6:2 FTS	12	J	19	1.9	ng/L	1		537 (modified)	Total/NA
8:2 FTS	1.9	J	19	1.9	ng/L	1		537 (modified)	Total/NA

Client Sample ID: OW-18A

Lab Sample ID: 480-159923-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	10		1.9	0.32	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	13		1.9	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	33		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	16		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	95		1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.8	J	1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	0.29	J B	1.9	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	11		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	33	B	1.9	0.16	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	1.6	J	1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	52		1.9	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.4	J	1.9	0.32	ng/L	1		537 (modified)	Total/NA

Client Sample ID: OW-1B

Lab Sample ID: 480-159923-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	16		1.9	0.33	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	37		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	41		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	14		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	27		1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.5	J	1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.38	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	9.1		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	76	B	1.9	0.16	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	3.5		1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	120		1.9	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.2	J	1.9	0.33	ng/L	1		537 (modified)	Total/NA
6:2 FTS	7.4	J	19	1.9	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-159923-1

Client Sample ID: OW-127B

Lab Sample ID: 480-159923-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,4-Dioxane	0.26		0.20	0.10	ug/L	1			8270D SIM ID	Total/NA
Perfluorobutanoic acid (PFBA)	9.6		1.9	0.32	ng/L	1			537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	16		1.9	0.45	ng/L	1			537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	23		1.9	0.54	ng/L	1			537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.5		1.9	0.23	ng/L	1			537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	50		1.9	0.79	ng/L	1			537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	3.0		1.9	0.25	ng/L	1			537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	5.9		1.9	0.29	ng/L	1			537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.6	J	1.9	1.0	ng/L	1			537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	6.7		1.9	0.19	ng/L	1			537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	54	B	1.9	0.16	ng/L	1			537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	3.5		1.9	0.18	ng/L	1			537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	200		1.9	0.50	ng/L	1			537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.2	J	1.9	0.32	ng/L	1			537 (modified)	Total/NA
6:2 FTS	3.3	J	19	1.9	ng/L	1			537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159923-1

Client Sample ID: MW-2B

Lab Sample ID: 480-159923-1

Date Collected: 09/27/19 09:45

Matrix: Water

Date Received: 09/27/19 17:30

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		10/01/19 15:49	10/05/19 03:03	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	38		15 - 110				10/01/19 15:49	10/05/19 03:03	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.4		1.9	0.33	ng/L		10/07/19 05:31	10/09/19 08:53	1
Perfluoropentanoic acid (PFPeA)	9.6		1.9	0.46	ng/L		10/07/19 05:31	10/09/19 08:53	1
Perfluorohexanoic acid (PFHxA)	12		1.9	0.55	ng/L		10/07/19 05:31	10/09/19 08:53	1
Perfluoroheptanoic acid (PFHpA)	5.1		1.9	0.24	ng/L		10/07/19 05:31	10/09/19 08:53	1
Perfluorooctanoic acid (PFOA)	39		1.9	0.80	ng/L		10/07/19 05:31	10/09/19 08:53	1
Perfluorononanoic acid (PFNA)	4.4		1.9	0.25	ng/L		10/07/19 05:31	10/09/19 08:53	1
Perfluorodecanoic acid (PFDA)	11		1.9	0.29	ng/L		10/07/19 05:31	10/09/19 08:53	1
Perfluoroundecanoic acid (PFUnA)	3.2		1.9	1.0	ng/L		10/07/19 05:31	10/09/19 08:53	1
Perfluorododecanoic acid (PFDoA)	2.3		1.9	0.52	ng/L		10/07/19 05:31	10/09/19 08:53	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9	1.2	ng/L		10/07/19 05:31	10/09/19 08:53	1
Perfluorotetradecanoic acid (PFTeA)	0.30	J B	1.9	0.27	ng/L		10/07/19 05:31	10/09/19 08:53	1
Perfluorobutanesulfonic acid (PFBS)	0.98	J	1.9	0.19	ng/L		10/07/19 05:31	10/09/19 08:53	1
Perfluorohexanesulfonic acid (PFHxS)	8.1	B	1.9	0.16	ng/L		10/07/19 05:31	10/09/19 08:53	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.37	J	1.9	0.18	ng/L		10/07/19 05:31	10/09/19 08:53	1
Perfluorooctanesulfonic acid (PFOS)	16		1.9	0.51	ng/L		10/07/19 05:31	10/09/19 08:53	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.30	ng/L		10/07/19 05:31	10/09/19 08:53	1
Perfluorooctanesulfonamide (FOSA)	0.43	J	1.9	0.33	ng/L		10/07/19 05:31	10/09/19 08:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		19	2.9	ng/L		10/07/19 05:31	10/09/19 08:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		19	1.8	ng/L		10/07/19 05:31	10/09/19 08:53	1
6:2 FTS	ND		19	1.9	ng/L		10/07/19 05:31	10/09/19 08:53	1
8:2 FTS	ND		19	1.9	ng/L		10/07/19 05:31	10/09/19 08:53	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	80		25 - 150				10/07/19 05:31	10/09/19 08:53	1
13C5 PFPeA	92		25 - 150				10/07/19 05:31	10/09/19 08:53	1
13C2 PFHxA	95		25 - 150				10/07/19 05:31	10/09/19 08:53	1
13C4 PFHpA	99		25 - 150				10/07/19 05:31	10/09/19 08:53	1
13C4 PFOA	102		25 - 150				10/07/19 05:31	10/09/19 08:53	1
13C5 PFNA	98		25 - 150				10/07/19 05:31	10/09/19 08:53	1
13C2 PFDA	89		25 - 150				10/07/19 05:31	10/09/19 08:53	1
13C2 PFUnA	78		25 - 150				10/07/19 05:31	10/09/19 08:53	1
13C2 PFDoA	70		25 - 150				10/07/19 05:31	10/09/19 08:53	1
13C2 PFTeDA	70		25 - 150				10/07/19 05:31	10/09/19 08:53	1
18O2 PFHxS	105		25 - 150				10/07/19 05:31	10/09/19 08:53	1
13C4 PFOS	91		25 - 150				10/07/19 05:31	10/09/19 08:53	1
13C8 FOSA	88		25 - 150				10/07/19 05:31	10/09/19 08:53	1
d3-NMeFOSAA	84		25 - 150				10/07/19 05:31	10/09/19 08:53	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159923-1

Client Sample ID: MW-2B

Date Collected: 09/27/19 09:45

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-1

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	80		25 - 150	10/07/19 05:31	10/09/19 08:53	1
M2-6:2 FTS	143		25 - 150	10/07/19 05:31	10/09/19 08:53	1
M2-8:2 FTS	99		25 - 150	10/07/19 05:31	10/09/19 08:53	1

Client Sample ID: MW-6A

Date Collected: 09/27/19 08:25

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-2

Matrix: Water

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.16	J	0.20	0.10	ug/L	—	10/01/19 15:49	10/05/19 03:26	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	26		15 - 110				10/01/19 15:49	10/05/19 03:26	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND	G	25	25	ng/L		10/07/19 05:31	10/09/19 09:03	1
Perfluoropentanoic acid (PFPeA)	ND	G	38	38	ng/L		10/07/19 05:31	10/09/19 09:03	1
Perfluorohexanoic acid (PFHxA)	19		1.9	0.55	ng/L		10/07/19 05:31	10/09/19 09:03	1
Perfluoroheptanoic acid (PFHpA)	20		1.9	0.24	ng/L		10/07/19 05:31	10/09/19 09:03	1
Perfluorooctanoic acid (PFOA)	120		1.9	0.80	ng/L		10/07/19 05:31	10/09/19 09:03	1
Perfluorononanoic acid (PFNA)	6.5		1.9	0.26	ng/L		10/07/19 05:31	10/09/19 09:03	1
Perfluorodecanoic acid (PFDA)	0.41	J	1.9	0.29	ng/L		10/07/19 05:31	10/09/19 09:03	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9	1.0	ng/L		10/07/19 05:31	10/09/19 09:03	1
Perfluorododecanoic acid (PFDoA)	ND		1.9	0.52	ng/L		10/07/19 05:31	10/09/19 09:03	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9	1.2	ng/L		10/07/19 05:31	10/09/19 09:03	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9	0.27	ng/L		10/07/19 05:31	10/09/19 09:03	1
Perfluorobutanesulfonic acid (PFBS)	7.9		1.9	0.19	ng/L		10/07/19 05:31	10/09/19 09:03	1
Perfluorohexanesulfonic acid (PFHxS)	28	B	1.9	0.16	ng/L		10/07/19 05:31	10/09/19 09:03	1
Perfluoroheptanesulfonic Acid (PFHpS)	3.6		1.9	0.18	ng/L		10/07/19 05:31	10/09/19 09:03	1
Perfluorooctanesulfonic acid (PFOS)	110		1.9	0.51	ng/L		10/07/19 05:31	10/09/19 09:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.30	ng/L		10/07/19 05:31	10/09/19 09:03	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9	0.33	ng/L		10/07/19 05:31	10/09/19 09:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		19	2.9	ng/L		10/07/19 05:31	10/09/19 09:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		19	1.8	ng/L		10/07/19 05:31	10/09/19 09:03	1
6:2 FTS	ND		19	1.9	ng/L		10/07/19 05:31	10/09/19 09:03	1
8:2 FTS	ND		19	1.9	ng/L		10/07/19 05:31	10/09/19 09:03	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	30		25 - 150				10/07/19 05:31	10/09/19 09:03	1
13C5 PFPeA	56		25 - 150				10/07/19 05:31	10/09/19 09:03	1
13C2 PFHxA	78		25 - 150				10/07/19 05:31	10/09/19 09:03	1
13C4 PFHpA	97		25 - 150				10/07/19 05:31	10/09/19 09:03	1
13C4 PFOA	110		25 - 150				10/07/19 05:31	10/09/19 09:03	1
13C5 PFNA	115		25 - 150				10/07/19 05:31	10/09/19 09:03	1
13C2 PFDA	121		25 - 150				10/07/19 05:31	10/09/19 09:03	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159923-1

Client Sample ID: MW-6A

Date Collected: 09/27/19 08:25

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-2

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFUnA	115		25 - 150	10/07/19 05:31	10/09/19 09:03	1
13C2 PFDoA	122		25 - 150	10/07/19 05:31	10/09/19 09:03	1
13C2 PFTeDA	116		25 - 150	10/07/19 05:31	10/09/19 09:03	1
18O2 PFHxS	115		25 - 150	10/07/19 05:31	10/09/19 09:03	1
13C4 PFOS	112		25 - 150	10/07/19 05:31	10/09/19 09:03	1
13C8 FOSA	107		25 - 150	10/07/19 05:31	10/09/19 09:03	1
d3-NMeFOSAA	115		25 - 150	10/07/19 05:31	10/09/19 09:03	1
d5-NEtFOSAA	128		25 - 150	10/07/19 05:31	10/09/19 09:03	1
M2-6:2 FTS	284 *		25 - 150	10/07/19 05:31	10/09/19 09:03	1
M2-8:2 FTS	237 *		25 - 150	10/07/19 05:31	10/09/19 09:03	1

Client Sample ID: MW-6B

Date Collected: 09/27/19 08:10

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-3

Matrix: Water

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.9		2.0	1.0	ug/L	-	10/01/19 15:49	10/06/19 18:01	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	26		15 - 110				10/01/19 15:49	10/06/19 18:01	10

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	21		1.9	0.33	ng/L		10/07/19 05:31	10/09/19 09:12	1
Perfluoropentanoic acid (PFPeA)	60		1.9	0.46	ng/L		10/07/19 05:31	10/09/19 09:12	1
Perfluorohexanoic acid (PFHxA)	29		1.9	0.54	ng/L		10/07/19 05:31	10/09/19 09:12	1
Perfluoroheptanoic acid (PFHpA)	19		1.9	0.23	ng/L		10/07/19 05:31	10/09/19 09:12	1
Perfluorooctanoic acid (PFOA)	13		1.9	0.80	ng/L		10/07/19 05:31	10/09/19 09:12	1
Perfluorononanoic acid (PFNA)	2.2		1.9	0.25	ng/L		10/07/19 05:31	10/09/19 09:12	1
Perfluorodecanoic acid (PFDA)	0.99	J	1.9	0.29	ng/L		10/07/19 05:31	10/09/19 09:12	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9	1.0	ng/L		10/07/19 05:31	10/09/19 09:12	1
Perfluorododecanoic acid (PFDoA)	ND		1.9	0.52	ng/L		10/07/19 05:31	10/09/19 09:12	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9	1.2	ng/L		10/07/19 05:31	10/09/19 09:12	1
Perfluorotetradecanoic acid (PFTeA)	0.29	J B	1.9	0.27	ng/L		10/07/19 05:31	10/09/19 09:12	1
Perfluorobutanesulfonic acid (PFBS)	2.0		1.9	0.19	ng/L		10/07/19 05:31	10/09/19 09:12	1
Perfluorohexanesulfonic acid (PFHxS)	8.9	B	1.9	0.16	ng/L		10/07/19 05:31	10/09/19 09:12	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.57	J	1.9	0.18	ng/L		10/07/19 05:31	10/09/19 09:12	1
Perfluorooctanesulfonic acid (PFOS)	28		1.9	0.51	ng/L		10/07/19 05:31	10/09/19 09:12	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.30	ng/L		10/07/19 05:31	10/09/19 09:12	1
Perfluorooctanesulfonamide (FOSA)	0.33	J	1.9	0.33	ng/L		10/07/19 05:31	10/09/19 09:12	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		19	2.9	ng/L		10/07/19 05:31	10/09/19 09:12	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		19	1.8	ng/L		10/07/19 05:31	10/09/19 09:12	1
6:2 FTS	8.7	J	19	1.9	ng/L		10/07/19 05:31	10/09/19 09:12	1
8:2 FTS	ND		19	1.9	ng/L		10/07/19 05:31	10/09/19 09:12	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159923-1

Client Sample ID: MW-6B

Date Collected: 09/27/19 08:10

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-3

Matrix: Water

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	74		25 - 150	10/07/19 05:31	10/09/19 09:12	1
13C5 PFPeA	93		25 - 150	10/07/19 05:31	10/09/19 09:12	1
13C2 PFHxA	101		25 - 150	10/07/19 05:31	10/09/19 09:12	1
13C4 PFHpA	106		25 - 150	10/07/19 05:31	10/09/19 09:12	1
13C4 PFOA	111		25 - 150	10/07/19 05:31	10/09/19 09:12	1
13C5 PFNA	112		25 - 150	10/07/19 05:31	10/09/19 09:12	1
13C2 PFDA	111		25 - 150	10/07/19 05:31	10/09/19 09:12	1
13C2 PFUnA	105		25 - 150	10/07/19 05:31	10/09/19 09:12	1
13C2 PFDoA	103		25 - 150	10/07/19 05:31	10/09/19 09:12	1
13C2 PFTeDA	89		25 - 150	10/07/19 05:31	10/09/19 09:12	1
18O2 PFHxS	111		25 - 150	10/07/19 05:31	10/09/19 09:12	1
13C4 PFOS	104		25 - 150	10/07/19 05:31	10/09/19 09:12	1
13C8 FOSA	110		25 - 150	10/07/19 05:31	10/09/19 09:12	1
d3-NMeFOSAA	103		25 - 150	10/07/19 05:31	10/09/19 09:12	1
d5-NEtFOSAA	110		25 - 150	10/07/19 05:31	10/09/19 09:12	1
M2-6:2 FTS	186	*	25 - 150	10/07/19 05:31	10/09/19 09:12	1
M2-8:2 FTS	152	*	25 - 150	10/07/19 05:31	10/09/19 09:12	1

Client Sample ID: OW-27A

Date Collected: 09/27/19 16:30

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-4

Matrix: Water

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.30		0.20	0.10	ug/L		10/01/19 15:49	10/05/19 04:13	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	31		15 - 110				10/01/19 15:49	10/05/19 04:13	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	20		1.8	0.32	ng/L		10/07/19 05:31	10/09/19 09:22	1
Perfluoropentanoic acid (PFPeA)	19		1.8	0.45	ng/L		10/07/19 05:31	10/09/19 09:22	1
Perfluorohexanoic acid (PFHxA)	54		1.8	0.53	ng/L		10/07/19 05:31	10/09/19 09:22	1
Perfluoroheptanoic acid (PFHpA)	22		1.8	0.23	ng/L		10/07/19 05:31	10/09/19 09:22	1
Perfluorooctanoic acid (PFOA)	140		1.8	0.78	ng/L		10/07/19 05:31	10/09/19 09:22	1
Perfluorononanoic acid (PFNA)	3.2		1.8	0.25	ng/L		10/07/19 05:31	10/09/19 09:22	1
Perfluorodecanoic acid (PFDA)	0.82	J	1.8	0.28	ng/L		10/07/19 05:31	10/09/19 09:22	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	1.0	ng/L		10/07/19 05:31	10/09/19 09:22	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.50	ng/L		10/07/19 05:31	10/09/19 09:22	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	1.2	ng/L		10/07/19 05:31	10/09/19 09:22	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.27	ng/L		10/07/19 05:31	10/09/19 09:22	1
Perfluorobutanesulfonic acid (PFBS)	24		1.8	0.18	ng/L		10/07/19 05:31	10/09/19 09:22	1
Perfluorohexanesulfonic acid (PFHxS)	190	B	1.8	0.16	ng/L		10/07/19 05:31	10/09/19 09:22	1
Perfluoroheptanesulfonic Acid (PFHpS)	14		1.8	0.17	ng/L		10/07/19 05:31	10/09/19 09:22	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.29	ng/L		10/07/19 05:31	10/09/19 09:22	1
Perfluorooctanesulfonamide (FOSA)	1.2	J	1.8	0.32	ng/L		10/07/19 05:31	10/09/19 09:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18	2.8	ng/L		10/07/19 05:31	10/09/19 09:22	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159923-1

Client Sample ID: OW-27A

Lab Sample ID: 480-159923-4

Date Collected: 09/27/19 16:30

Matrix: Water

Date Received: 09/27/19 17:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18	1.7	ng/L		10/07/19 05:31	10/09/19 09:22	1
6:2 FTS	ND		18	1.8	ng/L		10/07/19 05:31	10/09/19 09:22	1
8:2 FTS	ND		18	1.8	ng/L		10/07/19 05:31	10/09/19 09:22	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	49		25 - 150				10/07/19 05:31	10/09/19 09:22	1
13C5 PFPeA	78		25 - 150				10/07/19 05:31	10/09/19 09:22	1
13C2 PFHxA	90		25 - 150				10/07/19 05:31	10/09/19 09:22	1
13C4 PFHpA	99		25 - 150				10/07/19 05:31	10/09/19 09:22	1
13C4 PFOA	110		25 - 150				10/07/19 05:31	10/09/19 09:22	1
13C5 PFNA	109		25 - 150				10/07/19 05:31	10/09/19 09:22	1
13C2 PFDA	114		25 - 150				10/07/19 05:31	10/09/19 09:22	1
13C2 PFUnA	115		25 - 150				10/07/19 05:31	10/09/19 09:22	1
13C2 PFDoA	110		25 - 150				10/07/19 05:31	10/09/19 09:22	1
13C2 PFTeDA	99		25 - 150				10/07/19 05:31	10/09/19 09:22	1
18O2 PFHxS	109		25 - 150				10/07/19 05:31	10/09/19 09:22	1
13C4 PFOS	102		25 - 150				10/07/19 05:31	10/09/19 09:22	1
13C8 FOSA	113		25 - 150				10/07/19 05:31	10/09/19 09:22	1
d3-NMeFOSAA	113		25 - 150				10/07/19 05:31	10/09/19 09:22	1
d5-NEtFOSAA	130		25 - 150				10/07/19 05:31	10/09/19 09:22	1
M2-6:2 FTS	231	*	25 - 150				10/07/19 05:31	10/09/19 09:22	1
M2-8:2 FTS	202	*	25 - 150				10/07/19 05:31	10/09/19 09:22	1

Method: 537 (modified) - Fluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	700		9.2	2.5	ng/L		10/07/19 05:31	10/21/19 16:37	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOS	93		25 - 150				10/07/19 05:31	10/21/19 16:37	5

Client Sample ID: OW-27B

Lab Sample ID: 480-159923-5

Date Collected: 09/27/19 15:45

Matrix: Water

Date Received: 09/27/19 17:30

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.24		0.20	0.10	ug/L		10/01/19 15:49	10/05/19 04:36	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	30		15 - 110				10/01/19 15:49	10/05/19 04:36	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	10		1.8	0.32	ng/L		10/07/19 05:31	10/09/19 09:31	1
Perfluoropentanoic acid (PFPeA)	17		1.8	0.45	ng/L		10/07/19 05:31	10/09/19 09:31	1
Perfluorohexanoic acid (PFHxA)	23		1.8	0.53	ng/L		10/07/19 05:31	10/09/19 09:31	1
Perfluoroheptanoic acid (PFHpA)	9.2		1.8	0.23	ng/L		10/07/19 05:31	10/09/19 09:31	1
Perfluorooctanoic acid (PFOA)	53		1.8	0.77	ng/L		10/07/19 05:31	10/09/19 09:31	1
Perfluorononanoic acid (PFNA)	3.0		1.8	0.25	ng/L		10/07/19 05:31	10/09/19 09:31	1
Perfluorodecanoic acid (PFDA)	5.5		1.8	0.28	ng/L		10/07/19 05:31	10/09/19 09:31	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159923-1

Client Sample ID: OW-27B

Lab Sample ID: 480-159923-5

Date Collected: 09/27/19 15:45

Matrix: Water

Date Received: 09/27/19 17:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	1.3	J	1.8	1.0	ng/L		10/07/19 05:31	10/09/19 09:31	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.50	ng/L		10/07/19 05:31	10/09/19 09:31	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	1.2	ng/L		10/07/19 05:31	10/09/19 09:31	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.26	ng/L		10/07/19 05:31	10/09/19 09:31	1
Perfluorobutanesulfonic acid (PFBS)	6.4		1.8	0.18	ng/L		10/07/19 05:31	10/09/19 09:31	1
Perfluorohexanesulfonic acid (PFHxS)	57	B	1.8	0.15	ng/L		10/07/19 05:31	10/09/19 09:31	1
Perfluoroheptanesulfonic Acid (PFHpS)	3.7		1.8	0.17	ng/L		10/07/19 05:31	10/09/19 09:31	1
Perfluorooctanesulfonic acid (PFOS)	200		1.8	0.49	ng/L		10/07/19 05:31	10/09/19 09:31	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.29	ng/L		10/07/19 05:31	10/09/19 09:31	1
Perfluorooctanesulfonamide (FOSA)	1.0	J	1.8	0.32	ng/L		10/07/19 05:31	10/09/19 09:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18	2.8	ng/L		10/07/19 05:31	10/09/19 09:31	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18	1.7	ng/L		10/07/19 05:31	10/09/19 09:31	1
6:2 FTS	4.0	J	18	1.8	ng/L		10/07/19 05:31	10/09/19 09:31	1
8:2 FTS	ND		18	1.8	ng/L		10/07/19 05:31	10/09/19 09:31	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	73		25 - 150				10/07/19 05:31	10/09/19 09:31	1
13C5 PFPeA	93		25 - 150				10/07/19 05:31	10/09/19 09:31	1
13C2 PFHxA	102		25 - 150				10/07/19 05:31	10/09/19 09:31	1
13C4 PFHpA	107		25 - 150				10/07/19 05:31	10/09/19 09:31	1
13C4 PFOA	111		25 - 150				10/07/19 05:31	10/09/19 09:31	1
13C5 PFNA	112		25 - 150				10/07/19 05:31	10/09/19 09:31	1
13C2 PFDA	114		25 - 150				10/07/19 05:31	10/09/19 09:31	1
13C2 PFUnA	105		25 - 150				10/07/19 05:31	10/09/19 09:31	1
13C2 PFDoA	101		25 - 150				10/07/19 05:31	10/09/19 09:31	1
13C2 PFTeDA	106		25 - 150				10/07/19 05:31	10/09/19 09:31	1
18O2 PFHxS	107		25 - 150				10/07/19 05:31	10/09/19 09:31	1
13C4 PFOS	106		25 - 150				10/07/19 05:31	10/09/19 09:31	1
13C8 FOSA	110		25 - 150				10/07/19 05:31	10/09/19 09:31	1
d3-NMeFOSAA	104		25 - 150				10/07/19 05:31	10/09/19 09:31	1
d5-NEtFOSAA	109		25 - 150				10/07/19 05:31	10/09/19 09:31	1
M2-6:2 FTS	168	*	25 - 150				10/07/19 05:31	10/09/19 09:31	1
M2-8:2 FTS	142		25 - 150				10/07/19 05:31	10/09/19 09:31	1

Client Sample ID: OW-15A

Lab Sample ID: 480-159923-6

Date Collected: 09/27/19 11:05

Matrix: Water

Date Received: 09/27/19 17:30

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		10/01/19 15:49	10/05/19 02:39	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	31		15 - 110				10/01/19 15:49	10/05/19 02:39	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159923-1

Client Sample ID: OW-15A

Lab Sample ID: 480-159923-6

Date Collected: 09/27/19 11:05

Matrix: Water

Date Received: 09/27/19 17:30

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.6		1.9	0.33	ng/L		10/07/19 05:31	10/09/19 09:41	1
Perfluoropentanoic acid (PFPeA)	5.4		1.9	0.47	ng/L		10/07/19 05:31	10/09/19 09:41	1
Perfluorohexanoic acid (PFHxA)	12		1.9	0.55	ng/L		10/07/19 05:31	10/09/19 09:41	1
Perfluoroheptanoic acid (PFHpA)	6.7		1.9	0.24	ng/L		10/07/19 05:31	10/09/19 09:41	1
Perfluorooctanoic acid (PFOA)	22		1.9	0.81	ng/L		10/07/19 05:31	10/09/19 09:41	1
Perfluorononanoic acid (PFNA)	0.98 J		1.9	0.26	ng/L		10/07/19 05:31	10/09/19 09:41	1
Perfluorodecanoic acid (PFDA)	2.0		1.9	0.30	ng/L		10/07/19 05:31	10/09/19 09:41	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9	1.1	ng/L		10/07/19 05:31	10/09/19 09:41	1
Perfluorododecanoic acid (PFDoA)	ND		1.9	0.53	ng/L		10/07/19 05:31	10/09/19 09:41	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9	1.2	ng/L		10/07/19 05:31	10/09/19 09:41	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9	0.28	ng/L		10/07/19 05:31	10/09/19 09:41	1
Perfluorobutanesulfonic acid (PFBS)	5.4		1.9	0.19	ng/L		10/07/19 05:31	10/09/19 09:41	1
Perfluorohexanesulfonic acid (PFHxS)	4.4 B		1.9	0.16	ng/L		10/07/19 05:31	10/09/19 09:41	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9	0.18	ng/L		10/07/19 05:31	10/09/19 09:41	1
Perfluorooctanesulfonic acid (PFOS)	2.7		1.9	0.52	ng/L		10/07/19 05:31	10/09/19 09:41	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.31	ng/L		10/07/19 05:31	10/09/19 09:41	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9	0.33	ng/L		10/07/19 05:31	10/09/19 09:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		19	3.0	ng/L		10/07/19 05:31	10/09/19 09:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		19	1.8	ng/L		10/07/19 05:31	10/09/19 09:41	1
6:2 FTS	ND		19	1.9	ng/L		10/07/19 05:31	10/09/19 09:41	1
8:2 FTS	ND		19	1.9	ng/L		10/07/19 05:31	10/09/19 09:41	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	77		25 - 150	10/07/19 05:31	10/09/19 09:41	1
13C5 PFPeA	101		25 - 150	10/07/19 05:31	10/09/19 09:41	1
13C2 PFHxA	107		25 - 150	10/07/19 05:31	10/09/19 09:41	1
13C4 PFHpA	110		25 - 150	10/07/19 05:31	10/09/19 09:41	1
13C4 PFOA	114		25 - 150	10/07/19 05:31	10/09/19 09:41	1
13C5 PFNA	109		25 - 150	10/07/19 05:31	10/09/19 09:41	1
13C2 PFDA	111		25 - 150	10/07/19 05:31	10/09/19 09:41	1
13C2 PFUnA	105		25 - 150	10/07/19 05:31	10/09/19 09:41	1
13C2 PFDoA	97		25 - 150	10/07/19 05:31	10/09/19 09:41	1
13C2 PFTeDA	100		25 - 150	10/07/19 05:31	10/09/19 09:41	1
18O2 PFHxS	116		25 - 150	10/07/19 05:31	10/09/19 09:41	1
13C4 PFOS	114		25 - 150	10/07/19 05:31	10/09/19 09:41	1
13C8 FOSA	107		25 - 150	10/07/19 05:31	10/09/19 09:41	1
d3-NMeFOSAA	105		25 - 150	10/07/19 05:31	10/09/19 09:41	1
d5-NEtFOSAA	105		25 - 150	10/07/19 05:31	10/09/19 09:41	1
M2-6:2 FTS	137		25 - 150	10/07/19 05:31	10/09/19 09:41	1
M2-8:2 FTS	109		25 - 150	10/07/19 05:31	10/09/19 09:41	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159923-1

Client Sample ID: OW-2B

Lab Sample ID: 480-159923-7

Date Collected: 09/27/19 09:05

Matrix: Water

Date Received: 09/27/19 17:30

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.67	0.33	ug/L		10/01/19 15:49	10/05/19 05:00	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	28		15 - 110				10/01/19 15:49	10/05/19 05:00	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	28		1.9	0.34	ng/L		10/07/19 05:31	10/09/19 10:29	1
Perfluoropentanoic acid (PFPeA)	85		1.9	0.47	ng/L		10/07/19 05:31	10/09/19 10:29	1
Perfluorohexanoic acid (PFHxA)	45		1.9	0.56	ng/L		10/07/19 05:31	10/09/19 10:29	1
Perfluoroheptanoic acid (PFHpA)	27		1.9	0.24	ng/L		10/07/19 05:31	10/09/19 10:29	1
Perfluorooctanoic acid (PFOA)	14		1.9	0.82	ng/L		10/07/19 05:31	10/09/19 10:29	1
Perfluorononanoic acid (PFNA)	3.1		1.9	0.26	ng/L		10/07/19 05:31	10/09/19 10:29	1
Perfluorodecanoic acid (PFDA)	1.4 J		1.9	0.30	ng/L		10/07/19 05:31	10/09/19 10:29	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9	1.1	ng/L		10/07/19 05:31	10/09/19 10:29	1
Perfluorododecanoic acid (PFDoA)	ND		1.9	0.53	ng/L		10/07/19 05:31	10/09/19 10:29	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9	1.3	ng/L		10/07/19 05:31	10/09/19 10:29	1
Perfluorotetradecanoic acid (PFTeA)	0.43 J B		1.9	0.28	ng/L		10/07/19 05:31	10/09/19 10:29	1
Perfluorobutanesulfonic acid (PFBS)	4.4		1.9	0.19	ng/L		10/07/19 05:31	10/09/19 10:29	1
Perfluorohexanesulfonic acid (PFHxS)	22 B		1.9	0.16	ng/L		10/07/19 05:31	10/09/19 10:29	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.1 J		1.9	0.18	ng/L		10/07/19 05:31	10/09/19 10:29	1
Perfluorooctanesulfonic acid (PFOS)	57		1.9	0.52	ng/L		10/07/19 05:31	10/09/19 10:29	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.31	ng/L		10/07/19 05:31	10/09/19 10:29	1
Perfluorooctanesulfonamide (FOSA)	0.36 J		1.9	0.34	ng/L		10/07/19 05:31	10/09/19 10:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		19	3.0	ng/L		10/07/19 05:31	10/09/19 10:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		19	1.8	ng/L		10/07/19 05:31	10/09/19 10:29	1
6:2 FTS	12 J		19	1.9	ng/L		10/07/19 05:31	10/09/19 10:29	1
8:2 FTS	1.9 J		19	1.9	ng/L		10/07/19 05:31	10/09/19 10:29	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	62		25 - 150				10/07/19 05:31	10/09/19 10:29	1
13C5 PFPeA	68		25 - 150				10/07/19 05:31	10/09/19 10:29	1
13C2 PFHxA	74		25 - 150				10/07/19 05:31	10/09/19 10:29	1
13C4 PFHpA	79		25 - 150				10/07/19 05:31	10/09/19 10:29	1
13C4 PFOA	82		25 - 150				10/07/19 05:31	10/09/19 10:29	1
13C5 PFNA	78		25 - 150				10/07/19 05:31	10/09/19 10:29	1
13C2 PFDA	74		25 - 150				10/07/19 05:31	10/09/19 10:29	1
13C2 PFUnA	73		25 - 150				10/07/19 05:31	10/09/19 10:29	1
13C2 PFDoA	69		25 - 150				10/07/19 05:31	10/09/19 10:29	1
13C2 PFTeDA	58		25 - 150				10/07/19 05:31	10/09/19 10:29	1
18O2 PFHxS	80		25 - 150				10/07/19 05:31	10/09/19 10:29	1
13C4 PFOS	71		25 - 150				10/07/19 05:31	10/09/19 10:29	1
13C8 FOSA	69		25 - 150				10/07/19 05:31	10/09/19 10:29	1
d3-NMeFOSAA	72		25 - 150				10/07/19 05:31	10/09/19 10:29	1
d5-NEtFOSAA	70		25 - 150				10/07/19 05:31	10/09/19 10:29	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159923-1

Client Sample ID: OW-2B

Date Collected: 09/27/19 09:05

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-7

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	129		25 - 150	10/07/19 05:31	10/09/19 10:29	1
M2-8:2 FTS	88		25 - 150	10/07/19 05:31	10/09/19 10:29	1

Client Sample ID: OW-18A

Date Collected: 09/27/19 09:20

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-8

Matrix: Water

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.0	0.50	ug/L	-	10/01/19 15:49	10/05/19 05:23	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	26		15 - 110				10/01/19 15:49	10/05/19 05:23	5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	10		1.9	0.32	ng/L		10/07/19 05:31	10/09/19 10:39	1
Perfluoropentanoic acid (PFPeA)	13		1.9	0.45	ng/L		10/07/19 05:31	10/09/19 10:39	1
Perfluorohexanoic acid (PFHxA)	33		1.9	0.54	ng/L		10/07/19 05:31	10/09/19 10:39	1
Perfluoroheptanoic acid (PFHpA)	16		1.9	0.23	ng/L		10/07/19 05:31	10/09/19 10:39	1
Perfluorooctanoic acid (PFOA)	95		1.9	0.79	ng/L		10/07/19 05:31	10/09/19 10:39	1
Perfluorononanoic acid (PFNA)	1.8 J		1.9	0.25	ng/L		10/07/19 05:31	10/09/19 10:39	1
Perfluorodecanoic acid (PFDA)	ND		1.9	0.29	ng/L		10/07/19 05:31	10/09/19 10:39	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9	1.0	ng/L		10/07/19 05:31	10/09/19 10:39	1
Perfluorododecanoic acid (PFDoA)	ND		1.9	0.51	ng/L		10/07/19 05:31	10/09/19 10:39	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9	1.2	ng/L		10/07/19 05:31	10/09/19 10:39	1
Perfluorotetradecanoic acid (PFTeA)	0.29 J B		1.9	0.27	ng/L		10/07/19 05:31	10/09/19 10:39	1
Perfluorobutanesulfonic acid (PFBS)	11		1.9	0.19	ng/L		10/07/19 05:31	10/09/19 10:39	1
Perfluorohexanesulfonic acid (PFHxS)	33 B		1.9	0.16	ng/L		10/07/19 05:31	10/09/19 10:39	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.6 J		1.9	0.18	ng/L		10/07/19 05:31	10/09/19 10:39	1
Perfluorooctanesulfonic acid (PFOS)	52		1.9	0.50	ng/L		10/07/19 05:31	10/09/19 10:39	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.30	ng/L		10/07/19 05:31	10/09/19 10:39	1
Perfluorooctanesulfonamide (FOSA)	1.4 J		1.9	0.32	ng/L		10/07/19 05:31	10/09/19 10:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		19	2.9	ng/L		10/07/19 05:31	10/09/19 10:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		19	1.8	ng/L		10/07/19 05:31	10/09/19 10:39	1
6:2 FTS	ND		19	1.9	ng/L		10/07/19 05:31	10/09/19 10:39	1
8:2 FTS	ND		19	1.9	ng/L		10/07/19 05:31	10/09/19 10:39	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	46		25 - 150				10/07/19 05:31	10/09/19 10:39	1
13C5 PFPeA	73		25 - 150				10/07/19 05:31	10/09/19 10:39	1
13C2 PFHxA	85		25 - 150				10/07/19 05:31	10/09/19 10:39	1
13C4 PFHpA	95		25 - 150				10/07/19 05:31	10/09/19 10:39	1
13C4 PFOA	102		25 - 150				10/07/19 05:31	10/09/19 10:39	1
13C5 PFNA	84		25 - 150				10/07/19 05:31	10/09/19 10:39	1
13C2 PFDA	106		25 - 150				10/07/19 05:31	10/09/19 10:39	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-159923-1

Client Sample ID: OW-18A

Date Collected: 09/27/19 09:20

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-8

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFUnA	100		25 - 150	10/07/19 05:31	10/09/19 10:39	1
13C2 PFDoA	99		25 - 150	10/07/19 05:31	10/09/19 10:39	1
13C2 PFTeDA	84		25 - 150	10/07/19 05:31	10/09/19 10:39	1
18O2 PFHxS	108		25 - 150	10/07/19 05:31	10/09/19 10:39	1
13C4 PFOS	103		25 - 150	10/07/19 05:31	10/09/19 10:39	1
13C8 FOSA	96		25 - 150	10/07/19 05:31	10/09/19 10:39	1
d3-NMeFOSAA	93		25 - 150	10/07/19 05:31	10/09/19 10:39	1
d5-NEtFOSAA	110		25 - 150	10/07/19 05:31	10/09/19 10:39	1
M2-6:2 FTS	234	*	25 - 150	10/07/19 05:31	10/09/19 10:39	1
M2-8:2 FTS	217	*	25 - 150	10/07/19 05:31	10/09/19 10:39	1

Client Sample ID: OW-1B

Date Collected: 09/27/19 14:05

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-9

Matrix: Water

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		2.0	1.0	ug/L		10/01/19 15:49	10/06/19 18:24	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	26		15 - 110				10/01/19 15:49	10/06/19 18:24	10

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	16		1.9	0.33	ng/L		10/07/19 05:31	10/09/19 10:48	1
Perfluoropentanoic acid (PFPeA)	37		1.9	0.46	ng/L		10/07/19 05:31	10/09/19 10:48	1
Perfluorohexanoic acid (PFHxA)	41		1.9	0.54	ng/L		10/07/19 05:31	10/09/19 10:48	1
Perfluoroheptanoic acid (PFHpA)	14		1.9	0.23	ng/L		10/07/19 05:31	10/09/19 10:48	1
Perfluorooctanoic acid (PFOA)	27		1.9	0.80	ng/L		10/07/19 05:31	10/09/19 10:48	1
Perfluorononanoic acid (PFNA)	1.5	J	1.9	0.25	ng/L		10/07/19 05:31	10/09/19 10:48	1
Perfluorodecanoic acid (PFDA)	0.38	J	1.9	0.29	ng/L		10/07/19 05:31	10/09/19 10:48	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9	1.0	ng/L		10/07/19 05:31	10/09/19 10:48	1
Perfluorododecanoic acid (PFDoA)	ND		1.9	0.52	ng/L		10/07/19 05:31	10/09/19 10:48	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9	1.2	ng/L		10/07/19 05:31	10/09/19 10:48	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9	0.27	ng/L		10/07/19 05:31	10/09/19 10:48	1
Perfluorobutanesulfonic acid (PFBS)	9.1		1.9	0.19	ng/L		10/07/19 05:31	10/09/19 10:48	1
Perfluorohexanesulfonic acid (PFHxS)	76	B	1.9	0.16	ng/L		10/07/19 05:31	10/09/19 10:48	1
Perfluoroheptanesulfonic Acid (PFHpS)	3.5		1.9	0.18	ng/L		10/07/19 05:31	10/09/19 10:48	1
Perfluorooctanesulfonic acid (PFOS)	120		1.9	0.51	ng/L		10/07/19 05:31	10/09/19 10:48	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.30	ng/L		10/07/19 05:31	10/09/19 10:48	1
Perfluorooctanesulfonamide (FOSA)	1.2	J	1.9	0.33	ng/L		10/07/19 05:31	10/09/19 10:48	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		19	2.9	ng/L		10/07/19 05:31	10/09/19 10:48	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		19	1.8	ng/L		10/07/19 05:31	10/09/19 10:48	1
6:2 FTS	7.4	J	19	1.9	ng/L		10/07/19 05:31	10/09/19 10:48	1
8:2 FTS	ND		19	1.9	ng/L		10/07/19 05:31	10/09/19 10:48	1

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Client Sample Results

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

Job ID: 480-159923-1

Client Sample ID: OW-1B

Date Collected: 09/27/19 14:05

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-9

Matrix: Water

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	62		25 - 150	10/07/19 05:31	10/09/19 10:48	1
13C5 PFPeA	85		25 - 150	10/07/19 05:31	10/09/19 10:48	1
13C2 PFHxA	97		25 - 150	10/07/19 05:31	10/09/19 10:48	1
13C4 PFHpA	101		25 - 150	10/07/19 05:31	10/09/19 10:48	1
13C4 PFOA	106		25 - 150	10/07/19 05:31	10/09/19 10:48	1
13C5 PFNA	107		25 - 150	10/07/19 05:31	10/09/19 10:48	1
13C2 PFDA	110		25 - 150	10/07/19 05:31	10/09/19 10:48	1
13C2 PFUnA	102		25 - 150	10/07/19 05:31	10/09/19 10:48	1
13C2 PFDaA	101		25 - 150	10/07/19 05:31	10/09/19 10:48	1
13C2 PFTeDA	93		25 - 150	10/07/19 05:31	10/09/19 10:48	1
18O2 PFHxS	110		25 - 150	10/07/19 05:31	10/09/19 10:48	1
13C4 PFOS	103		25 - 150	10/07/19 05:31	10/09/19 10:48	1
13C8 FOSA	104		25 - 150	10/07/19 05:31	10/09/19 10:48	1
d3-NMeFOSAA	89		25 - 150	10/07/19 05:31	10/09/19 10:48	1
d5-NEtFOSAA	105		25 - 150	10/07/19 05:31	10/09/19 10:48	1
M2-6:2 FTS	174	*	25 - 150	10/07/19 05:31	10/09/19 10:48	1
M2-8:2 FTS	134		25 - 150	10/07/19 05:31	10/09/19 10:48	1

Client Sample ID: OW-127B

Date Collected: 09/27/19 16:45

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-10

Matrix: Water

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.26		0.20	0.10	ug/L		10/01/19 15:49	10/05/19 06:10	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	28		15 - 110				10/01/19 15:49	10/05/19 06:10	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	9.6		1.9	0.32	ng/L		10/07/19 05:31	10/09/19 10:58	1
Perfluoropentanoic acid (PFPeA)	16		1.9	0.45	ng/L		10/07/19 05:31	10/09/19 10:58	1
Perfluorohexanoic acid (PFHxA)	23		1.9	0.54	ng/L		10/07/19 05:31	10/09/19 10:58	1
Perfluoroheptanoic acid (PFHpA)	8.5		1.9	0.23	ng/L		10/07/19 05:31	10/09/19 10:58	1
Perfluorooctanoic acid (PFOA)	50		1.9	0.79	ng/L		10/07/19 05:31	10/09/19 10:58	1
Perfluorononanoic acid (PFNA)	3.0		1.9	0.25	ng/L		10/07/19 05:31	10/09/19 10:58	1
Perfluorodecanoic acid (PFDA)	5.9		1.9	0.29	ng/L		10/07/19 05:31	10/09/19 10:58	1
Perfluoroundecanoic acid (PFUnA)	1.6	J	1.9	1.0	ng/L		10/07/19 05:31	10/09/19 10:58	1
Perfluorododecanoic acid (PFDaA)	ND		1.9	0.51	ng/L		10/07/19 05:31	10/09/19 10:58	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9	1.2	ng/L		10/07/19 05:31	10/09/19 10:58	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9	0.27	ng/L		10/07/19 05:31	10/09/19 10:58	1
Perfluorobutanesulfonic acid (PFBS)	6.7		1.9	0.19	ng/L		10/07/19 05:31	10/09/19 10:58	1
Perfluorohexanesulfonic acid (PFHxS)	54	B	1.9	0.16	ng/L		10/07/19 05:31	10/09/19 10:58	1
Perfluoroheptanesulfonic acid (PFHpS)	3.5		1.9	0.18	ng/L		10/07/19 05:31	10/09/19 10:58	1
Perfluorooctanesulfonic acid (PFOS)	200		1.9	0.50	ng/L		10/07/19 05:31	10/09/19 10:58	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.30	ng/L		10/07/19 05:31	10/09/19 10:58	1

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Client Sample Results

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

Job ID: 480-159923-1

Client Sample ID: OW-127B

Lab Sample ID: 480-159923-10

Date Collected: 09/27/19 16:45

Matrix: Water

Date Received: 09/27/19 17:30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (FOSA)	1.2	J	1.9	0.32	ng/L		10/07/19 05:31	10/09/19 10:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		19	2.9	ng/L		10/07/19 05:31	10/09/19 10:58	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		19	1.8	ng/L		10/07/19 05:31	10/09/19 10:58	1
6:2 FTS	3.3	J	19	1.9	ng/L		10/07/19 05:31	10/09/19 10:58	1
8:2 FTS	ND		19	1.9	ng/L		10/07/19 05:31	10/09/19 10:58	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	72		25 - 150				10/07/19 05:31	10/09/19 10:58	1
13C5 PFPeA	92		25 - 150				10/07/19 05:31	10/09/19 10:58	1
13C2 PFHxA	98		25 - 150				10/07/19 05:31	10/09/19 10:58	1
13C4 PFHpA	103		25 - 150				10/07/19 05:31	10/09/19 10:58	1
13C4 PFOA	112		25 - 150				10/07/19 05:31	10/09/19 10:58	1
13C5 PFNA	107		25 - 150				10/07/19 05:31	10/09/19 10:58	1
13C2 PFDA	107		25 - 150				10/07/19 05:31	10/09/19 10:58	1
13C2 PFUnA	104		25 - 150				10/07/19 05:31	10/09/19 10:58	1
13C2 PFDoA	100		25 - 150				10/07/19 05:31	10/09/19 10:58	1
13C2 PFTeDA	95		25 - 150				10/07/19 05:31	10/09/19 10:58	1
18O2 PFHxS	105		25 - 150				10/07/19 05:31	10/09/19 10:58	1
13C4 PFOS	104		25 - 150				10/07/19 05:31	10/09/19 10:58	1
13C8 FOSA	104		25 - 150				10/07/19 05:31	10/09/19 10:58	1
d3-NMeFOSAA	98		25 - 150				10/07/19 05:31	10/09/19 10:58	1
d5-NEtFOSAA	104		25 - 150				10/07/19 05:31	10/09/19 10:58	1
M2-6:2 FTS	164	*	25 - 150				10/07/19 05:31	10/09/19 10:58	1
M2-8:2 FTS	131		25 - 150				10/07/19 05:31	10/09/19 10:58	1

Isotope Dilution Summary

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

Job ID: 480-159923-1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	DXE (15-110)
480-159923-1	MW-2B	38
480-159923-2	MW-6A	26
480-159923-3	MW-6B	26
480-159923-4	OW-27A	31
480-159923-5	OW-27B	30
480-159923-6	OW-15A	31
480-159923-6 MS	OW-15A	30
480-159923-6 MSD	OW-15A	28
480-159923-7	OW-2B	28
480-159923-8	OW-18A	26
480-159923-9	OW-1B	26
480-159923-10	OW-127B	28
LCS 480-495272/2-A	Lab Control Sample	32
MB 480-495272/1-A	Method Blank	29
Surrogate Legend		
DXE = 1,4-Dioxane-d8		

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	PFHpA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
480-159923-1	MW-2B	80	92	95	99	102	98	89	78
480-159923-2	MW-6A	30	56	78	97	110	115	121	115
480-159923-3	MW-6B	74	93	101	106	111	112	111	105
480-159923-4	OW-27A	49	78	90	99	110	109	114	115
480-159923-4 - DL	OW-27A								
480-159923-5	OW-27B	73	93	102	107	111	112	114	105
480-159923-6	OW-15A	77	101	107	110	114	109	111	105
480-159923-6 MS	OW-15A	76	96	102	108	108	108	104	93
480-159923-6 MSD	OW-15A	76	97	105	109	112	110	108	102
480-159923-7	OW-2B	62	68	74	79	82	78	74	73
480-159923-8	OW-18A	46	73	85	95	102	84	106	100
480-159923-9	OW-1B	62	85	97	101	106	107	110	102
480-159923-10	OW-127B	72	92	98	103	112	107	107	104
LCS 320-328852/2-A	Lab Control Sample	105	110	109	114	116	114	112	113
MB 320-328852/1-A	Method Blank	107	108	108	111	115	111	109	106
Percent Isotope Dilution Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (25-150)	-NMeFOS/ (25-150)	-NEtFOS/ (25-150)	M262FTS (25-150)
480-159923-1	MW-2B	70	70	105	91	88	84	80	143
480-159923-2	MW-6A	122	116	115	112	107	115	128	284 *
480-159923-3	MW-6B	103	89	111	104	110	103	110	186 *
480-159923-4	OW-27A	110	99	109	102	113	113	130	231 *
480-159923-4 - DL	OW-27A				93				
480-159923-5	OW-27B	101	106	107	106	110	104	109	168 *
480-159923-6	OW-15A	97	100	116	114	107	105	105	137
480-159923-6 MS	OW-15A	101	91	117	108	103	108	98	126

Eurofins TestAmerica, Buffalo

Isotope Dilution Summary

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

Job ID: 480-159923-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFD _o A (25-150)	PFTDA (25-150)	PFH _x S (25-150)	PFOS (25-150)	PFOSA (25-150)	-NMeFOS _A (25-150)	-NEtFOS _A (25-150)	M262FTS (25-150)
480-159923-6 MSD	OW-15A	98	102	116	111	105	103	104	128
480-159923-7	OW-2B	69	58	80	71	69	72	70	129
480-159923-8	OW-18A	99	84	108	103	96	93	110	234 *
480-159923-9	OW-1B	101	93	110	103	104	89	105	174 *
480-159923-10	OW-127B	100	95	105	104	104	98	104	164 *
LCS 320-328852/2-A	Lab Control Sample	113	110	115	111	107	114	113	115
MB 320-328852/1-A	Method Blank	107	111	114	111	105	111	107	115

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M282FTS (25-150)							
480-159923-1	MW-2B	99							
480-159923-2	MW-6A	237 *							
480-159923-3	MW-6B	152 *							
480-159923-4	OW-27A	202 *							
480-159923-4 - DL	OW-27A								
480-159923-5	OW-27B	142							
480-159923-6	OW-15A	109							
480-159923-6 MS	OW-15A	102							
480-159923-6 MSD	OW-15A	107							
480-159923-7	OW-2B	88							
480-159923-8	OW-18A	217 *							
480-159923-9	OW-1B	134							
480-159923-10	OW-127B	131							
LCS 320-328852/2-A	Lab Control Sample	113							
MB 320-328852/1-A	Method Blank	112							

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
PFHpA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFD_oA = 13C2 PFD_oA
PFTDA = 13C2 PFTeDA
PFH_xS = 18O2 PFH_xS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3-NMeFOSAA = d3-NMeFOSAA
d5-NEtFOSAA = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS

QC Sample Results

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

Job ID: 480-159923-1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-495272/1-A

Matrix: Water

Analysis Batch: 496015

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 495272

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		10/01/19 15:49	10/05/19 01:06	1
Isotope Dilution	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	29		15 - 110				10/01/19 15:49	10/05/19 01:06	1

Lab Sample ID: LCS 480-495272/2-A

Matrix: Water

Analysis Batch: 496015

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 495272

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1.00	1.20	E	ug/L		120	40 - 140
Isotope Dilution	%Recovery	LCS Qualifier	Limits				
1,4-Dioxane-d8	32		15 - 110				

Lab Sample ID: 480-159923-6 MS

Matrix: Water

Analysis Batch: 496015

Client Sample ID: OW-15A

Prep Type: Total/NA

Prep Batch: 495272

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	ND		1.00	1.24	E	ug/L		124	40 - 140
Isotope Dilution	%Recovery	MS Qualifier	Limits						
1,4-Dioxane-d8	30		15 - 110						

Lab Sample ID: 480-159923-6 MSD

Matrix: Water

Analysis Batch: 496015

Client Sample ID: OW-15A

Prep Type: Total/NA

Prep Batch: 495272

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,4-Dioxane	ND		1.00	1.23	E	ug/L		123	40 - 140	1	20
Isotope Dilution	%Recovery	MSD Qualifier	Limits								
1,4-Dioxane-d8	28		15 - 110								

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-328852/1-A

Matrix: Water

Analysis Batch: 329426

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 328852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		2.0	0.35	ng/L		10/07/19 05:31	10/09/19 08:34	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49	ng/L		10/07/19 05:31	10/09/19 08:34	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58	ng/L		10/07/19 05:31	10/09/19 08:34	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.25	ng/L		10/07/19 05:31	10/09/19 08:34	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.85	ng/L		10/07/19 05:31	10/09/19 08:34	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.27	ng/L		10/07/19 05:31	10/09/19 08:34	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		10/07/19 05:31	10/09/19 08:34	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1	ng/L		10/07/19 05:31	10/09/19 08:34	1

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QC Sample Results

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

Job ID: 480-159923-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-328852/1-A

Matrix: Water

Analysis Batch: 329426

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 328852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		10/07/19 05:31	10/09/19 08:34	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3	ng/L		10/07/19 05:31	10/09/19 08:34	1
Perfluorotetradecanoic acid (PFTeA)	0.418	J	2.0	0.29	ng/L		10/07/19 05:31	10/09/19 08:34	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20	ng/L		10/07/19 05:31	10/09/19 08:34	1
Perfluorohexanesulfonic acid (PFHxS)	0.302	J	2.0	0.17	ng/L		10/07/19 05:31	10/09/19 08:34	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19	ng/L		10/07/19 05:31	10/09/19 08:34	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.54	ng/L		10/07/19 05:31	10/09/19 08:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32	ng/L		10/07/19 05:31	10/09/19 08:34	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.35	ng/L		10/07/19 05:31	10/09/19 08:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1	ng/L		10/07/19 05:31	10/09/19 08:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9	ng/L		10/07/19 05:31	10/09/19 08:34	1
6:2 FTS	ND		20	2.0	ng/L		10/07/19 05:31	10/09/19 08:34	1
8:2 FTS	ND		20	2.0	ng/L		10/07/19 05:31	10/09/19 08:34	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	107		25 - 150	10/07/19 05:31	10/09/19 08:34	1
13C5 PFPeA	108		25 - 150	10/07/19 05:31	10/09/19 08:34	1
13C2 PFHxA	108		25 - 150	10/07/19 05:31	10/09/19 08:34	1
13C4 PFHpA	111		25 - 150	10/07/19 05:31	10/09/19 08:34	1
13C4 PFOA	115		25 - 150	10/07/19 05:31	10/09/19 08:34	1
13C5 PFNA	111		25 - 150	10/07/19 05:31	10/09/19 08:34	1
13C2 PFDA	109		25 - 150	10/07/19 05:31	10/09/19 08:34	1
13C2 PFUnA	106		25 - 150	10/07/19 05:31	10/09/19 08:34	1
13C2 PFDoA	107		25 - 150	10/07/19 05:31	10/09/19 08:34	1
13C2 PFTeDA	111		25 - 150	10/07/19 05:31	10/09/19 08:34	1
18O2 PFHxS	114		25 - 150	10/07/19 05:31	10/09/19 08:34	1
13C4 PFOS	111		25 - 150	10/07/19 05:31	10/09/19 08:34	1
13C8 FOSA	105		25 - 150	10/07/19 05:31	10/09/19 08:34	1
d3-NMeFOSAA	111		25 - 150	10/07/19 05:31	10/09/19 08:34	1
d5-NEtFOSAA	107		25 - 150	10/07/19 05:31	10/09/19 08:34	1
M2-6:2 FTS	115		25 - 150	10/07/19 05:31	10/09/19 08:34	1
M2-8:2 FTS	112		25 - 150	10/07/19 05:31	10/09/19 08:34	1

Lab Sample ID: LCS 320-328852/2-A

Matrix: Water

Analysis Batch: 329426

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 328852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Perfluorobutanoic acid (PFBA)	40.0	41.3		ng/L		103	70 - 130
Perfluoropentanoic acid (PFPeA)	40.0	38.8		ng/L		97	66 - 126
Perfluorohexanoic acid (PFHxA)	40.0	40.5		ng/L		101	66 - 126
Perfluoroheptanoic acid (PFHpA)	40.0	40.3		ng/L		101	66 - 126
Perfluorooctanoic acid (PFOA)	40.0	38.4		ng/L		96	64 - 124
Perfluorononanoic acid (PFNA)	40.0	42.0		ng/L		105	68 - 128
Perfluorodecanoic acid (PFDA)	40.0	41.0		ng/L		103	69 - 129
Perfluoroundecanoic acid (PFUnA)	40.0	38.3		ng/L		96	60 - 120

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QC Sample Results

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

Job ID: 480-159923-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-328852/2-A

Matrix: Water

Analysis Batch: 329426

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 328852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorododecanoic acid (PFDoA)	40.0	38.9		ng/L		97	71 - 131
Perfluorotridecanoic acid (PFTriA)	40.0	43.5		ng/L		109	72 - 132
Perfluorotetradecanoic acid (PFTeA)	40.0	39.6		ng/L		99	68 - 128
Perfluorobutanesulfonic acid (PFBS)	35.4	33.1		ng/L		93	73 - 133
Perfluorohexanesulfonic acid (PFHxS)	36.4	32.4		ng/L		89	63 - 123
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	38.4		ng/L		101	68 - 128
Perfluorooctanesulfonic acid (PFOS)	37.1	35.7		ng/L		96	67 - 127
Perfluorodecanesulfonic acid (PFDS)	38.6	37.7		ng/L		98	68 - 128
Perfluorooctanesulfonamide (FOSA)	40.0	40.4		ng/L		101	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	41.2		ng/L		103	67 - 127
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	39.8		ng/L		100	65 - 125
6:2 FTS	37.9	40.0		ng/L		105	66 - 126
8:2 FTS	38.3	37.5		ng/L		98	67 - 127

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	105		25 - 150
13C5 PFPeA	110		25 - 150
13C2 PFHxA	109		25 - 150
13C4 PFHpA	114		25 - 150
13C4 PFOA	116		25 - 150
13C5 PFNA	114		25 - 150
13C2 PFDA	112		25 - 150
13C2 PFUnA	113		25 - 150
13C2 PFDoA	113		25 - 150
13C2 PFTeDA	110		25 - 150
18O2 PFHxS	115		25 - 150
13C4 PFOS	111		25 - 150
13C8 FOSA	107		25 - 150
d3-NMeFOSAA	114		25 - 150
d5-NEtFOSAA	113		25 - 150
M2-6:2 FTS	115		25 - 150
M2-8:2 FTS	113		25 - 150

Lab Sample ID: 480-159923-6 MS

Matrix: Water

Analysis Batch: 329426

Client Sample ID: OW-15A

Prep Type: Total/NA

Prep Batch: 328852

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	5.6		37.2	42.7		ng/L		100	70 - 130
Perfluoropentanoic acid (PFPeA)	5.4		37.2	42.1		ng/L		99	66 - 126
Perfluorohexanoic acid (PFHxA)	12		37.2	48.8		ng/L		100	66 - 126

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QC Sample Results

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

Job ID: 480-159923-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-159923-6 MS

Matrix: Water

Analysis Batch: 329426

Client Sample ID: OW-15A

Prep Type: Total/NA

Prep Batch: 328852

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluoroheptanoic acid (PFHpA)	6.7		37.2	45.5		ng/L		104	66 - 126
Perfluorooctanoic acid (PFOA)	22		37.2	56.9		ng/L		95	64 - 124
Perfluorononanoic acid (PFNA)	0.98	J	37.2	39.1		ng/L		103	68 - 128
Perfluorodecanoic acid (PFDA)	2.0		37.2	40.2		ng/L		103	69 - 129
Perfluoroundecanoic acid (PFUnA)	ND		37.2	38.8		ng/L		104	60 - 120
Perfluorododecanoic acid (PFDoA)	ND		37.2	36.6		ng/L		98	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		37.2	41.2		ng/L		111	72 - 132
Perfluorotetradecanoic acid (PFTeA)	ND		37.2	36.5		ng/L		98	68 - 128
Perfluorobutanesulfonic acid (PFBS)	5.4		32.9	34.4		ng/L		88	73 - 133
Perfluorohexanesulfonic acid (PFHxS)	4.4	B	33.8	35.3		ng/L		91	63 - 123
Perfluoroheptanesulfonic Acid (PFHpS)	ND		35.4	35.8		ng/L		101	68 - 128
Perfluorooctanesulfonic acid (PFOS)	2.7		34.5	38.0		ng/L		102	67 - 127
Perfluorodecanesulfonic acid (PFDS)	ND		35.8	35.3		ng/L		98	68 - 128
Perfluorooctanesulfonamide (FOSA)	ND		37.2	38.5		ng/L		104	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		37.2	37.8		ng/L		102	67 - 127
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		37.2	39.1		ng/L		105	65 - 125
6:2 FTS	ND		35.2	38.9		ng/L		110	66 - 126
8:2 FTS	ND		35.6	36.3		ng/L		102	67 - 127
Isotope Dilution	MS %Recovery	MS Qualifier	Limits						
13C4 PFBA	76		25 - 150						
13C5 PFPeA	96		25 - 150						
13C2 PFHxA	102		25 - 150						
13C4 PFHpA	108		25 - 150						
13C4 PFOA	108		25 - 150						
13C5 PFNA	108		25 - 150						
13C2 PFDA	104		25 - 150						
13C2 PFUnA	93		25 - 150						
13C2 PFDoA	101		25 - 150						
13C2 PFTeDA	91		25 - 150						
18O2 PFHxS	117		25 - 150						
13C4 PFOS	108		25 - 150						
13C8 FOSA	103		25 - 150						
d3-NMeFOSAA	108		25 - 150						
d5-NEtFOSAA	98		25 - 150						
M2-6:2 FTS	126		25 - 150						
M2-8:2 FTS	102		25 - 150						

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QC Sample Results

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

Job ID: 480-159923-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-159923-6 MSD

Matrix: Water

Analysis Batch: 329426

Client Sample ID: OW-15A

Prep Type: Total/NA

Prep Batch: 328852

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	5.6		37.3	42.3		ng/L		98	70 - 130	1	30
Perfluoropentanoic acid (PFPeA)	5.4		37.3	42.3		ng/L		99	66 - 126	1	30
Perfluorohexanoic acid (PFHxA)	12		37.3	48.5		ng/L		99	66 - 126	1	30
Perfluoroheptanoic acid (PFHpA)	6.7		37.3	45.7		ng/L		104	66 - 126	0	30
Perfluorooctanoic acid (PFOA)	22		37.3	56.5		ng/L		93	64 - 124	1	30
Perfluorononanoic acid (PFNA)	0.98	J	37.3	40.1		ng/L		105	68 - 128	3	30
Perfluorodecanoic acid (PFDA)	2.0		37.3	40.6		ng/L		103	69 - 129	1	30
Perfluoroundecanoic acid (PFUnA)	ND		37.3	36.5		ng/L		98	60 - 120	6	30
Perfluorododecanoic acid (PFDoA)	ND		37.3	39.2		ng/L		105	71 - 131	7	30
Perfluorotridecanoic acid (PFTriA)	ND		37.3	42.6		ng/L		114	72 - 132	3	30
Perfluorotetradecanoic acid (PFTeA)	ND		37.3	36.7		ng/L		98	68 - 128	1	30
Perfluorobutanesulfonic acid (PFBS)	5.4		33.0	35.3		ng/L		91	73 - 133	3	30
Perfluorohexanesulfonic acid (PFHxS)	4.4	B	34.0	34.5		ng/L		89	63 - 123	2	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		35.5	36.4		ng/L		102	68 - 128	2	30
Perfluorooctanesulfonic acid (PFOS)	2.7		34.7	37.6		ng/L		101	67 - 127	1	30
Perfluorodecanesulfonic acid (PFDS)	ND		36.0	35.0		ng/L		97	68 - 128	1	30
Perfluorooctanesulfonamide (FOSA)	ND		37.3	37.9		ng/L		102	70 - 130	2	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		37.3	38.5		ng/L		103	67 - 127	2	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		37.3	37.9		ng/L		101	65 - 125	3	30
6:2 FTS	ND		35.4	39.4		ng/L		111	66 - 126	1	30
8:2 FTS	ND		35.8	36.6		ng/L		102	67 - 127	1	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	MSD Limits
13C4 PFBA	76		25 - 150
13C5 PFPeA	97		25 - 150
13C2 PFHxA	105		25 - 150
13C4 PFHpA	109		25 - 150
13C4 PFOA	112		25 - 150
13C5 PFNA	110		25 - 150
13C2 PFDA	108		25 - 150
13C2 PFUnA	102		25 - 150
13C2 PFDoA	98		25 - 150
13C2 PFTeDA	102		25 - 150
18O2 PFHxS	116		25 - 150
13C4 PFOS	111		25 - 150
13C8 FOSA	105		25 - 150
d3-NMeFOSAA	103		25 - 150
d5-NEtFOSAA	104		25 - 150
M2-6:2 FTS	128		25 - 150

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QC Sample Results

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

Job ID: 480-159923-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-159923-6 MSD

Matrix: Water

Analysis Batch: 329426

Client Sample ID: OW-15A

Prep Type: Total/NA

Prep Batch: 328852

<i>Isotope Dilution</i>	<i>MSD MSD</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
M2-8:2 FTS	107		25 - 150

QC Association Summary

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

Job ID: 480-159923-1

GC/MS Semi VOA

Prep Batch: 495272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159923-1	MW-2B	Total/NA	Water	3510C	
480-159923-2	MW-6A	Total/NA	Water	3510C	
480-159923-3	MW-6B	Total/NA	Water	3510C	
480-159923-4	OW-27A	Total/NA	Water	3510C	
480-159923-5	OW-27B	Total/NA	Water	3510C	
480-159923-6	OW-15A	Total/NA	Water	3510C	
480-159923-7	OW-2B	Total/NA	Water	3510C	
480-159923-8	OW-18A	Total/NA	Water	3510C	
480-159923-9	OW-1B	Total/NA	Water	3510C	
480-159923-10	OW-127B	Total/NA	Water	3510C	
MB 480-495272/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-495272/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-159923-6 MS	OW-15A	Total/NA	Water	3510C	
480-159923-6 MSD	OW-15A	Total/NA	Water	3510C	

Analysis Batch: 496015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159923-1	MW-2B	Total/NA	Water	8270D SIM ID	495272
480-159923-2	MW-6A	Total/NA	Water	8270D SIM ID	495272
480-159923-4	OW-27A	Total/NA	Water	8270D SIM ID	495272
480-159923-5	OW-27B	Total/NA	Water	8270D SIM ID	495272
480-159923-6	OW-15A	Total/NA	Water	8270D SIM ID	495272
480-159923-7	OW-2B	Total/NA	Water	8270D SIM ID	495272
480-159923-8	OW-18A	Total/NA	Water	8270D SIM ID	495272
480-159923-10	OW-127B	Total/NA	Water	8270D SIM ID	495272
MB 480-495272/1-A	Method Blank	Total/NA	Water	8270D SIM ID	495272
LCS 480-495272/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	495272
480-159923-6 MS	OW-15A	Total/NA	Water	8270D SIM ID	495272
480-159923-6 MSD	OW-15A	Total/NA	Water	8270D SIM ID	495272

Analysis Batch: 496250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159923-3	MW-6B	Total/NA	Water	8270D SIM ID	495272
480-159923-9	OW-1B	Total/NA	Water	8270D SIM ID	495272

LCMS

Prep Batch: 328852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159923-1	MW-2B	Total/NA	Water	3535	
480-159923-2	MW-6A	Total/NA	Water	3535	
480-159923-3	MW-6B	Total/NA	Water	3535	
480-159923-4	OW-27A	Total/NA	Water	3535	
480-159923-4 - DL	OW-27A	Total/NA	Water	3535	
480-159923-5	OW-27B	Total/NA	Water	3535	
480-159923-6	OW-15A	Total/NA	Water	3535	
480-159923-7	OW-2B	Total/NA	Water	3535	
480-159923-8	OW-18A	Total/NA	Water	3535	
480-159923-9	OW-1B	Total/NA	Water	3535	
480-159923-10	OW-127B	Total/NA	Water	3535	
MB 320-328852/1-A	Method Blank	Total/NA	Water	3535	

Eurofins TestAmerica, Buffalo

QC Association Summary

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

Job ID: 480-159923-1

LCMS (Continued)

Prep Batch: 328852 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-328852/2-A	Lab Control Sample	Total/NA	Water	3535	
480-159923-6 MS	OW-15A	Total/NA	Water	3535	
480-159923-6 MSD	OW-15A	Total/NA	Water	3535	

Analysis Batch: 329426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159923-1	MW-2B	Total/NA	Water	537 (modified)	328852
480-159923-2	MW-6A	Total/NA	Water	537 (modified)	328852
480-159923-3	MW-6B	Total/NA	Water	537 (modified)	328852
480-159923-4	OW-27A	Total/NA	Water	537 (modified)	328852
480-159923-5	OW-27B	Total/NA	Water	537 (modified)	328852
480-159923-6	OW-15A	Total/NA	Water	537 (modified)	328852
480-159923-7	OW-2B	Total/NA	Water	537 (modified)	328852
480-159923-8	OW-18A	Total/NA	Water	537 (modified)	328852
480-159923-9	OW-1B	Total/NA	Water	537 (modified)	328852
480-159923-10	OW-127B	Total/NA	Water	537 (modified)	328852
MB 320-328852/1-A	Method Blank	Total/NA	Water	537 (modified)	328852
LCS 320-328852/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	328852
480-159923-6 MS	OW-15A	Total/NA	Water	537 (modified)	328852
480-159923-6 MSD	OW-15A	Total/NA	Water	537 (modified)	328852

Analysis Batch: 332591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-159923-4 - DL	OW-27A	Total/NA	Water	537 (modified)	328852

Lab Chronicle

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

Job ID: 480-159923-1

Client Sample ID: MW-2B

Date Collected: 09/27/19 09:45

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			495272	10/01/19 15:49	AAP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	496015	10/05/19 03:03	RJS	TAL BUF
Total/NA	Prep	3535			328852	10/07/19 05:31	AF	TAL SAC
Total/NA	Analysis	537 (modified)		1	329426	10/09/19 08:53	JRM	TAL SAC

Client Sample ID: MW-6A

Date Collected: 09/27/19 08:25

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			495272	10/01/19 15:49	AAP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	496015	10/05/19 03:26	RJS	TAL BUF
Total/NA	Prep	3535			328852	10/07/19 05:31	AF	TAL SAC
Total/NA	Analysis	537 (modified)		1	329426	10/09/19 09:03	JRM	TAL SAC

Client Sample ID: MW-6B

Date Collected: 09/27/19 08:10

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			495272	10/01/19 15:49	AAP	TAL BUF
Total/NA	Analysis	8270D SIM ID		10	496250	10/06/19 18:01	RJS	TAL BUF
Total/NA	Prep	3535			328852	10/07/19 05:31	AF	TAL SAC
Total/NA	Analysis	537 (modified)		1	329426	10/09/19 09:12	JRM	TAL SAC

Client Sample ID: OW-27A

Date Collected: 09/27/19 16:30

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			495272	10/01/19 15:49	AAP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	496015	10/05/19 04:13	RJS	TAL BUF
Total/NA	Prep	3535			328852	10/07/19 05:31	AF	TAL SAC
Total/NA	Analysis	537 (modified)		1	329426	10/09/19 09:22	JRM	TAL SAC
Total/NA	Prep	3535	DL		328852	10/07/19 05:31	AF	TAL SAC
Total/NA	Analysis	537 (modified)	DL	5	332591	10/21/19 16:37	S1M	TAL SAC

Client Sample ID: OW-27B

Date Collected: 09/27/19 15:45

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			495272	10/01/19 15:49	AAP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	496015	10/05/19 04:36	RJS	TAL BUF
Total/NA	Prep	3535			328852	10/07/19 05:31	AF	TAL SAC
Total/NA	Analysis	537 (modified)		1	329426	10/09/19 09:31	JRM	TAL SAC

Eurofins TestAmerica, Buffalo

Lab Chronicle

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

Job ID: 480-159923-1

Client Sample ID: OW-15A

Date Collected: 09/27/19 11:05

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			495272	10/01/19 15:49	AAP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	496015	10/05/19 02:39	RJS	TAL BUF
Total/NA	Prep	3535			328852	10/07/19 05:31	AF	TAL SAC
Total/NA	Analysis	537 (modified)		1	329426	10/09/19 09:41	JRM	TAL SAC

Client Sample ID: OW-2B

Date Collected: 09/27/19 09:05

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			495272	10/01/19 15:49	AAP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	496015	10/05/19 05:00	RJS	TAL BUF
Total/NA	Prep	3535			328852	10/07/19 05:31	AF	TAL SAC
Total/NA	Analysis	537 (modified)		1	329426	10/09/19 10:29	JRM	TAL SAC

Client Sample ID: OW-18A

Date Collected: 09/27/19 09:20

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			495272	10/01/19 15:49	AAP	TAL BUF
Total/NA	Analysis	8270D SIM ID		5	496015	10/05/19 05:23	RJS	TAL BUF
Total/NA	Prep	3535			328852	10/07/19 05:31	AF	TAL SAC
Total/NA	Analysis	537 (modified)		1	329426	10/09/19 10:39	JRM	TAL SAC

Client Sample ID: OW-1B

Date Collected: 09/27/19 14:05

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			495272	10/01/19 15:49	AAP	TAL BUF
Total/NA	Analysis	8270D SIM ID		10	496250	10/06/19 18:24	RJS	TAL BUF
Total/NA	Prep	3535			328852	10/07/19 05:31	AF	TAL SAC
Total/NA	Analysis	537 (modified)		1	329426	10/09/19 10:48	JRM	TAL SAC

Client Sample ID: OW-127B

Date Collected: 09/27/19 16:45

Date Received: 09/27/19 17:30

Lab Sample ID: 480-159923-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			495272	10/01/19 15:49	AAP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	496015	10/05/19 06:10	RJS	TAL BUF
Total/NA	Prep	3535			328852	10/07/19 05:31	AF	TAL SAC
Total/NA	Analysis	537 (modified)		1	329426	10/09/19 10:58	JRM	TAL SAC

Eurofins TestAmerica, Buffalo

Lab Chronicle

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

Job ID: 480-159923-1

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

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Accreditation/Certification Summary

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

Job ID: 480-159923-1

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State Program	17-020	01-20-21
ANAB	Dept. of Defense ELAP	L2468	01-20-21
ANAB	Dept. of Energy	L2468.01	01-20-21
ANAB	ISO/IEC 17025	L2468	08-09-21
Arizona	State	AZ0708	08-11-20
Arkansas DEQ	State	19-042-0	06-17-20
Arkansas DEQ	State Program	88-0691	06-17-20
California	State	2897	01-31-20
Colorado	State	CA0004	08-31-20
Connecticut	State	PH-0691	06-30-21
Florida	NELAP	E87570	06-30-20
Hawaii	State	<cert No.>	01-29-20
Illinois	NELAP	200060	03-17-20
Kansas	NELAP	E-10375	10-31-19
Louisiana	NELAP	01944	06-30-20
Maine	State	2018009	04-14-20
Maine	State Program	CA0004	04-14-20
Michigan	State	9947	01-29-20
Michigan	State Program	9947	01-31-20
Nevada	State	CA000442020-1	07-31-20
Nevada	State Program	CA00044	07-31-20
New Hampshire	NELAP	2997	04-20-20
New Hampshire	NELAP	2997	04-18-20
New Jersey	NELAP	CA005	06-30-20
New York	NELAP	11666	04-01-20
Oregon	NELAP	4040	01-29-20
Pennsylvania	NELAP	68-01272	03-31-20
Texas	NELAP	T104704399-19-13	05-31-20
US Fish & Wildlife	US Federal Programs	58448	07-31-20
USDA	US Federal Programs	P330-18-00239	07-31-21
USEPA UCMR	Federal	CA00044	12-31-20
Utah	NELAP	CA00044	02-29-20
Vermont	State	VT-4040	04-16-20
Virginia	NELAP	460278	03-14-20
Washington	State	C581	05-05-20
West Virginia (DW)	State	9930C	12-31-19
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Buffalo

Method Summary

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

Job ID: 480-159923-1

Method	Method Description	Protocol	Laboratory
8270D SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	TAL BUF
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3535	Solid-Phase Extraction (SPE)	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

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

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

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

Job ID: 480-159923-1

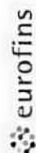
Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-159923-1	MW-2B	Water	09/27/19 09:45	09/27/19 17:30	
480-159923-2	MW-6A	Water	09/27/19 08:25	09/27/19 17:30	
480-159923-3	MW-6B	Water	09/27/19 08:10	09/27/19 17:30	
480-159923-4	OW-27A	Water	09/27/19 16:30	09/27/19 17:30	
480-159923-5	OW-27B	Water	09/27/19 15:45	09/27/19 17:30	
480-159923-6	OW-15A	Water	09/27/19 11:05	09/27/19 17:30	
480-159923-7	OW-2B	Water	09/27/19 09:05	09/27/19 17:30	
480-159923-8	OW-18A	Water	09/27/19 09:20	09/27/19 17:30	
480-159923-9	OW-1B	Water	09/27/19 14:05	09/27/19 17:30	
480-159923-10	OW-127B	Water	09/27/19 16:45	09/27/19 17:30	

Chain of Custody Record

Client Information Client Contact: Mr. Mike Plumb Company: TRC Environmental Corporation Address: Wannalancit Mills 650 Suffolk Street City: Lowell State, Zip: MA, 01854 Phone: 978-656(Tel) Email: mplumb@trccompanies.com Project Name: Solvent Chemical-Emerging Contaminants Site:		Sampler: C. Rodzinski Phone: 978-758-4902 Lab PM: Fischer, Brian J E-Mail: brian.fischer@testamerica.com Carmer Tracking No(s): Hand Deliver COC No: 480-135747-30563.1 Page: Page 1 of 2 Job #:										
Due Date Requested: TAT Requested (days): Standard PO #: 143490 WO #: SEQ#1 Project #: 48002700 SSOW#:		Analysis Requested #537 PFC, IDA - PFAS, Standard List (21 Analytes) Perform MS/MSD (Yes or No) Field Filtered Sample (Yes or No) 8270D_SIM_MS_ID - SIM List 480-159923 Chain of Custody  J - DI Water V - MCAA K - EDTA L - EDA Z - other (specify) Other: hydrate										
Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Air, Soil, Other)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC, IDA - PFAS, Standard List (21 Analytes)	8270D_SIM_MS_ID - SIM List	Total Number of Containers	Special Instructions/Note:	
MW-2A No Sample	9/27/19	0945	G	Water		N	N	N	N	3	No Sample	
MW-2B	9/27/19	0945	G	Water		N	N	N	N	4		
MW-6A	9/27/19	0835	G	Water		N	N	N	N	4		
MW-6B	9/27/19	0810	G	Water		N	N	N	N	4		
OW-27A	9/26/19	1630	G	Water		N	N	N	N	4		
OW-27B	9/26/19	1545	G	Water		N	N	N	N	4		
OW-15A OW-15A	9/27/19	1105	G	Water		N	N	N	N	13	MS/MSD	
OW-2B	9/27/19	0905	G	Water		N	N	N	N	3	3-250-1	
OW-18A	9/27/19	0920	G	Water		N	N	N	N	2	3-250-1	
OW-18B OW-18B	9/27/19	1405	G	Water		N	N	N	N	4	3-250-1	
OW-127B	9/26/19	1645	G	Water		N	N	N	N	4		
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify) NYSDEC File Category B data deliverables Empty Kit Relinquished by:												
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months Special Instructions/OC Requirements: PFAS MDL - 2019 / 14-Dioxin MDL - 0.28 ug/lr Method of Shipment:												
Relinquished by:		Date/Time:	Company:		Date/Time:		Company:		Date/Time:		Company:	
Relinquished by:		Date/Time:	Company:		Date/Time:		Company:		Date/Time:		Company:	
Relinquished by:		Date/Time:	Company:		Date/Time:		Company:		Date/Time:		Company:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		3.4 26 3.0 1.9 #1 ICE		(978) 970-5600		Ver: 01/16/2019		

Please confirm methodology/analyte list/MDL with Mike Plumb (978) 970-5600

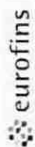
Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Fischer, Brian J		Carrier Tracking No(s): 480-51977.1		COC No: 480-51977.1	
Client Contact: Shipping/Receiving		Phone:		State of Origin: New York		Page: Page 1 of 2	
Company: TestAmerica Laboratories, Inc.		E-Mail: brian.fischer@testamericainc.com		Job #: 480-159923-1		Job #: 480-159923-1	
Address: 880 Riverside Parkway,		Accreditations Required (See note): NELAP - New York		Preservation Codes: A - HCL M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Y - EDA Z - other (specify)		Other:	
City: West Sacramento		Due Date Requested: 10/9/2019		Analysis Requested		Total Number of containers	
State Zip: CA, 95605		TAT Requested (days):					
Phone: 916-373-5600(Tel) 916-372-1059(Fax)		PO #:					
Email:		WO #:					
Project Name: Solvent Chemical Semi-annual Monitoring		Project #: 48002700					
Site:		SSOW#:					
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastefill, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analytes (PFC, IDA/353, PFC PFAS, Standard List (21))
MW-2B (480-159923-1)	9/27/19	09:45 Eastern	Water	Water	X		
MW-6A (480-159923-2)	9/27/19	08:25 Eastern	Water	Water	X		
MW-6B (480-159923-3)	9/27/19	08:10 Eastern	Water	Water	X		
OW-27A (480-159923-4)	9/27/19	16:30 Eastern	Water	Water	X		
OW-27B (480-159923-5)	9/27/19	15:45 Eastern	Water	Water	X		
OW-15A (480-159923-6)	9/27/19	11:05 Eastern	Water	Water	X		
OW-15A (480-159923-6MS)	9/27/19	11:05 Eastern	MS	Water	X		
OW-15A (480-159923-6MSD)	9/27/19	11:05 Eastern	MSD	Water	X		
OW-2B (480-159923-7)	9/27/19	09:05 Eastern	Water	Water	X		
Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.							
Possible Hazard Identification							
Unconfirmed							
Deliverable Requested: I, II, III, IV, Other (specify)							
Primary Deliverable Rank: 2							
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months							
Special Instructions/QC Requirements:							
Empty Kit Relinquished by:							
Date/Time:		Date:		Time:		Method of Shipment:	
Relinquished by: <i>Wm New</i>		Date/Time: 10/04/19		Company: <i>ETA - SAC</i>		Company:	
Relinquished by:		Date/Time:		Company:		Company:	
Relinquished by:		Date/Time:		Company:		Company:	

Custody seal No: 993464 intact PK 10/04/19
Time ob: 0.2°C Corr: 0.3°C

Chain of Custody Record



Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving Company: TestAmerica Laboratories, Inc. Address: 880 Riverside Parkway, West Sacramento, CA 95605 Phone: 916-373-5600(Tel) 916-372-1059(Fax) Email: Project Name: Solvent Chemical Semi-annual Monitoring Site:		Sampler: Fischer, Brian J Lab PM: E-Mail: brian.fischer@testamericainc.com Phone: brian.fischer@testamericainc.com State of Origin: New York Carrier Tracking No(s): COC No: 480-51977.2 Page: Page 2 of 2 Job #: 480-159923-1 Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Anchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4.5, Z - other (specify) Other:
Analysis Requested Due Date Requested: 10/9/2019 TAT Requested (days): PO #: WO #: Project #: 48002700 SSOW#:		Total Number of Containers: 1 Special Instructions/Note:
Sample Identification - Client ID (Lab ID) OW-18A (480-159923-8) OW-1B (480-159923-9) OW-127B (480-159923-10)	Sample Date: 9/27/19 Sample Time: 08:20 Eastern 14:05 Eastern 16:45 Eastern	Matrix (W=water, S=solid, O=oil, BT=tissue, A=air) Sample Type (C=comp, G=grab) Preservation Code: Field Filtered Sample (Yes or No) PFC IDA/355_PFC PFA, Standard List (21) Analytes:
Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I		
Possible Hazard Identification Unconfirmed Deliverable Requested I, II, III, IV, Other (specify)		
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months		
Special Instructions/QC Requirements:		
Empty Kit Relinquished by:		
Relinquished by:	Date: 10/03/19	Company: TAA
Relinquished by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:
Custody Seal Intact: ☒ Yes ☐ No Custody Seal No.: 993464 Cooler Temperature(s) °C and Other Remarks: 06:0.2°C Corr: 0.3°C		



Environment Testing
TestAmerica

Sacramento
Sample Receiving Notes

Place - Test Sample Label Here

Tracking #: 427607213276

SO / PO / FO / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Job: _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Notes: _____

Therm. ID: AK5 Corr. Factor: +0.1

Ice ☒ Wet ☒ Gel _____ Other _____

Cooler Custody Seal: 993465

Sample Custody Seal: —

Cooler ID: 2042

Temp Observed: -0.1 Corrected: 0.0

From: Temp Blank ☐ Sample ☒

NCM Filed: Yes ☐ No ☐

Perchlorate has headspace?
(Methods 314, 331, 6850)

Yes No NA

☐ ☐ ☒

Alkalinity has no headspace?

☐ ☐ ☒

CoC is complete w/o discrepancies?

☒ ☐ ☐

Samples received within holding time?

☒ ☐ ☐

Sample preservatives verified?

☐ ☐ ☒

Cooler compromised/tampered with?

☐ ☒ ☐

Samples compromised/tampered with?

☐ ☒ ☐

Samples w/o discrepancies?

☒ ☐ ☐

Sample containers have legible labels?

☒ ☐ ☐

Containers are not broken or leaking?

☒ ☐ ☐

Sample date/times are provided.

☒ ☐ ☐

Appropriate containers are used?

☒ ☐ ☐

Sample bottles are completely filled?

☒ ☐ ☐

Zero headspace?*

☐ ☐ ☒

Multiphasic samples are not present?

☒ ☐ ☐

Sample temp OK?

☒ ☐ ☐

Sample out of temp?

☐ ☒ ☐

Initials: PK Date: 10/04/19

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 480-159923-1

Login Number: 159923

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Kolb, Chris M

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.	N/A	
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.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 480-159923-1

Login Number: 159923

List Number: 2

Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

List Creation: 10/04/19 05:24 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	993464
Sample custody seals, if present, are intact.	N/A	
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	obs 0.2C corr 0.3C
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?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

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

Laboratory Job ID: 480-160089-1

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:

10/30/2019 8:05:09 PM

Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

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

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

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

Job ID: 480-160089-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.

LCMS

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

Case Narrative

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

Job ID: 480-160089-1

Job ID: 480-160089-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-160089-1

Comments

No additional comments.

Receipt

The sample was received on 10/1/2019 3:05 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

GC/MS Semi VOA

Method 8270D SIM ID: The breakdown of 4,4'-DDT in the tuning evaluation exceeded 20%. Breakdown is not a criteria of the method but rather an internal check performed by the laboratory to evaluate the peak shape of 1,4-Dioxane and 1,4-Dioxane-d8. No adverse performance was observed and QC recoveries were in control. The data have been reported. (DFTPP 480-496016/2).

Method 8270D SIM ID: The following sample was diluted due to the nature of the sample matrix: MW-2A (480-160089-1). Elevated reporting limits (RLs) are provided.

Method 8270D SIM ID: The 1,4-Dioxane result reported for samples (LCS 480-495795/2-A) and (LCSD 480-495795/3-A) have an E flag qualifier indicating the results are over the calibration range on the raw data. The actual amounts are within the calibration range; however, the E flag is generated based upon the bias corrected concentration. The LIMS system calculates a bias correction based on the recovery of the 1,4-Dioxane-d8 isotope.

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

LCMS

Method 537 (modified): Due to a shortage in the marketplace for 13C3-PFBS, the target analyte PFBS and/or Perfluoropentanesulfonic acid (PFPeS) could not be quantitated against 13C3-PFBS (its labeled variant) as listed in the SOP. PFBS and Perfluoropentanesulfonic acid (PFPeS) was quantitated versus 18O2-PFHxS instead. (ICV 320-328725/11)

Method 537 (modified): The concentration of Perfluorooctanesulfonic acid (PFOS) associated with the following sample exceeded the instrument calibration range: MW-2A (480-160089-1). These analytes have been qualified; however, the peaks did not saturate the instrument detector. Historical data indicate that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported above the calibration range.

Method 537 (modified): Due to a shortage in the marketplace for 13C3-PFBS, the target analyte PFBS and/or Perfluoropentanesulfonic acid (PFPeS) could not be quantitated against 13C3-PFBS (its labeled variant) as listed in the SOP. PFBS and Perfluoropentanesulfonic acid (PFPeS) was quantitated versus 18O2-PFHxS instead.

Method 537 (modified): Results for sample MW-2A (480-160089-1) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits.

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

Organic Prep

Method 3535: The following samples contain particulates at the bottom of the bottle prior to extraction: MW-2A (480-160089-1).

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: 480-160089-1

Client Sample ID: MW-2A

Lab Sample ID: 480-160089-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	17		1.8	0.32	ng/L	1			537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	18		1.8	0.45	ng/L	1			537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	39		1.8	0.53	ng/L	1			537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	15		1.8	0.23	ng/L	1			537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	58		1.8	0.77	ng/L	1			537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.76	J	1.8	0.25	ng/L	1			537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	18		1.8	0.18	ng/L	1			537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	140	B	1.8	0.15	ng/L	1			537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	6.0		1.8	0.17	ng/L	1			537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	0.62	J	1.8	0.32	ng/L	1			537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - DL	370	B	3.6	0.98	ng/L	2			537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-160089-1

Client Sample ID: MW-2A

Date Collected: 09/30/19 08:05

Date Received: 10/01/19 15:05

Lab Sample ID: 480-160089-1

Matrix: Water

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.0	0.50	ug/L		10/03/19 15:01	10/05/19 12:06	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	22		15 - 110				10/03/19 15:01	10/05/19 12:06	5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	17		1.8	0.32	ng/L		10/07/19 06:11	10/09/19 07:34	1
Perfluoropentanoic acid (PFPeA)	18		1.8	0.45	ng/L		10/07/19 06:11	10/09/19 07:34	1
Perfluorohexanoic acid (PFHxA)	39		1.8	0.53	ng/L		10/07/19 06:11	10/09/19 07:34	1
Perfluoroheptanoic acid (PFHpA)	15		1.8	0.23	ng/L		10/07/19 06:11	10/09/19 07:34	1
Perfluorooctanoic acid (PFOA)	58		1.8	0.77	ng/L		10/07/19 06:11	10/09/19 07:34	1
Perfluorononanoic acid (PFNA)	0.76 J		1.8	0.25	ng/L		10/07/19 06:11	10/09/19 07:34	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.28	ng/L		10/07/19 06:11	10/09/19 07:34	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	1.0	ng/L		10/07/19 06:11	10/09/19 07:34	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.50	ng/L		10/07/19 06:11	10/09/19 07:34	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	1.2	ng/L		10/07/19 06:11	10/09/19 07:34	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.26	ng/L		10/07/19 06:11	10/09/19 07:34	1
Perfluorobutanesulfonic acid (PFBS)	18		1.8	0.18	ng/L		10/07/19 06:11	10/09/19 07:34	1
Perfluorohexanesulfonic acid (PFHxS)	140 B		1.8	0.15	ng/L		10/07/19 06:11	10/09/19 07:34	1
Perfluoroheptanesulfonic Acid (PFHpS)	6.0		1.8	0.17	ng/L		10/07/19 06:11	10/09/19 07:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.29	ng/L		10/07/19 06:11	10/09/19 07:34	1
Perfluorooctanesulfonamide (FOSA)	0.62 J		1.8	0.32	ng/L		10/07/19 06:11	10/09/19 07:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18	2.8	ng/L		10/07/19 06:11	10/09/19 07:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18	1.7	ng/L		10/07/19 06:11	10/09/19 07:34	1
6:2 FTS	ND		18	1.8	ng/L		10/07/19 06:11	10/09/19 07:34	1
8:2 FTS	ND		18	1.8	ng/L		10/07/19 06:11	10/09/19 07:34	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	62		25 - 150				10/07/19 06:11	10/09/19 07:34	1
13C5 PFPeA	76		25 - 150				10/07/19 06:11	10/09/19 07:34	1
13C2 PFHxA	96		25 - 150				10/07/19 06:11	10/09/19 07:34	1
13C4 PFHpA	104		25 - 150				10/07/19 06:11	10/09/19 07:34	1
13C4 PFOA	109		25 - 150				10/07/19 06:11	10/09/19 07:34	1
13C5 PFNA	112		25 - 150				10/07/19 06:11	10/09/19 07:34	1
13C2 PFDA	120		25 - 150				10/07/19 06:11	10/09/19 07:34	1
13C2 PFUnA	110		25 - 150				10/07/19 06:11	10/09/19 07:34	1
13C2 PFDoA	114		25 - 150				10/07/19 06:11	10/09/19 07:34	1
13C2 PFTeA	102		25 - 150				10/07/19 06:11	10/09/19 07:34	1
18O2 PFHxS	114		25 - 150				10/07/19 06:11	10/09/19 07:34	1
13C4 PFOS	110		25 - 150				10/07/19 06:11	10/09/19 07:34	1
13C8 FOSA	121		25 - 150				10/07/19 06:11	10/09/19 07:34	1
d3-NMeFOSAA	101		25 - 150				10/07/19 06:11	10/09/19 07:34	1
d5-NEtFOSAA	112		25 - 150				10/07/19 06:11	10/09/19 07:34	1
M2-6:2 FTS	114		25 - 150				10/07/19 06:11	10/09/19 07:34	1
M2-8:2 FTS	98		25 - 150				10/07/19 06:11	10/09/19 07:34	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-160089-1

Client Sample ID: MW-2A

Date Collected: 09/30/19 08:05

Date Received: 10/01/19 15:05

Lab Sample ID: 480-160089-1

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	370	B	3.6	0.98	ng/L	—	10/07/19 06:11	10/28/19 15:06	2
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
¹³ C4 PFOS	121		25 - 150				10/07/19 06:11	10/28/19 15:06	2

Isotope Dilution Summary

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

Job ID: 480-160089-1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DXE (15-110)
480-160089-1	MW-2A	22
LCS 480-495795/2-A	Lab Control Sample	31
LCSD 480-495795/3-A	Lab Control Sample Dup	31
MB 480-495795/1-A	Method Blank	31

Surrogate Legend

DXE = 1,4-Dioxane-d8

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	PFHpA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
480-160089-1	MW-2A	62	76	96	104	109	112	120	110
480-160089-1 - DL	MW-2A								
LCS 320-328854/2-A	Lab Control Sample	106	107	105	107	105	103	104	98
MB 320-328854/1-A	Method Blank	109	107	103	108	108	107	113	108

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDaA (25-150)	PFTDA (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (25-150)	-NMeFOS (25-150)	-NEtFOS (25-150)	M262FTS (25-150)
480-160089-1	MW-2A	114	102	114	110	121	101	112	114
480-160089-1 - DL	MW-2A				121				
LCS 320-328854/2-A	Lab Control Sample	104	107	112	98	106	103	105	80
MB 320-328854/1-A	Method Blank	104	104	117	106	105	109	115	79

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M262FTS (25-150)
480-160089-1	MW-2A	98
480-160089-1 - DL	MW-2A	
LCS 320-328854/2-A	Lab Control Sample	79
MB 320-328854/1-A	Method Blank	93

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
PFHpA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDaA = 13C2 PFDaA
PFTDA = 13C2 PFTeDA
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3-NMeFOSAA = d3-NMeFOSAA
d5-NEtFOSAA = d5-NEtFOSAA
M262FTS = M2-6:2 FTS

Eurofins TestAmerica, Buffalo

Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: Solvent Chemical Semi-annual Monitoring
M282FTS = M2-8:2 FTS

Job ID: 480-160089-1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

QC Sample Results

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

Job ID: 480-160089-1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-495795/1-A

Matrix: Water

Analysis Batch: 496016

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 495795

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		10/03/19 15:01	10/05/19 08:12	1
Isotope Dilution	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	31		15 - 110				10/03/19 15:01	10/05/19 08:12	1

Lab Sample ID: LCS 480-495795/2-A

Matrix: Water

Analysis Batch: 496016

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 495795

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1.00	1.21	E	ug/L		121	40 - 140
Isotope Dilution	%Recovery	LCS Qualifier	Limits				
1,4-Dioxane-d8	31		15 - 110				

Lab Sample ID: LCSD 480-495795/3-A

Matrix: Water

Analysis Batch: 496016

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 495795

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.00	1.22	E	ug/L		122	40 - 140	1	20
Isotope Dilution	%Recovery	LCSD Qualifier	Limits						
1,4-Dioxane-d8	31		15 - 110						

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-328854/1-A

Matrix: Water

Analysis Batch: 329453

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 328854

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		2.0	0.35	ng/L		10/07/19 06:11	10/09/19 05:30	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49	ng/L		10/07/19 06:11	10/09/19 05:30	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58	ng/L		10/07/19 06:11	10/09/19 05:30	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.25	ng/L		10/07/19 06:11	10/09/19 05:30	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.85	ng/L		10/07/19 06:11	10/09/19 05:30	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.27	ng/L		10/07/19 06:11	10/09/19 05:30	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		10/07/19 06:11	10/09/19 05:30	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1	ng/L		10/07/19 06:11	10/09/19 05:30	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		10/07/19 06:11	10/09/19 05:30	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3	ng/L		10/07/19 06:11	10/09/19 05:30	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29	ng/L		10/07/19 06:11	10/09/19 05:30	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20	ng/L		10/07/19 06:11	10/09/19 05:30	1
Perfluorohexanesulfonic acid (PFHxS)	0.326	J	2.0	0.17	ng/L		10/07/19 06:11	10/09/19 05:30	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19	ng/L		10/07/19 06:11	10/09/19 05:30	1
Perfluorooctanesulfonic acid (PFOS)	0.560	J	2.0	0.54	ng/L		10/07/19 06:11	10/09/19 05:30	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32	ng/L		10/07/19 06:11	10/09/19 05:30	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.35	ng/L		10/07/19 06:11	10/09/19 05:30	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-160089-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-328854/1-A

Matrix: Water

Analysis Batch: 329453

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 328854

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1	ng/L		10/07/19 06:11	10/09/19 05:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9	ng/L		10/07/19 06:11	10/09/19 05:30	1
6:2 FTS	ND		20	2.0	ng/L		10/07/19 06:11	10/09/19 05:30	1
8:2 FTS	ND		20	2.0	ng/L		10/07/19 06:11	10/09/19 05:30	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	109		25 - 150				10/07/19 06:11	10/09/19 05:30	1
13C5 PFPeA	107		25 - 150				10/07/19 06:11	10/09/19 05:30	1
13C2 PFHxA	103		25 - 150				10/07/19 06:11	10/09/19 05:30	1
13C4 PFHpA	108		25 - 150				10/07/19 06:11	10/09/19 05:30	1
13C4 PFOA	108		25 - 150				10/07/19 06:11	10/09/19 05:30	1
13C5 PFNA	107		25 - 150				10/07/19 06:11	10/09/19 05:30	1
13C2 PFDA	113		25 - 150				10/07/19 06:11	10/09/19 05:30	1
13C2 PFUnA	108		25 - 150				10/07/19 06:11	10/09/19 05:30	1
13C2 PFDoA	104		25 - 150				10/07/19 06:11	10/09/19 05:30	1
13C2 PFTeDA	104		25 - 150				10/07/19 06:11	10/09/19 05:30	1
18O2 PFHxS	117		25 - 150				10/07/19 06:11	10/09/19 05:30	1
13C4 PFOS	106		25 - 150				10/07/19 06:11	10/09/19 05:30	1
13C8 FOSA	105		25 - 150				10/07/19 06:11	10/09/19 05:30	1
d3-NMeFOSAA	109		25 - 150				10/07/19 06:11	10/09/19 05:30	1
d5-NEtFOSAA	115		25 - 150				10/07/19 06:11	10/09/19 05:30	1
M2-6:2 FTS	79		25 - 150				10/07/19 06:11	10/09/19 05:30	1
M2-8:2 FTS	93		25 - 150				10/07/19 06:11	10/09/19 05:30	1

Lab Sample ID: LCS 320-328854/2-A

Matrix: Water

Analysis Batch: 329453

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 328854

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Perfluorobutanoic acid (PFBA)	40.0	42.5		ng/L		106	70 - 130
Perfluoropentanoic acid (PFPeA)	40.0	40.1		ng/L		100	66 - 126
Perfluorohexanoic acid (PFHxA)	40.0	43.0		ng/L		108	66 - 126
Perfluoroheptanoic acid (PFHpA)	40.0	42.0		ng/L		105	66 - 126
Perfluorooctanoic acid (PFOA)	40.0	40.8		ng/L		102	64 - 124
Perfluorononanoic acid (PFNA)	40.0	43.2		ng/L		108	68 - 128
Perfluorodecanoic acid (PFDA)	40.0	42.5		ng/L		106	69 - 129
Perfluoroundecanoic acid (PFUnA)	40.0	43.6		ng/L		109	60 - 120
Perfluorododecanoic acid (PFDoA)	40.0	41.7		ng/L		104	71 - 131
Perfluorotridecanoic acid (PFTriA)	40.0	43.9		ng/L		110	72 - 132
Perfluorotetradecanoic acid (PFTeA)	40.0	41.1		ng/L		103	68 - 128
Perfluorobutanesulfonic acid (PFBS)	35.4	34.4		ng/L		97	73 - 133
Perfluorohexanesulfonic acid (PFHxS)	36.4	32.5		ng/L		89	63 - 123

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-160089-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-328854/2-A

Matrix: Water

Analysis Batch: 329453

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 328854

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	40.9		ng/L		107	68 - 128
Perfluorooctanesulfonic acid (PFOS)	37.1	37.9		ng/L		102	67 - 127
Perfluorodecanesulfonic acid (PFDS)	38.6	40.7		ng/L		106	68 - 128
Perfluorooctanesulfonamide (FOSA)	40.0	43.1		ng/L		108	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	40.9		ng/L		102	67 - 127
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	40.3		ng/L		101	65 - 125
6:2 FTS	37.9	38.1		ng/L		101	66 - 126
8:2 FTS	38.3	41.5		ng/L		108	67 - 127

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	106		25 - 150
13C5 PFPeA	107		25 - 150
13C2 PFHxA	105		25 - 150
13C4 PFHpA	107		25 - 150
13C4 PFOA	105		25 - 150
13C5 PFNA	103		25 - 150
13C2 PFDA	104		25 - 150
13C2 PFUnA	98		25 - 150
13C2 PFDoA	104		25 - 150
13C2 PFTeDA	107		25 - 150
18O2 PFHxS	112		25 - 150
13C4 PFOS	98		25 - 150
13C8 FOSA	106		25 - 150
d3-NMeFOSAA	103		25 - 150
d5-NEtFOSAA	105		25 - 150
M2-6:2 FTS	80		25 - 150
M2-8:2 FTS	79		25 - 150

QC Association Summary

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

Job ID: 480-160089-1

GC/MS Semi VOA

Prep Batch: 495795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-160089-1	MW-2A	Total/NA	Water	3510C	
MB 480-495795/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-495795/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-495795/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 496016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-160089-1	MW-2A	Total/NA	Water	8270D SIM ID	495795
MB 480-495795/1-A	Method Blank	Total/NA	Water	8270D SIM ID	495795
LCS 480-495795/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	495795
LCSD 480-495795/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM ID	495795

LCMS

Prep Batch: 328854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-160089-1 - DL	MW-2A	Total/NA	Water	3535	
480-160089-1	MW-2A	Total/NA	Water	3535	
MB 320-328854/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-328854/2-A	Lab Control Sample	Total/NA	Water	3535	

Analysis Batch: 329453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-160089-1	MW-2A	Total/NA	Water	537 (modified)	328854
MB 320-328854/1-A	Method Blank	Total/NA	Water	537 (modified)	328854
LCS 320-328854/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	328854

Analysis Batch: 334095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-160089-1 - DL	MW-2A	Total/NA	Water	537 (modified)	328854

Lab Chronicle

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

Job ID: 480-160089-1

Client Sample ID: MW-2A

Date Collected: 09/30/19 08:05

Date Received: 10/01/19 15:05

Lab Sample ID: 480-160089-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			495795	10/03/19 15:01	ATG	TAL BUF
Total/NA	Analysis	8270D SIM ID		5	496016	10/05/19 12:06	RJS	TAL BUF
Total/NA	Prep	3535	DL		328854	10/07/19 06:11	MTN	TAL SAC
Total/NA	Analysis	537 (modified)	DL	2	334095	10/28/19 15:06	GMK	TAL SAC
Total/NA	Prep	3535			328854	10/07/19 06:11	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1	329453	10/09/19 07:34	P1N	TAL SAC

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

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

Job ID: 480-160089-1

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	01-20-21
Alaska (UST)	State Program	17-020	01-20-21
ANAB	Dept. of Defense ELAP	L2468	01-20-21
ANAB	Dept. of Energy	L2468.01	01-20-21
ANAB	ISO/IEC 17025	L2468	08-09-21
ANAB	ISO/IEC 17025	L2468	01-20-21
Arizona	State	AZ0708	08-11-20
Arkansas DEQ	State	19-042-0	06-17-20
California	State	2897	01-31-20
Colorado	State	CA0004	08-31-20
Connecticut	State	PH-0691	06-30-21
Florida	NELAP	E87570	06-30-20
Georgia	State	4040	01-29-20
Hawaii	State	<cert No.>	01-29-20
Illinois	NELAP	200060	03-17-20
Kansas	NELAP	E-10375	10-31-19
Louisiana	NELAP	01944	06-30-20
Maine	State	2018009	04-14-20
Michigan	State	9947	01-29-20
Michigan	State Program	9947	01-31-20
Nevada	State	CA000442020-1	07-31-20
New Hampshire	NELAP	2997	04-18-20
New Jersey	NELAP	CA005	06-30-20
New York	NELAP	11666	04-01-20
Oregon	NELAP	4040	01-29-20
Pennsylvania	NELAP	68-01272	03-31-20
Texas	NELAP	T104704399-19-13	05-31-20
US Fish & Wildlife	US Federal Programs	58448	07-31-20
USDA	US Federal Programs	P330-18-00239	07-31-21
USEPA UCMR	Federal	CA00044	12-31-20
Utah	NELAP	CA00044	02-29-20
Utah	NELAP	CA000442019-01	02-29-20
Vermont	State	VT-4040	04-16-20
Virginia	NELAP	460278	03-14-20
Washington	State	C581	05-05-20
West Virginia (DW)	State	9930C	12-31-19
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Buffalo

Method Summary

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

Job ID: 480-160089-1

Method	Method Description	Protocol	Laboratory
8270D SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	TAL BUF
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3535	Solid-Phase Extraction (SPE)	SW846	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

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

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

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

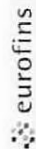
Job ID: 480-160089-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-160089-1	MW-2A	Water	09/30/19 08:05	10/01/19 15:05	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Ver: 01/16/2019

Chain of Custody Record



Client Information (Sub Contract Lab) Company: TestAmerica Laboratories, Inc. Address: 880 Riverside Parkway, West Sacramento, CA, 95605 Phone: 916-373-5600(Tel) 916-372-1059(Fax) Email: Project Name: Solvent Chemical Semi-annual Monitoring Site:		Sampler: Lab PM: Fischer, Brian J Phone: E-Mail: brian.fischer@testamericainc.com Accreditations Required (See note): NELAP - New York	Carrier Tracking No(s): 480-52068.1 State of Origin: New York Page: Page 1 of 1 Job #: 480-160089-1
Due Date Requested: 10/14/2019 TAT Requested (days):		Analysis Requested A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Sample Identification - Client ID (Lab ID) MW-2A (480-160089-1)		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) PFC, IDA/3535_PFC PFAS, Standard List (21)	
Sample Date 9/30/19	Sample Time 08:05 Eastern	Sample Type (C=Comp, G=grab) Preservation Code:	Matrix (Water, Solid, On-surface, etc.) Water
Special Instructions/Note:		Total Number of Containers 1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification Unconfirmed Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months	
Empty Kit Relinquished by Relinquished by: [Signature] Relinquished by: [Signature] Relinquished by: [Signature]	Date: Date/Time: 10/19/19 17:00 Date/Time: 10/19/19 17:00 Date/Time: 10/19/19 17:00	Method of Shipment: Received by: [Signature] Received by: [Signature] Received by: [Signature]	Date/Time: 10/04/19 Date/Time: 10/04/19 Date/Time: 10/04/19
Custody Seal Intact ☒ Yes ☐ No		Cooler Temperature(s) °C and Other Remarks 06: 0.2°C corr: 0.3°C	



Environment Testing
TestAmerica

Sacramento
Sample Receiving Notes



480-160089 Field Sheet

Tracking #: 42 76 0721 3265

SO (PO) / FO / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other

Job:

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Notes:

Therm. ID: AK5 Corr. Factor: 10.1

Ice ☒ Wet ☒ Gel ☐ Other ☐

Cooler Custody Seal: 993464

Sample Custody Seal: —

Cooler ID: —

Temp Observed: 0.2 Corrected: 0.3

From: Temp Blank ☐ Sample ☒

NCM Filed: Yes ☐ No ☐

Yes No NA

Perchlorate has headspace?

(Methods 314, 331, 6850)

☐ ☐ ☒

Alkalinity has no headspace?

☐ ☐ ☒

CoC is complete w/o discrepancies?

☒ ☐ ☐

Samples received within holding time?

☒ ☐ ☐

Sample preservatives verified?

☐ ☐ ☒

Cooler compromised/tampered with?

☐ ☒ ☐

Samples compromised/tampered with?

☐ ☒ ☐

Samples w/o discrepancies?

☒ ☐ ☐

Sample containers have legible labels?

☒ ☐ ☐

Containers are not broken or leaking?

☒ ☐ ☐

Sample date/times are provided.

☒ ☐ ☐

Appropriate containers are used?

☒ ☐ ☐

Sample bottles are completely filled?

☒ ☐ ☐

Zero headspace?*

☐ ☐ ☒

Multiphasic samples are not present?

☒ ☐ ☐

Sample temp OK?

☒ ☐ ☐

Sample out of temp?

☐ ☒ ☐

Initials: PK Date: 10/04/19

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

W3-A



Environment Testing
TestAmerica

Sacramento
Sample Receiving Notes

Tracking #: 427607213276

SO / PO / FO / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Job: _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Notes: _____

Therm. ID: AK5 Corr. Factor: +0.1

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 993465

Sample Custody Seal: —

Cooler ID: 2 of 2

Temp Observed: -0.1 Corrected: 0.0

From: Temp Blank ☐ Sample ☒

NCM Filed: Yes ☐ No ☐

	Yes	No	NA
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
CoC is complete w/o discrepancies?	☒	☐	☐
Samples received within holding time?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Cooler compromised/tampered with?	☐	☒	☐
Samples compromised/tampered with?	☐	☒	☐
Samples w/o discrepancies?	☒	☐	☐
Sample containers have legible labels?	☒	☐	☐
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided.	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐
Sample temp OK?	☒	☐	☐
Sample out of temp?	☐	☒	☐

Initials: PK Date: 10/04/19

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 480-160089-1

Login Number: 160089

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

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.	N/A	
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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 480-160089-1

Login Number: 160089

List Number: 2

Creator: Guzman, Juan

List Source: Eurofins TestAmerica, Sacramento

List Creation: 10/04/19 06:31 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	993464
Sample custody seals, if present, are intact.	N/A	
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	OBS 0.2c CORR 0.3c
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?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	